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**ALBERTA GEOLOGICAL SURVEY - COAL GEOLOGY**

**COAL COMPILATION PROJECT - BLACKSTONE RIVER**

**NTS 83C/16**

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**Coal Compilation Project  
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## **Foreword**

The prime objective of the three year pilot Coal Compilation Project (CCP), initiated in the 1989/90 fiscal year (FY), is to provide coal resource maps to stimulate and support industry exploration programs, and assist government in matters of resource management. An essential feature of the program is the use of cost effective Geoscience Information System (GSIS) technology that allows the database and various thematic maps to be analyzed, updated, and displayed with complete flexibility at any scale.

Each map is intended to be a stand alone, unique product contributing to an overall synthesis of information. Maps generated are at a regional or reconnaissance level. Collection of new data is limited. Data compiled and evaluated are based on Alberta and Federal government sources and unpublished corporate reports and data from the coal industry. The coal industry has cooperated and supported the CCP by providing numerous unpublished corporate reports to the Alberta Geological Survey (AGS). The availability of these reports has been an essential component toward the success of this project.

To the end of the 1991/92 FY, the CCP encompasses fifteen 1: 50 000 scale mapsheets. Four mapsheets were completed during the 1989/90 FY, five during the 1990/91 FY and an additional six during the past 1991/92 FY.

Custom maps and database searches can be obtained by contacting the Minerals and Coal Geoscience Section, Alberta Geological Survey, Alberta Research Council. Raw coal exploration data<sup>1</sup> that are in the 'public' domain can, for a nominal fee, be viewed in microfiche form at the Records Centre of the Energy Resources Conservation Board (ERCB) in Calgary, Alberta. Arrangements can also be made to acquire copies of all/selected data.

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<sup>1</sup>Specifically, the geophysical logs (and other associated data) of coal exploration drillholes and, as available, analytical data relating to coal quality.

### **Acknowledgments**

The project is funded by the Alberta Department of Energy and the Alberta Research Council. The Alberta Geological Survey Coal Program Technical Advisory Committee provided valuable guidance for the project.

D. Goulet assisted with map digitization and data entry. Maps and text were reviewed and constructive comments were provided by Rick Marsh of the Coal Department of the ERCB.

Esso Resources Canada Limited, especially former staff members G. Ockert and D. Hallas, are thanked for making unpublished reports/data available to the Alberta Geological Survey.

## **Introduction**

### **Project Objective**

The stated objective of the pilot Coal Compilation Project (CCP), initiated in the 1989/90 FY, is to provide coal resource maps on a 1: 50 000 scale, which would

- stimulate and support industry exploration programs, and
- assist government in matters of resource management (eg, Integrated Resource Plans) in areas that may have good coal development potential, but have a lack of data or understanding.

### **Background**

The idea for a new coal geology map series spawned from a 1986 AGS questionnaire that was sent to the industry sector and government agencies in both Canada and the USA. Questionnaire responses identified the need to revamp the dated and/or complete lack of coal geology maps, particularly in the Mountains and Foothills regions of Alberta.

In 1989, the concept of merging resident computer mapping techniques with available Geographic Information System (GIS) technology, was successfully tested at the AGS during a pilot Geoscience Information System (GSIS) project. Current maps, costing much less than traditional mapping procedures, could be produced.

Commencing in the 1989/90 FY, the AGS' Coal Program Technical Advisory Committee (CPTAC) supported the concept, and a 3 year project with a sixteen map goal.

### **Process**

The use of GIS technology and the focus on data compilation with only minimal field work, in opposition to traditional field work and data gathering, was a totally new and untried concept. Within industry and government files, there were many more data than initially expected. The data had been collected over many years and at different levels of precision, integrity and for a wide variety of purposes. Little of the data, excepting that within AGS and ERCB databases, was in an electronic format; further, most data had not been collected in consideration of modern database specifications. Limited budgets, field time and difficult terrain minimized 'ground truthing'. Staff training was required during the first two years of the program. In the

early stages of the program, GIS platform limitations (hardware/software/connectivity) provided additional non-geological technical challenges.

Map areas were selected at the annual meeting of the CPTAC. As mapsheet areas were identified, data gathering commenced with a literature search and identification of possible data sources. AGS reports, internal files and electronic databases provide primary information. The ERCB is a major source of information for both coal and oil/gas data. Much of the fundamental geologic information used in the CCP maps comes from mapping by the Geological Survey of Canada. Information fundamental to the effectiveness of the CCP maps comes from industry reports and files. Every effort is made to acquire information from industry and to incorporate it into the CCP maps and reports in a way that does not compromise corporate confidentiality.

Due to tight schedules and limited budgets, time spent in the field, to gather new data and/or verify existing data, is minimal.

When available geologic information is combined with base map information<sup>2</sup> within a GIS, the generation of a product begins. In general both digital and hard copy data or graphic elements are entered into the GIS software product (ARC/INFO) where they are analyzed, displayed or plotted to hardcopy. Custom maps are produced from the various data and graphic elements in the information system.

The analytical power of GIS modelling is not extensively explored; the project's primary focus is on producing new maps as rapidly as possible. However, since the information is stored within a fully functional GIS, all modelling capabilities, beyond the scope of the Project, are available for the future. The GIS technology has been used, however, to produce a simple evaluation of the Coal Resource Development Potential of each mapsheet. The model, based on limited data, is a semiquantitative and subjective evaluation of the potential of coal development within a map area. The model is primarily based on geological criteria and does not take into account governmental restrictions and/or actual economic constraints on coal development.

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<sup>2</sup> Including digital map data from the Alberta Department of Forestry Lands and Wildlife.



### Results

To the end of the 1991/92 FY the CCP encompasses fifteen NTS mapsheets from the Alberta Mountains and Foothills regions (Figure 1). For each mapsheet, the CCP product includes a coal resource map (scale 1:50 000), thematic snapshot maps (scale 1:250 000) and accompanying text. The snapshot maps depict data relating to differing subject areas, including coal exploration data, coal dispositions, coal development potential and an index to specific reference documents.

In 1989/90, the CCP focussed on the Hinton - Grande Cache Corridor, located in west-central Alberta. Four contiguous NTS mapsheets were completed. From southeast to northwest, they are 83F/5, 83E/9, 83E/14 and 83E/15. During 1990/91, the second year of the project, focus was on the area north of Grande Cache (83L/2, 83L/3, 83L/7, and 83L/10). An

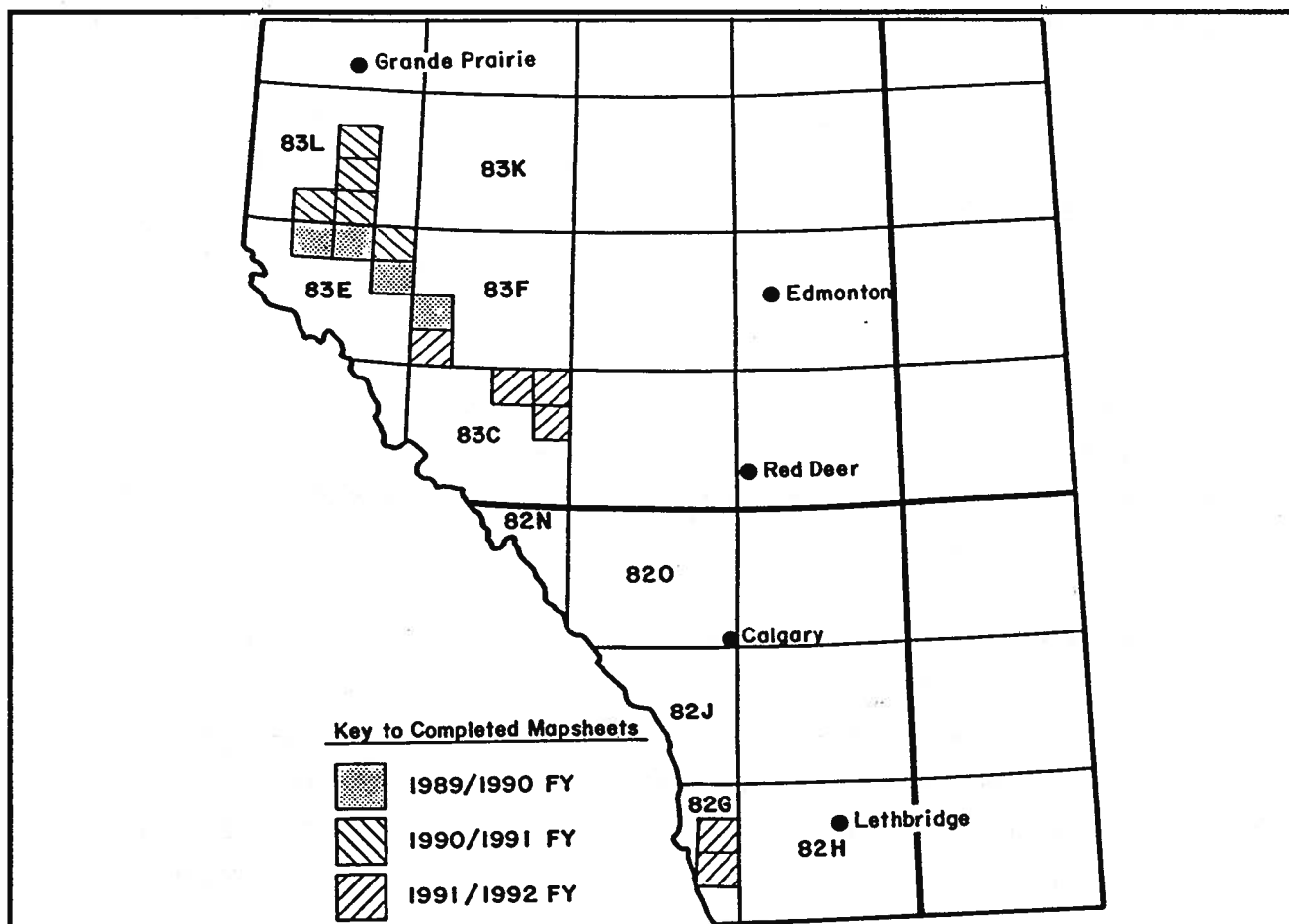


Figure 1 Coal Compilation Project (CCP) - Completed NTS Mapsheets

additional map, 83E/16, located east of Grande Cache, and in the Berland River area, was also completed. Six maps were completed during 1991 / 92; four maps (83F/4, 83C/9, 83C/15 and 83C/16) continue the coverage south from Hinton and two maps are in the Crowsnest Pass area (82G/8 and 82G/9).

Funding for the CCP will continue for the 1992/93 FY; an additional four mapsheets will be completed.

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### **Location and Access**

The study area of mapsheet NTS 83C/16 (Blackstone River) is located in west-central Alberta between Latitudes 52° 45' and 53° 00' North, and Longitudes 116° 00' and 116° 30' West (between Townships 43 and 46 inclusive, and Ranges 14 to 18 inclusive, West of the 5<sup>th</sup> Meridian).

There are no established settlements within the mapsheet area. Nordegg (83C/8) and Robb (83F/2) are the closest communities to the mapsheet area. Robb is located some 65 road-kilometres northwest of the mapsheet's west boundary; Nordegg is located some 45 road-kilometres southeast of the mapsheet's southern boundary.

All-weather access, to and within the area, is provided by the Forestry Trunk Road (Secondary Highway 940). The secondary highway passes through the southwest quarter of the mapsheet. Additional secondary access, in part, seasonal, is provided by a network of wellsite and logging roads, trails and seismic lines.

There is no existing rail service within the mapsheet area; the closest in-service rail line is located some 30 kilometres northwest of the west boundary of the mapsheet. The existing rail service (Canadian National Railways) terminates at the Coal Valley Mine operated by Luscar Ltd.; the rail line has the capacity to accommodate coal unit trains. Coal ports at

- o Vancouver are located some 1100 rail-kilometres west from the Coal Valley Mine
- o Thunder Bay are located some 2280 rail-kilometres east from the Coal Valley Mine.

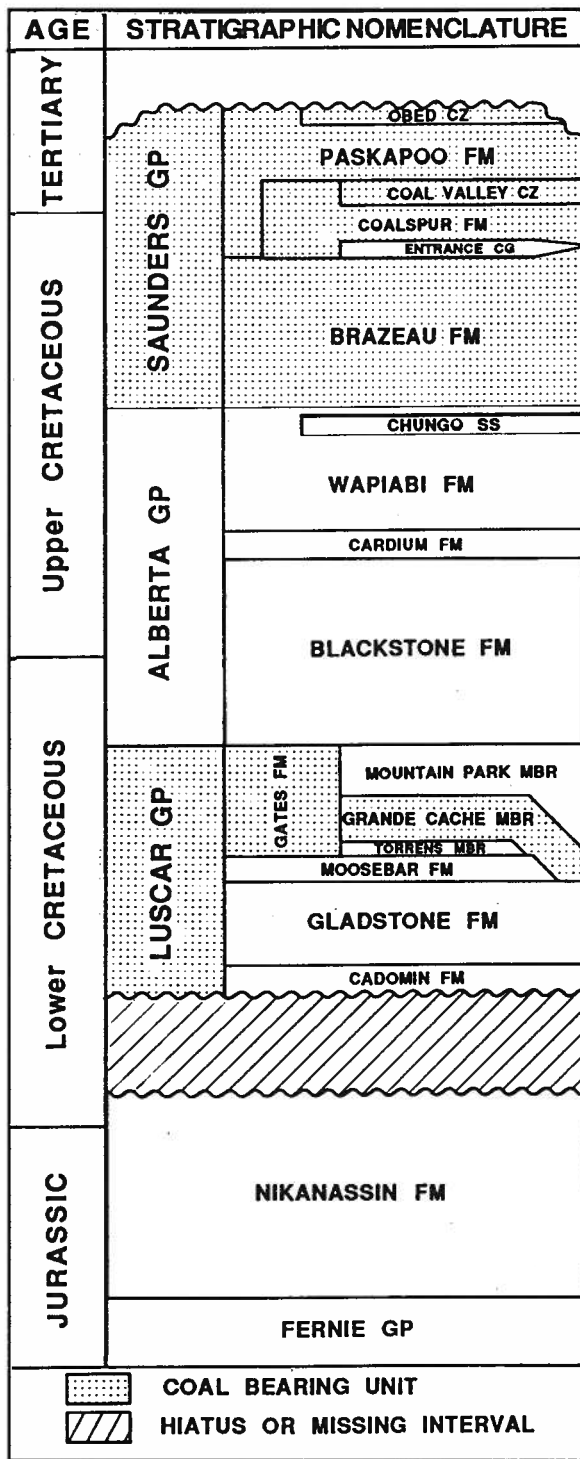


Figure 2 Stratigraphic Nomenclature for the Coal Compilation Project - Mountains and Foothills of North-Central Alberta (after ERCB ST 92-31)

**Geological Setting**

Within the mapsheet 83C/16 (Blackstone River), coal measures are deposited within thick successions of sandstones, siltstones, shales. Known coal-bearing sequences are contained within the Brazeau and Coalspur formations of the Upper Cretaceous/Tertiary Saunders Group; additional coal bearing sequences may also be deposited within the Paskapoo Formation.

Stratigraphic nomenclature for the above strata is shown in Figure 2.

**Stratigraphy of Coal-Bearing Units**

**Coalspur Formation**

The Coalspur Formation consists of ~600 metres of sandstones, shales and coals, predominantly deposited in nonmarine environments.

**Brazeau Formation**

The Brazeau Formation is ~1200 metres thick and consists of primarily nonmarine sandstone, conglomerate and shale, with minor coal occurrences.

**Structure**

Within the mapsheet area, the geology is not structurally complex, when compared to other areas of Alberta's Foothills and Mountains Regions.

The southwest third of the mapsheet is the most complicated; strata of the Saunders Group are intersected by a number of faults including the northwest trending Brazeau and Ancona thrusts. In some sources, the surface trend of the Ancona Thrust is considered as the northeastern edge of the disturbed belt.

During the early to mid-eighties, Esso Resources Canada Limited conducted coal exploration activities in the northeast quarter of the mapsheet. Interpretation of the generated data included the identification of a additional northwest trending thrust fault system within the Saunders Group. While there is only minimal data, there is no evidence of any additional, substantial structural features between the Ancona and 'Esso' thrusts. Between the thrusts, the strata may be part of a shallow syncline. Strata northeast of the 'Esso' fault dip gently to the northeast.

### **Environmental Setting**

#### **Integrated Resource Plans (IRP's)**

Mapsheet 83C/16 contains three existing Sub-Regional IRP's; they are the

- Brazeau - Pembina
- Coal Branch
- Nordegg - Red Deer River

Outlines of the three IRP's are presented on an inset on the enclosed map RCM14.

### **Resource Management**

#### **Coal Dispositions**

The status of the rights\_to\_coal within an area can generally be categorized into one of the following

- Crown coal lease
- Crown coal lease under application
- Areas with registered right of first refusal
- Freehold coal rights
- Coal withdrawn from disposition.

According to a recent (1990-03-30) Alberta Energy Coal Disposition Map, there are corporate coal land holdings on the 83C/16 (Blackstone River) mapsheet; coal land activity is limited to the west half of the mapsheet.

Luscar Ltd. holds coal leases and coal lease applications; the Bank of British Columbia also holds coal lease applications in the northwest quarter of the mapsheet.

### **Established Coal Resources and Reserves**

Coal reserves are calculated by the ERCB for the whole of Alberta.

In part, the McLeod River Coal Field is contained within the CCP mapsheet 83C/16 (Blackstone River). The Coal Field, containing coal of the Coalspur Formation, is part of the ERCB-designated 'Foothills Region'.

The mapsheet also contains the Elk River 'Coal Occurrence'. The occurrence (located in ~LSD 1, Section 9, Township 46, Range 15 West 5th Meridian) consists of coals of the Coalspur Formation.

Only the Coal Field outline has been shown on the GIS plot.

### **Exploration History**

#### **Coal**

#### **Coal Exploration Drillholes**

Some 72 coal exploration holes<sup>3</sup> have been drilled by 5 companies. Of the holes drilled, 48 holes (67%) contain recorded coal intersections on the AGS Coal Database (these are picks as recorded by ERCB staff); it follows that 24 holes (33%) did not intersect coal. Hole depths varied from 23 metres to a maximum of 164 metres.

A summary of the coal exploration drilling activities follows:

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<sup>3</sup>Information, concerning coal exploration drillholes, is based on the AGS Coal Database, April, 1989 version of the ERCB Coal Hole File. It is planned, in the next fiscal year, to upgrade the AGS Coal Database with the April, 1992 version of the ERCB Coal Hole File.

<b>Company</b>	<b>Number of Coal Drillholes</b>
Esso Resources Canada Limited	22
Imperial Oil Limited	6
Lexco Testing Ltd.	37
Luscar Ltd.	6
Shell Canada Resources Ltd.	1

Based on the April, 1989 version of the ERCB Coal Hole File, details of the coal exploration drillholes are given in Appendix 1; the data listing includes the following information:

- sitid; the assigned Site Identification Number within the AGS Coal Database
- cat\_id; the assigned Catalogue Identification Number within the ERCB Coal Hole File (April, 1989 version)
- orig; the original identification number of the datapoint (ie, drillhole number); this item may have been edited, in some instances, by the ERCB to allow the 'orig' to be accommodated by the existing format of the ERCB Coal file
- c; a Yes/No \_toggle to denote whether or not the datapoint, as stored on the AGS Coal Database, contains coal intersections
- q; a Yes/No \_toggle to denote whether or not the datapoint, as stored on the AGS Coal Database, contains coal quality data
- m; meridian
- twp; township
- rg; range
- s; section
- rs; reference section
- rc; reference corner
- metn; metres north or south from the reference corner
- mete; metres east or west from the reference corner
- elev; ground or surface elevation of the datapoint (drillhole)
- td; total depth of drillhole reported in metres
- cpdt; completion date of the datapoint (drillhole); date coded as yymmdd
- drld; data\_release date of the datapoint (drillhole); date coded as yymmdd
- cor; the assigned corporation number within the AGS Coal Database
- company; identifies the company that generated the datapoint (drillhole).

### **Oil and Gas**

The CCP mapsheet 83C/16 contains, in part, the following six Gas Fields

- Blackstone
- Brazeau
- Columbia
- Hanlan
- Peco
- Voyager

Field outlines, as they apply to the mapsheet, have been indicated on the GIS plot.

Within the mapsheet area, 59 gas (and/or oil) wells have been drilled. Of the wells drilled,

- 27 have been abandoned
- 21 are capped gaswells
- 8 are flowing gaswells
- 1 is a suspended well
- 2 contain no data on the ERCB oil and gas database.

See Appendix 2 for additional data. The Appendix is based on queries from the ERCB oil and gas database (January, 1991 version).

### **Coal Occurrences**

#### **Coal Exploration Drillholes**

Coal intersections, per coal exploration drillhole, have been included in Appendix 3. Each drillhole is a self-contained data set and includes the following information:

- sitid; the assigned Site Identification Number within the AGS Coal Database
- cat\_id; the assigned Catalogue Identification Number within the ERCB Coal Hole File (April, 1989 version)
- m; meridian
- twp; township
- rg; range
- s; section
- rs; reference section

- rc; reference corner
- metn; metres north or south from the reference corner
- mete; metres east or west from the reference corner
- nts; identifies the 1: 50000 NTS mapsheet which contains the datapoint
- orig; the original identification number of the datapoint (ie, drillhole number); this item may have been edited, in some instances, by the ERCB to allow the 'orig' to be accommodated by the existing format of the ERCB Coal file
- name of the corporation that generated the datapoint (drillhole)
- elev; ground or surface elevation of the datapoint (drillhole)
- td; total depth of drillhole reported in metres
- dep\_log; bottom depth, in metres, of the logged interval; this field has a default value of zero
- rego; thickness, in metres, of the regolith this field has a default value of zero
- cpdt; completion date of the datapoint (drillhole) date coded as yymmdd
- drld; data\_release date of the datapoint (drillhole) date coded as yymmdd
- qual; a Yes/No \_toggle to denote whether or not the datapoint, as stored on the AGS Coal Database, contains coal quality data
- piktyp; the type of geological pick, as identified in the AGS Coal Database; for this Appendix, all piktyp's are 1, ie, coal seam
- piknum; the geological pick identification number as stored in the AGS Coal Database
- dtop; depth to top of coal in metres
- dbase; depth to bottom of coal in metres
- thick; thickness (ie, dbase - dtop) of the coal seam in metres
- seamno; the ERCB\_Designated Coal Seam Name/Number (if assigned/known); this field has a default value of zero
- min; mineral matter content of the coal (usually an ERCB estimate from the interpretation of the geophysical log); this field has a default value of zero
- cnt\_mkr; the ERCB\_Designated Geologic Group/Formation (if assigned/known).

All major, drillhole coal intersections are contained within the Coalspur Formation. Up to seven seams, having a cumulative coal thickness of up to 13 metres, have been intersected in the drillholes.



### **Coal Exploration Trenches**

During the early eighties (?), coal exploration trenches were excavated by Esso Resources Canada Limited as part of their exploration efforts in the Bigfoot-Sylvester Creek Reconnaissance Area, ie, in part, in the northeast portion of the mapsheet 83C/16. Details of the trenching are not known.

### **Coal Outcrops**

Within the mapsheet, details of a number of coal outcrops have been recorded by the Alberta Research Council (1924 and 1993) and by Esso Resources Canada Limited (1984). For many of the coal outcrops, information is limited to age and (approximate) location of the coal; seam thicknesses are not available for all outcrops. Identified coal outcrops are contained within the Brazeau, Coalspur and Paskapoo formations.

Allan (1924) reported 2 outcrops of Brazeau coal within the mapsheet area. One outcrop (located in LSD 16, Section 13, Township 45, Range 18 West 5th Meridian) contains 2 seams, each having a thickness of 0.9 metre. The second outcrop (located in ~LSD 7, Section 5, Township 44, Range 17 West 5th Meridian) contains 5 seams ranging in thickness from 0.3 to 1.5 metres; in total, the outcrop contains 6 metres of coal.

In 1993, a Coalspur coal outcrop, located on the southeast bank of the Brazeau River, was described and sampled by AGS staff. The outcrop, containing four coal seams, has a total of 5.8 metres of coal within a stratigraphic interval of 50 metres. Brief notes for each of the coal seams, in stratigraphically ascending order, follow

- 1st Seam; dull to dull-banded; weathered; ~1.25 metres thick; 034/88 (dip direction azimuth/dip degrees); a channel coal sample, RC-93-1, was taken for coal quality analysis; a shale sample, RC-93-1A (taken from above the roof of the coal seam) was taken for palynological analysis (see Appendix 4)
- ~13 metres of interburden
- 2nd Seam; dull to dull-banded; weathered; ~1.0 metre thick; 022/088; a channel sample, RC-93-2, was taken for coal quality analysis
- ~10 metres of interburden
- 3rd Seam; dull to bright-banded; weathered; ~1.0 metre thick; 030/84; contains minor blebs of amber; a channel sample, RC-93-3, was taken for coal quality analysis
- ~18 metres of interburden

- 4th Seam; bright to dull-banded; hard; seam has a minimum thickness of 2.5 metres; 031/74; a channel sample, RC-93-4, was taken for coal quality analysis.

Allan (1924) documented a Coalspur coal, lying in close proximity to, and on strike with the above Coalspur outcrop. This outcrop, according to Allan's report, contains 3 coal seams, ranging in thickness from 0.6 to 1.5 metres; in total, the outcrop contains 2.7 metres of coal. The outcrop is located within Sections 17 and 18, Township 45, Range 17 West 5th Meridian.

Allan (1924) further identified, on the banks of the Brazeau River, a stratigraphically higher coal horizon. The 1.5 metre thick seam (located in Section 10, Township 45, Range 17 West 5th Meridian) may be Upper Paskapoo (Obed\_equivalent ??) in age.

AGS field staff, during a 1993 areal reconnaissance, noted an additional coal exposure, within the mapsheet area, which may also be Upper Paskapoo. Exposed on the banks of the Elk River, the coal outcrop is located in ~LSD 16, Section 11, Township 46, Range 15 West 5th Meridian. No additional details/data are available for the outcrop.

Locations of all known coal outcrops, including sample sites, where applicable, are included on the enclosed map RCM14. Locations of palynological sample sites are also included on the map.

### **Oil and Gas Wells**

Coalspur Formation coal intersections have also been identified on geophysical well logs from selected oil and gas wells within the mapsheet 83C/16. Up to seventeen seams, within a 250 metre thick section, contain a cumulative coal thickness of up to 25 metres.

RCM14 contains two inset maps concerning the Coalspur Formation coals of the selected oil and gas wells. One displays the number of Coalspur Formation seams per oil/gas well while the second identifies the cumulative coal per oil/gas well.

### **Coal Quality Summary**

#### **Coal Rank**

Within the mapsheet 83C/16 (Blackstone River), the Coalspur Formation coals have a rank of high volatile C bituminous.

Analytical results of the AGS' 1993 coal samples, RC-93-1 to RC-93-4 inclusive, form Appendix 5.

Within the mapsheet area, there is no coal quality data for either the Brazeau or Upper Paskapoo coals; both coals should have a similar rank to the coals of the Coalspur Formation (ie, high volatile C bituminous).

#### **Coal Exploration Drillholes**

Of the coal holes drilled, only two contain raw coal quality information; both were drilled by Esso Resources Canada Limited. All samples pertain to the Coalspur Formation coals. Available coal quality information includes

- 5 complete Proximate Analyses (as-received basis) from 1 drillhole
- 13 complete Proximate Analyses (air-dried basis) from 2 drillholes
- 10 analyses of Sulphur (air-dried basis) from 2 drillholes
- 5 analyses of Heating Value (as-received basis) from 1 drillhole
- 12 analyses of Heating Value (air-dried basis) from 2 drillholes
- 7 analyses of Specific Gravity from 2 drillholes
- 2 samples of Ash Analysis from 1 drillhole
- 2 analyses of Ash Fusibility from 1 drillhole
- 2 analyses of Equilibrium Moisture from 1 drillhole
- 2 analyses of Hardgrove Grindability Index from 1 drillhole
- 2 samples of Ultimate Analyses from 1 drillhole.

In addition to the above raw analyses, additional analytical data does exist for one of the drillholes (84-87CH). 'New' samples were generated from a number of combinations of sink/float and sieve analyses. All/some of the resultant samples were analyzed for

- Ash Fusibility
- Ash Analyses
- Equilibrium Moisture
- FSI (Free Swelling Index)
- Heating Value
- HGI (Hardgrove Grindability Index)
- Moisture

- Proximate Analyses
- Sulphur
- Ultimate Analyses.

### Operating and Abandoned Coal Mines

Within the mapsheet 83C/16, there are no operating or abandoned coal mines.

### Coal Bed Methane (CBM) Resource Potential

#### Ranking

During coalification, large amounts of methane may be produced. Reserves/resources of in-place gas depends on a number of factors including rank (Figure 3), volume of coal, depth of burial and methane retention.

The volume of in-place coal (ie, size of the potential reservoir) can be calculated. Within the

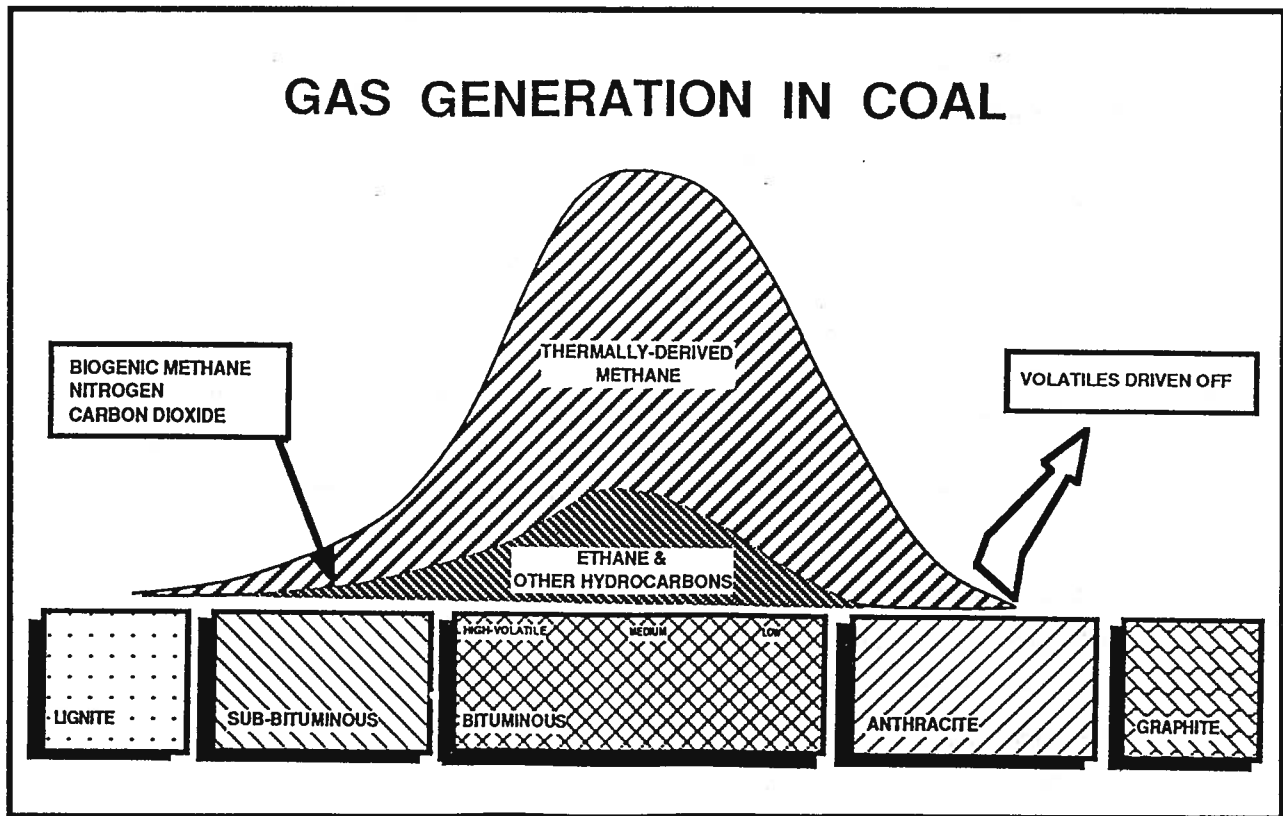


Figure 1 Gas Generation in Coal

mapsheets, past coal exploration/development activities focussed on Coalspur Formation coals; generated data points established coal thickness(es) within the stratigraphic sequence. Two of the coal exploration drillholes were also sampled to generate initial coal quality information. Little is known, within the mapsheet area, concerning the retention of CBM within a reservoir, and/or production of CBM from within a reservoir.

The high volatile coals of the Coalspur Formation provide the best CBM exploration / exploitation potential for the mapsheet.

Little is known about the existence, thickness(es) and/or lateral extent of the high volatile bituminous coals of the Brazeau and Upper Paskapoo formations. The CBM potential of these two formations should not be completely disregarded.

Based on the above data, and/or the lack of, a ( cursory ) assessment of the CBM resource potential has been completed for the mapsheet. Economic and/or social factors were not included as part of the evaluation criteria.

Results have been graphically presented on a 'Coal Bed Methane Resource Potential' inset map of the accompanying RCM14. Five categories of CBM resource potentials were established, ie, Excellent, Very Good, Good, Fair to Poor, and Poor to Nil. On mapsheet 83C/16 (Blackstone River), only 3 categories have been utilized. The 'Good' sector on the companion map identifies those areas, where coal deposition, including quantity, quality and structural setting, may be favorable for the exploration/exploitation of a CBM reservoir. 'Fair to Poor' areas indicate

- existing commitments regarding the utilization of the coal; eg, coal reserves/resources may be contained within and/or, in close proximity, to approved and/or existing surface mining operations
- a lower knowledge level, ie, more data is needed to properly evaluate a coal's character, and/or
- coals of only secondary interest, as it applies to CBM reservoir exploration/exploitation; ie, the targeted coal is 'much less than ideal', with regard to quantity, quality and structural setting.

'Poor to Nil' areas are either

- non coal-bearing or

◦ underlain by coal that has little to no likelihood of being subjected to CBM exploration/exploitation ventures; the coal is generally lacking in either quantity and/or quality; further, depth of burial and structural complexities may also have contributed to the coal's low ranking.

### **Recent Activity**

Amoco Canada Petroleum Company Ltd., from late 1990 to early 1991, drilled a CBM well within the mapsheet area. The well, Amoco Blackstone 16-11, is located in Township 44, Range 16, West of the 5<sup>th</sup> Meridian; the total depth of the well was 1090 metres. The location is a redrill of a much deeper, capped gaswell (Amoco Brown Creek 16-11-44-16) originally drilled in 1980; the total depth of the original well was 5356 metres.

For the recent CBM test, the targeted reservoir was the coal-bearing section of the Coalspur Formation. Coal intersections, commencing at a depth of 857 metres were identified within a drilled interval of 211 metres. Twelve coal seams, with an aggregate thickness exceeding 12 metres, were intersected.

Baseline coalbed methane reservoir data, including gas desorption results and/or petrographic analyses, remain confidential.

At present, the well is a 'potential' gaswell.

### **Coal Resource Development Potential**

A semiquantitative and subjective evaluation of the potential of coal development in the map area is based on limited data. It is based on mainly geological criteria and does not take into account governmental restrictions on coal development or evaluate actual economic constraints to development now or in the future. The three criteria that have been used are Coal Potential, Mining Potential, and Data Availability (discussed in more detail below). Areas in Green on the companion map (thematic inset 'Coal Development Potential') reflect higher level of knowledge and potential for development of coal than the blue (medium) or red areas (low). Areas rated in blue indicate more information is needed to determine the coal development potential. Areas colored red indicate some potential for development. The remaining uncolored areas have no data available often because the coal, if present, is at depth under non coal-bearing rocks.

## **Coal Potential**

### **Resources**

For much of the mapsheet area, the amount of available data is insufficient for a quantitative evaluation of coal resources. Where coal drillholes and/or trenches exist, the ERCB (1991) has calculated in-place and recoverable established resources for the McLeod River Coal Field.

### **Coal Quality**

Very little coal quality data is available but where test results are present, the potential of the coal for development is strengthened.

## **Mining Potential**

### **Overburden**

An evaluation of overburden for surface mining and depth for underground mining has been made. (The 'Mining Potential' criteria did not take into account governmental restrictions on coal development or evaluate actual economic constraints to development now or in the future.)

### **Geotechnical**

Geotechnical considerations included an evaluation of structural setting. Consideration was given to infrastructural concerns related to site, environment and potential mining problems.

### **Data Availability**

Little coal data is available for the entire map area but where present the potential of the coal for development is strengthened. In general, where coal has been documented within a drillhole, oil/gas well and/or trench, the coal has an increased development potential. Some value was given to areas containing sediments that typically include coal.

## **Future Work**

The mapsheet has only been superficially examined from a coal resource/exploration point of view. Past coal exploration activity has been limited to two coal exploration projects that were conducted near the northwest and northeast edges of the mapsheet. Additional data regarding coal presence has been interpreted from selected oil/gas well logs. The mapsheet contains no past and/or present coal mining activities. Little data is available and the coal development

potential is somewhat uncertain; available data pertains almost exclusively to the Coalspur Formation coals. Additional coal quality data needs to be collected and detailed stratigraphic and/or structural studies are needed in the less explored areas.

The presence of Coalspur Formation coals of primarily high volatile bituminous rank would indicate the area may have potential for CBM exploration/exploitation. To date, one known CBM well has been drilled within the mapsheet area. Additional work is required to establish and evaluate coalbed methane resources in the area. While little is known of the coals (presence and/or quality) of the Brazeau and Upper Paskapoo formations, they too should be considered for CBM potential. The coal, if present, is likely high volatile bituminous.



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\* Confidential corporate documentation/report on loan to the Alberta Geological Survey.

**Appendix 1. 83C/16 - Coal Drillholes**

Locations in coal database: summary information  
 MTS map sheet #2616

(Data current to April 1989)  
 October 11, 1991

slid	cat_id	orig	e	q	m	tup	r	q	r	z	re	metn	note	elov	td	epdt	drld	cor	company
102541	24241	000204	M	N	S	43	17	34	34	NE	-502.9	-1485.9	1485.9	106.7	710490	040100	64	LUSCAR LTD.	
102542	24241	000204	Y	N	S	43	17	35	35	NE	-502.9	-1485.9	1485.9	106.7	710490	040100	64	LUSCAR LTD.	
102543	24241	000204	M	N	S	44	17	36	36	NE	-682.8	-1805.6	1817.3	47.2	710490	040100	64	LUSCAR LTD.	
102544	24241	000204	Y	N	S	44	17	36	36	NE	-682.8	-1805.6	1817.3	47.2	710490	040100	64	LUSCAR LTD.	
102545	24241	000204	Y	N	S	45	18	37	37	NE	-376.0	-84.0	1176.0	116.4	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102546	24241	000204	Y	N	S	45	18	38	38	NE	-694.4	-189.0	1221.0	132.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102547	24241	000204	Y	N	S	45	18	39	39	NE	-682.0	-200.0	1225.0	152.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102548	24241	000204	Y	N	S	45	18	40	40	NE	-477.0	-245.0	1225.0	152.4	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102549	24241	000204	Y	N	S	45	18	41	41	NE	-30.5	-76.2	1234.4	152.4	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102550	24241	000204	Y	N	S	45	18	42	42	NE	-201.2	-704.1	1244.2	41.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102551	24241	000204	Y	N	S	45	18	43	43	NE	-102.7	-884.1	1404.2	152.0	710490	040100	64	LUSCAR LTD.	
102552	24241	000204	M	N	S	45	18	44	44	NE	-379.0	-859.0	1411.2	125.0	710490	040100	62	LEXCO TESTING LTD.	
102553	24241	000204	Y	N	S	45	18	45	45	NE	-141.1	-1639.2	1431.4	152.4	780200	010400	54	IMPERIAL OIL LIMITED	
102554	24241	000204	M	N	S	45	18	46	46	NE	-781.0	-1371.6	1213.1	152.4	780200	010400	54	IMPERIAL OIL LIMITED	
102555	24241	000204	Y	N	S	45	18	47	47	NE	-1139.0	-1809.0	1274.0	150.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102556	24241	000204	Y	N	S	45	18	48	48	NE	-1376.0	-1545.0	1170.0	152.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102557	24241	000204	Y	N	S	45	18	49	49	NE	-57.0	-60.0	1184.0	151.0	031200	040400	43	ESRO RESOURCES CANADA LIMITED	
102558	24241	000204	Y	N	S	45	18	50	50	NE	-1304.0	-242.0	1244.0	150.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102559	24241	000204	Y	N	S	45	18	51	51	NE	-252.0	-418.0	1170.0	152.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102560	24241	000204	Y	N	S	45	18	52	52	NE	-1592.0	-209.0	1184.0	150.0	031200	040400	43	ESRO RESOURCES CANADA LIMITED	
102561	24241	000204	Y	N	S	45	18	53	53	NE	-1386.0	-1304.0	1138.0	150.0	031200	040400	43	ESRO RESOURCES CANADA LIMITED	
102562	24241	000204	Y	N	S	45	18	54	54	NE	-1597.0	-9.0	1176.0	150.0	031200	040400	43	ESRO RESOURCES CANADA LIMITED	
102563	24241	000204	Y	N	S	45	18	55	55	NE	-1120.0	-1493.0	1189.0	151.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102564	24241	000204	Y	N	S	45	18	56	56	NE	-1587.0	-1529.0	1176.0	150.4	031200	040400	43	ESRO RESOURCES CANADA LIMITED	
102565	24241	000204	Y	N	S	45	18	57	57	NE	-730.0	-532.0	1103.0	152.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102566	24241	000204	Y	N	S	45	18	58	58	NE	-356.0	-20.0	1183.0	150.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102567	24241	000204	Y	N	S	45	18	59	59	NE	-1127.0	-640.1	1216.2	152.4	780200	010400	54	IMPERIAL OIL LIMITED	
102568	24241	000204	Y	N	S	45	18	60	60	NE	-2046.0	-802.3	1132.1	91.4	780200	010400	54	IMPERIAL OIL LIMITED	
102569	24241	000204	Y	N	S	45	18	61	61	NE	-1352.0	-1475.0	1182.0	151.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102570	24241	000204	Y	N	S	45	18	62	62	NE	-153.0	-346.0	1207.0	151.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102571	24241	000204	Y	N	S	45	18	63	63	NE	-22.0	-224.0	1189.0	147.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102572	24241	000204	Y	N	S	45	18	64	64	NE	-918.0	-1071.0	1271.0	152.0	040200	040400	43	ESRO RESOURCES CANADA LIMITED	
102573	24241	000204	M	N	S	45	17	6	6	NE	-180.6	-452.6	1216.2	68.4	720100	040100	64	LUSCAR LTD.	
102574	24241	000204	M	N	S	45	17	7	7	NE	-371.0	-1322.0	1235.3	121.0	020100	040200	62	LEXCO TESTING LTD.	
102575	24241	000204	Y	N	S	45	18	1	1	NE	-646.0	-1446.0	1304.0	109.7	020200	040400	62	LEXCO TESTING LTD.	
102576	24241	000204	Y	N	S	45	18	2	2	NE	-1409.0	-823.0	1346.9	15.4	020200	040400	62	LEXCO TESTING LTD.	
102577	24241	000204	Y	N	S	45	18	3	3	NE	-894.0	-1008.0	1322.3	55.2	020200	040400	62	LEXCO TESTING LTD.	
102578	24241	000204	Y	N	S	45	18	4	4	NE	-137.0	-1061.0	1324.1	42.7	012000	040400	62	LEXCO TESTING LTD.	
102579	24241	000204	Y	N	S	45	18	5	5	NE	-84.0	-1011.0	1337.0	31.4	012000	040400	62	LEXCO TESTING LTD.	
102580	24241	000204	Y	N	S	45	18	6	6	NE	-35.0	-977.0	1329.0	31.4	012000	040400	62	LEXCO TESTING LTD.	
102581	24241	000204	Y	N	S	45	18	7	7	NE	-348.0	-1223.0	1322.2	47.5	020100	040400	62	LEXCO TESTING LTD.	
102582	24241	000204	Y	N	S	45	18	8	8	NE	-154.0	-1231.0	1321.0	16.6	020100	040400	62	LEXCO TESTING LTD.	
102583	24241	000204	Y	N	S	45	18	9	9	NE	-1027.0	-450.0	1347.0	60.3	020100	040400	62	LEXCO TESTING LTD.	
102584	24241	000204	Y	N	S	45	18	10	10	NE	-1025.0	-409.0	1349.0	79.2	020100	040400	62	LEXCO TESTING LTD.	
102585	24241	000204	Y	N	S	45	18	11	11	NE	-928.0	-80.0	1341.1	32.0	020100	040400	62	LEXCO TESTING LTD.	
102586	24241	000204	Y	N	S	45	18	12	12	NE	-596.0	-1414.0	1303.9	115.0	020200	040400	62	LEXCO TESTING LTD.	
102587	24241	000204	Y	N	S	45	18	13	13	NE	-1389.0	-795.0	1344.0	143.0	020200	040400	62	LEXCO TESTING LTD.	
102588	24241	000204	Y	N	S	45	18	14	14	NE	-297.0	-1189.0	1323.4	36.3	012000	040400	62	LEXCO TESTING LTD.	
102589	24241	000204	Y	N	S	45	18	15	15	NE	-321.0	-1204.0	1323.0	73.2	012000	040400	62	LEXCO TESTING LTD.	
102590	24241	000204	Y	N	S	45	18	16	16	NE	-355.0	-1161.0	1325.6	73.2	012000	040400	62	LEXCO TESTING LTD.	

slid	cat_id	orig	e	q	m	tup	r	q	r	z	re	metn	note	elov	td	epdt	drld	cor	company
102591	24241	000204	M	N	S	45	18	1	1	NE	-461.0	-1322.0	1305.6	152.4	010200	040400	62	LEXCO TESTING LTD.	
102592	24241	000204	Y	N	S	45	18	2	2	NE	-284.0	-1180.0	1325.0	115.0	010200	040400	62	LEXCO TESTING LTD.	
102593	24241	000204	M	N	S	45	18	3	3	NE	-546.0	-1346.0	1304.5	121.0	010200	040400	62	LEXCO TESTING LTD.	
102594	24241	000204	Y	N	S	45	18	4	4	NE	-430.0	-680.0	1303.1	120.0	780200	040100	62	SHELL CANADA RESOURCES LIMITED	
102595	24241	000204	Y	N	S	45	18	5	5	NE	-471.0	-80.0	1302.1	68.6	010200	040400	62	LEXCO TESTING LTD.	
102596	24241	000204	M	N	S	45	18	6	6	NE	-444.0	-79.0	1302.1	121.0	010200	040400	62	LEXCO TESTING LTD.	
102597	24241	000204	Y	N	S	45	18	7	7	NE	-465.0	-53.0	1301.5	91.4	010200	040400	62	LEXCO TESTING LTD.	
102598	24241	000204	M	N	S	45	18	8	8	NE	-451.0	-193.0	1301.0	121.9	010200	040400	62	LEXCO TESTING LTD.	
102599	24241	000204	Y	N	S	45	18	9	9	NE	-888.0	-373.0	1300.7	121.9	010200	040400	62	LEXCO TESTING LTD.	
102600	24241	000204	M	N	S	45	18	10	10	NE	-1409.0	-213.0	1285.0	73.2	010200	040400	62	LEXCO TESTING LTD.	
102601	24241	000204	Y	N	S	45	18	11	11	NE	-1396.0	-326.0	1339.6	91.4	012000	040400	62	LEXCO TESTING LTD.	
102602	24241	000204	M	N	S	45	18	12	12	NE	-725.0	-251.0	1335.0	121.9	020100	040400	62	LEXCO TESTING LTD.	
102603	24241	000204	Y	N	S	45	18	13	13	NE	-488.0	-64.0	1335.6	121.3	020100	040400</			

siteid cat\_id orig e q m t w p r g u r s r r m s n s e t e elev td c p d t d r i d c o r c o m p a n y

Map sheet totals and ranges are:

72 locations in map sheet

1 locations have real quality data  
48 locations have real interconnections recorded

1138.0 is minimum elevation of a location  
1485.9 is maximum elevation of a location

22.9 is minimum total depth of a location  
163.4 is maximum total depth of a location

719799 is the earliest completion date of a location  
809299 is the most recent completion date of a location

819499 is the earliest date of data release by ERCS  
819499 is the most recent date of data release by ERCS

**Appendix 2. 83C/16 - Oil and Gas Wells; Status and Formation Tops**

Site ID: 61033

Source ID: 00/10-05-044-15W5/0

Latitude: 052.764989

Well Length: 4750.000

Longitude: 116.137342

KB Elevation: 1141.500

Status: Abandoned

Well Name: AMOCO STOLBERG 10-5-44-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
4750.000	15583.990	NONE IDENTIFIED	NONE IDEN



Site ID: 61034

Source ID: 00/10-05-044-15W5/2

Latitude: 052.764989

Well Length: 4200.000

Longitude: 116.137342

KB Elevation: 1141.500

Status: Abandoned

Well Name: AMOCO STOLBERG 10-5-44-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1991.000	6532.152	BELLY RIVER GRP	BR
2372.500	7783.793	LEA PARK FM	LP
2486.000	8156.168	COLORADO GRP	COLO
2770.000	9087.927	CARDIUM FM	CARD
2815.000	9235.564	CARDIUM SD	CARD SD
2857.500	9375.000	BLACKSTONE FM	BKST
3175.000	10416.667	BASE FISH SCALES ZONE	BFSC
3541.000	11617.454	FERNIE GRP	FERN
3558.000	11673.229	ROCK CREEK MBR	RKCK
3572.500	11720.801	POKER CHIP SH	PK C SH
3592.000	11784.777	NORDEGG MBR	NORD
3648.000	11968.504	TURNER VALLEY FM	TV
3696.500	12127.625	SHUNDA FM	SHUN
3759.000	12332.678	PEKISKO FM	PEK
3809.000	12496.720	BANFF FM	BNFF
3972.000	13031.496	EXSHAW FM	EX
3973.000	13034.777	WABAMUN GRP	WAB

Site ID: 61035

Source ID: 00/10-09-044-15W5/0

Latitude: 052.779974

Well Length: 2822.000

Longitude: 116.115856

KB Elevation: 1143.900

Status: Abandoned

Well Name: AMOCO RUNDELL CREEK 10-9-44-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1920.000	6299.213	BELLY RIVER GRP	BR
2300.000	7545.932	LEA PARK FM	LP
2439.000	8001.969	COLORADO GRP	COLO
2613.000	8572.835	BADHEART FM	BADH
2713.000	8900.919	CARDIUM FM	CARD
2760.500	9056.759	CARDIUM SD	CARD SD

Site ID: 61036

Source ID: 00/15-29-044-15W5/0

Latitude: 052.825256

Well Length: 3442.000

Longitude: 116.139830

KB Elevation: 1127.200

Status: Capped Gaswell

Well Name: AMOCO BLACKSTONE 15-29-44-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1846.000	6056.431	BELLY RIVER GRP	BR
2215.000	7267.061	LEA PARK FM	LP
2342.000	7683.727	COLORADO GRP	COLO
2623.000	8605.644	CARDIUM FM	CARD
2666.000	8746.720	CARDIUM SD	CARD SD
2706.000	8877.953	BLACKSTONE FM	BKST

Site ID: 61037

Source ID: 00/12-02-044-16W5/0

Latitude: 052.764288

Well Length: 4925.000

Longitude: 116.219717

KB Elevation: 1241.800

Status: Abandoned

Well Name: AMOCO BROWN CREEK 12-2-44-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2121.000	6958.662	BELLY RIVER GRP	BR
2440.000	8005.250	LEA PARK FM	LP
2849.600	9349.082	CARDIUM FM	CARD
2900.000	9514.436	FAULT	FLT
2900.800	9517.061	CARDIUM FM	CARD
2947.000	9668.636	CARDIUM SD	CARD SD
3073.700	10084.317	SECOND WHITE SPECKLED S	H2WS
3301.000	10830.053	BASE FISH SCALES ZONE	BFSC
3333.000	10935.040	MOUNTAIN PARK FM	MTN PK
3726.600	12226.379	FERNIE GRP	FERN
3739.400	12268.373	ROCK CREEK MBR	RKCK
3762.000	12342.521	POKER CHIP SH	PK C SH
3779.700	12400.591	NORDEGG MBR	NORD
3818.500	12527.888	TURNER VALLEY FM	TV
3895.300	12779.856	SHUNDA FM	SHUN
3938.100	12920.276	PEKISKO FM	PEK
3990.000	13090.552	BANFF FM	BNFF
4153.600	13627.297	EXSHAW FM	EX
4156.300	13636.154	WABAMUN GRP	WAB
4389.300	14400.591	WINTERBURN GRP	WINT
4522.000	14835.958	IRETON FM	IRE
4743.100	15561.353	DUVERNAY FM	DUVY
4767.000	15639.765	BEAVERHILL LAKE FM	BH LK
4830.000	15846.457	SWAN HILLS MBR	SW HL

Site ID: 61038

Source ID: 00/16-11-044-16W5/0

Latitude: 052.781543

Well Length: 5356.000

Longitude: 116.207391

KB Elevation: 1207.800

Status: Capped Gaswell

Well Name: AMOCO BROWN CREEK 16-11-44-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2091.000	6860.236	BELLY RIVER GRP	BR
2443.000	8015.092	LEA PARK FM	LP
2569.000	8428.478	COLORADO GRP	COLO
2854.000	9363.518	CARDIUM FM	CARD
2901.000	9517.717	CARDIUM SD	CARD SD
2939.000	9642.389	BLACKSTONE FM	BKST
3274.000	10741.470	BASE FISH SCALES ZONE	BFSC
3575.000	11729.003	BLUESKY FM	BLSK
3581.500	11750.328	GETHING FM	GETH
3649.000	11971.785	FERNIE GRP	FERN
3666.500	12029.200	ROCK CREEK MBR	FKCK
3685.500	12091.536	POKER CHIP SH	PK C SH
3706.000	12158.793	NORDEGG MBR	NORD
3747.500	12294.948	TURNER VALLEY FM	TV
3809.500	12498.360	SHUNDA FM	SHUN
3869.000	12693.570	PEKISKO FM	PEK
3917.500	12852.690	BANFF FM	BNFF
4077.000	13375.984	EXSHAW FM	EX
4079.000	13382.546	WABAMUN GRP	WAB
4312.500	14148.622	GRAMINIA FM	GRAM
4323.000	14183.071	BLUERIDGE MBR	BLUE
4358.000	14297.900	CALMAR FM	CALM
4367.500	14329.068	NISKU FM	NIS
4456.000	14619.423	IRETON FM	IRE
4677.000	15344.488	DUVERNAY FM	DUVY
4699.000	15416.667	BEAVERHILL LAKE FM	BH LK
4764.000	15629.922	SWAN HILLS MBR	SW HL
4837.000	15869.423	ELK POINT GRP	ELPT
4918.000	16135.171	LYNX GROUP	LYNX
4962.500	16281.169	SULLIVAN FM	SULL
5030.000	16502.625	PIKA FM	PIKA
5080.000	16666.668	ELDON FM	ELDN
5166.000	16948.820	STEPHEN FM	STPH
5246.500	17212.928	CATHEDRAL FM	CATH

Site ID: 61039

Source ID: 00/06-20-044-16W5/0

Latitude: 052.803873

Well Length: 4883.000

Longitude: 116.290834

KB Elevation: 1191.100

Status: Abandoned

Well Name: AMOCO BROWN CREEK 6-20-44-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1985.500	6514.108	BELLY RIVER GRP	BR
2308.000	7572.179	LEA PARK FM	LP
2450.000	8038.058	COLORADO GRP	COLO
2794.500	9168.308	CARDIUM FM	CARD
2843.000	9327.428	CARDIUM SD	CARD SD
2882.500	9457.021	BLACKSTONE FM	BKST
3258.000	10688.977	BASE FISH SCALES ZONE	BFSC
3286.000	10780.840	MOUNTAIN PARK FM	MTN PK
3577.400	11736.877	BLUESKY FM	BSK
3590.500	11779.856	GETHING FM	GETH
3626.100	11896.654	FAULT	FLT
3626.200	11896.981	CADOMIN FM	CADM
3659.000	12004.594	FERNIE GRP	FERN
3718.500	12199.804	ROCK CREEK MBR	RKCK
3740.300	12271.326	POKER CHIP SH	PK C SH
3760.000	12335.958	NORDEGG MBR	NORD
3799.000	12463.911	TURNER VALLEY FM	TV
3824.000	12545.933	SHUNDA FM	SHUN
3920.000	12860.893	PEKISKO FM	PEK
3960.500	12993.767	BANFF FM	BNFF
4120.800	13519.685	EXSHAW FM	EX
4121.800	13522.966	WABAMUN GRP	WAB
4357.000	14294.620	GRAMINIA FM	GRAM
4362.500	14312.664	BLUERIDGE MBR	BLUE
4429.000	14530.841	CALMAR FM	CALM
4444.000	14580.053	NISKU FM	NIS
4497.600	14755.906	IRETON FM	IRE
4708.800	15448.818	DUVERNAY FM	DUVY
4726.000	15505.250	BEAVERHILL LAKE FM	BH LK
4780.400	15683.728	SWAN HILLS MBR	SW HL

Site ID: 61040

Source ID: 00/11-22-044-16W5/0

Latitude: 052.808962

Well Length: 4805.000

Longitude: 116.243402

KB Elevation: 1174.800

Status: Capped Gaswell

Well Name: AMOCO ET AL BROWN CREEK 11-22-44-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2000.000	6561.680	BELLY RIVER GRP	BR
2394.000	7854.331	LEA PARK FM	LP
2524.500	8282.480	COLORADO GRP	COLO
2701.000	8861.549	BADHEART FM	BADH
2796.000	9173.229	CARDIUM FM	CARD
2842.000	9324.147	CARDIUM SD	CARD SD
2867.000	9406.168	BLACKSTONE FM	BKST
2949.700	9677.493	SECOND WHITE SPECKLED S	H2WS
3235.000	10613.518	BASE FISH SCALES ZONE	BFSC
3320.500	10894.029	MANNVILLE GRP	MANN
3613.000	11853.675	FERNIE GRP	FERN
3630.000	11909.449	ROCK CREEK MBR	RKCK
3653.500	11986.549	POKER CHIP SH	PK C SH
3669.500	12039.042	NORDEGG MBR	NORD
3711.500	12176.838	TURNER VALLEY FM	TV
3755.500	12321.194	SHUNDA FM	SHUN
3825.000	12549.213	PEKISKO FM	PEK
3873.500	12708.334	BANFF FM	BNFF
4027.500	13213.583	EXSHAW FM	EX
4030.000	13221.785	WABAMUN GRP	WAB
4276.500	14030.513	WINTERBURN GRP	WINT
4344.000	14251.969	CALMAR FM	CALM
4347.500	14263.452	NISKU FM	NIS
4411.000	14471.785	IRETON FM	IRE
4621.500	15162.402	DUVERNAY FM	DUVY
4652.800	15265.092	BEAVERHILL LAKE FM	BH LK
4714.000	15465.880	SWAN HILLS MBR	SW HL

Site ID: 136804

Source ID: 02/11-22-044-16W5/0

Latitude: 052.810485

Well Length: 4820.000

Longitude: 116.243366

KB Elevation: 1175.100

Status: Flowing Gaswell

Well Name: AMOCO ET AL BLACKSTONE A11-22-44-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2072.500	6799.541	BELLY RIVER GRP	BR
2382.000	7814.961	LEA PARK FM	LP
2521.000	8270.998	COLORADO GRP	COLO
2698.500	8853.347	BADHEART FM	BADH
2792.000	9160.105	CARDIUM FM	CARD
2838.000	9311.023	CARDIUM SD	CARD SD
2861.000	9386.483	BLACKSTONE FM	BKST
3223.000	10574.147	BLAIRMORE GRP	BL
3611.000	11847.113	FERNIE GRP	FERN
3626.500	11897.966	ROCK CREEK MBR	RKCK
3648.500	11970.145	POKER CHIP SH	PK C SH
3665.000	12024.278	NORDEGG MBR	NORD
3697.000	12129.266	TURNER VALLEY FM	TV
3764.500	12350.723	SHUNDA FM	SHUN
3839.000	12595.145	PEKISKO FM	PEK
3869.000	12693.570	BANFF FM	BNFF
4025.000	13205.381	EXSHAW FM	EX
4027.000	13211.942	WABAMUN GRP	WAB
4267.000	13999.345	WINTERBURN GRP	WINT
4283.000	14051.838	BLUERIDGE MBR	BLUE
4343.000	14248.688	CALMAR FM	CALM
4355.000	14288.059	NISKU FM	NIS
4406.000	14455.381	IRETON FM	IRE
4620.000	15157.480	DUVERNAY FM	DUVY
4652.000	15262.468	BEAVERHILL LAKE FM	BH LK
4712.500	15460.959	SWAN HILLS MBR	SW HL
4771.500	15654.528	ELK POINT GRP	ELPT
4820.000	15813.648	TOTAL DEPTH	TD



Site ID: 61041

Source ID: 00/11-26-044-16W5/0

Latitude: 052.823202

Well Length: 4730.000

Longitude: 116.216343

KB Elevation: 1146.700

Status: Capped Gaswell

Well Name: AMOCO BROWN CREEK 11-26-44-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1974.000	6476.378	BELLY RIVER GRP	BR
2321.000	7614.830	LEA PARK FM	LP
2439.500	8003.609	COLORADO GRP	COLO
2723.500	8935.368	CARDIUM FM	CARD
2767.000	9078.084	CARDIUM SD	CARD SD
2810.000	9219.160	BLACKSTONE FM	BKST
3155.000	10351.050	BASE FISH SCALES ZONE	BFSC
3181.500	10437.992	MOUNTAIN PARK FM	MTN PK
3227.500	10588.911	MANNVILLE GRP	MANN
3425.000	11236.877	BLUESKY FM	BLSK
3432.000	11259.843	GETHING FM	GETH
3535.000	11597.770	CADOMIN FM	CADM
3559.000	11676.510	FERNIE GRP	FERN
3575.000	11729.003	NORDEGG MBR	NORF
3619.300	11874.345	ELKTON MBR	ELTN
3655.000	11991.470	SHUNDA FM	SHUN
3724.500	12219.488	PEKISKO FM	PEK
3773.500	12380.250	BANFF FM	BNFF
3932.900	12903.215	EXSHAW FM	EX
3935.400	12911.417	WABAMUN GRP	WAB
4166.600	13669.948	GRAMINIA FM	GRAM
4177.000	13704.068	BLUERIDGE MBR	BLUE
4304.500	14122.376	WOODBEND GRP	WOOD
4534.000	14875.328	DUVERNAY FM	DUVY
4553.000	14937.664	BEAVERHILL LAKE FM	BH LK
4604.000	15104.987	SWAN HILLS MBR	SW HL

Site ID: 61042

Source ID: 00/07-10-044-17W5/0

Latitude: 052.783085

Well Length: 5365.000

Longitude: 116.388051

KB Elevation: 1345.600

Status: Capped Gaswell

Well Name: GULF ET AL BROWN CREEK 7-10-44-17

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1604.200</b>	<b>5263.124</b>	<b>WAPIABI FM</b>	<b>WPBI</b>
1617.000	5305.118	WAPIABI FM	WPBI
<b>1943.200</b>	<b>6375.328</b>	<b>BADHEART FM</b>	<b>BADH</b>
1973.300	6474.082	BADHEART FM	BADH
<b>2055.900</b>	<b>6745.079</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2091.900	6863.189	CARDIUM FM	CARD
<b>2110.300</b>	<b>6923.557</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
<b>2132.300</b>	<b>6995.735</b>	<b>KASKAPAU FM</b>	<b>KPAU</b>
2149.000	7050.525	CARDIUM SD	CARD SD
2172.000	7125.984	KASKAPAU FM	KPAU
<b>2417.700</b>	<b>7932.087</b>	<b>MOUNTAIN PARK FM</b>	<b>MTN PK</b>
2470.200	8104.331	MOUNTAIN PARK FM	MTN PK
<b>3124.500</b>	<b>10250.984</b>	<b>GLAUCONITIC SS</b>	<b>GLC SS</b>
<b>3140.400</b>	<b>10303.149</b>	<b>LOWER BLAIRMORE</b>	<b>L BL</b>
3187.000	10456.037	GLAUCONITIC SS	GLC SS
3203.400	10509.843	LOWER BLAIRMORE	L BL
<b>3302.000</b>	<b>10833.334</b>	<b>CADOMIN FM</b>	<b>CADM</b>
<b>3321.300</b>	<b>10896.654</b>	<b>FERNIE GRP</b>	<b>FERN</b>
<b>3334.700</b>	<b>10940.617</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
<b>3360.100</b>	<b>11023.951</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
3372.000	11062.992	CADOMIN FM	CADM
<b>3389.600</b>	<b>11120.735</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3392.500	11130.250	FERNIE GRP	FERN
3406.600	11176.510	ROCK CREEK MBR	RKCK
<b>3425.700</b>	<b>11239.174</b>	<b>TURNER VALLEY FM</b>	<b>TV</b>
3433.400	11264.436	POKER CHIP SH	PK C SH
3464.800	11367.455	NORDEGG MBR	NORD
3503.800	11495.407	TURNER VALLEY FM	TV
<b>3505.700</b>	<b>11501.641</b>	<b>FAULT</b>	<b>FLT</b>
<b>3505.800</b>	<b>11501.969</b>	<b>LOWER BLAIRMORE</b>	<b>L BL</b>
<b>3532.900</b>	<b>11590.879</b>	<b>CADOMIN FM</b>	<b>CADM</b>
<b>3544.300</b>	<b>11628.281</b>	<b>FERNIE GRP</b>	<b>FERN</b>
<b>3563.600</b>	<b>11691.602</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3575.000	11729.003	FAULT	FLT
3575.100	11729.331	LOWER BLAIRMORE	L BL
<b>3589.600</b>	<b>11776.903</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
<b>3617.000</b>	<b>11866.798</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3619.600	11875.329	CADOMIN FM	CADM

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
3631.900	11915.683	FERNIE GRP	FERN
3653.000	11984.908	ROCK CREEK MBR	RKCK
<b>3655.000</b>	<b>11991.470</b>	<b>TURNER VALLEY FM</b>	<b>TV</b>
3681.200	12077.428	POKER CHIP SH	PK C SH
3711.100	12175.525	NORDEGG MBR	NORD
<b>3722.400</b>	<b>12212.599</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3752.500	12311.353	TURNER VALLEY FM	TV
<i>3756.300</i>	<i>12323.819</i>	<i>FAULT</i>	<i>FLT</i>
<b>3756.400</b>	<b>12324.147</b>	<b>LUSCAR FM</b>	<b>LUSK</b>
3826.000	12552.494	SHUNDA FM	SHUN
<b>3862.900</b>	<b>12673.557</b>	<b>GLAUCONITIC SS</b>	<b>GLC SS</b>
3863.000	12673.885	FAULT	FLT
3863.100	12674.213	LUSCAR FM	LUSK
<b>3967.300</b>	<b>13016.077</b>	<b>LOWER BLAIRMORE</b>	<b>L BL</b>
3979.000	13054.462	GLAUCONITIC SS	GLC SS
<b>4055.600</b>	<b>13305.775</b>	<b>FERNIE GRP</b>	<b>FERN</b>
<b>4063.200</b>	<b>13330.709</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
<b>4089.000</b>	<b>13415.354</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
4092.500	13426.838	LOWER BLAIRMORE	L BL
<b>4113.300</b>	<b>13495.078</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
<b>4152.700</b>	<b>13624.345</b>	<b>TURNER VALLEY FM</b>	<b>TV</b>
4187.000	13736.877	FERNIE GRP	FERN
4195.100	13763.452	ROCK CREEK MBR	RKCK
<b>4212.000</b>	<b>13818.898</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
4222.100	13852.035	POKER CHIP SH	PK C SH
4247.400	13935.039	NORDEGG MBR	NORD
<b>4276.000</b>	<b>14028.872</b>	<b>PEKISKO FM</b>	<b>PEK</b>
4288.300	14069.226	TURNER VALLEY FM	TV
<b>4325.900</b>	<b>14192.585</b>	<b>BANFF FM</b>	<b>BNFF</b>
4349.300	14269.356	SHUNDA FM	SHUN
4415.100	14485.237	PEKISKO FM	PEK
4466.000	14652.231	BANFF FM	BNFF
<b>4485.800</b>	<b>14717.191</b>	<b>EXSHAW FM</b>	<b>EX</b>
<b>4488.400</b>	<b>14725.722</b>	<b>WABAMUN GRP</b>	<b>WAB</b>
4627.000	15180.446	EXSHAW FM	EX
4629.600	15188.978	WABAMUN GRP	WAB
<b>4713.100</b>	<b>15462.928</b>	<b>GRAMINIA FM</b>	<b>GRAM</b>
<b>4723.900</b>	<b>15498.359</b>	<b>BLUERIDGE MBR</b>	<b>BLUE</b>
<b>4779.600</b>	<b>15681.104</b>	<b>CALMAR FM</b>	<b>CALM</b>
<b>4786.000</b>	<b>15702.101</b>	<b>NISKU FM</b>	<b>NIS</b>
4858.500	15939.961	GRAMINIA FM	GRAM
<b>4868.500</b>	<b>15972.770</b>	<b>IRETON FM</b>	<b>IRE</b>
4869.300	15975.394	BLUERIDGE MBR	BLUE
4925.000	16158.137	CALMAR FM	CALM
4931.400	16179.134	NISKU FM	NIS
5014.000	16450.131	IRETON FM	IRE
<b>5066.300</b>	<b>16621.719</b>	<b>DUVERNAY FM</b>	<b>DUVY</b>
<b>5070.900</b>	<b>16636.811</b>	<b>BEAVERHILL LAKE FM</b>	<b>BH LK</b>
<b>5111.200</b>	<b>16769.029</b>	<b>SWAN HILLS MBR</b>	<b>SW HL</b>
<b>5206.300</b>	<b>17081.037</b>	<b>ELK POINT GRP</b>	<b>ELPT</b>
5211.900	17099.410	DUVERNAY FM	DUVY

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
5216.500	17114.502	BEAVERHILL LAKE FM	BH LK
5256.900	17247.047	SWAN HILLS MBR	SW HL
5352.000	17559.057	ELK POINT GRP	ELPT

Site ID: 61043

Source ID: 00/06-20-044-17W5/0

Latitude: 052.804780

Well Length: 4341.000

Longitude: 116.435583

KB Elevation: 1387.800

Status: Capped Gaswell

Well Name: TRIAD ET AL BROWN CREEK 6-20-44-17

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1538.600	5047.900	WAPIABI FM	WPBI
2075.700	6810.040	UPPER CARDIUM	U CARD
2154.900	7069.882	LOWER CARDIUM	L CARD
2156.500	7075.131	BLACKSTONE FM	BKST
2712.700	8899.935	MOUNTAIN PARK FM	MTN PK
2776.700	9109.908	LUSCAR FM	LUSK
2996.800	9832.021	OSTRACOD ZONE	OST
3129.700	10268.045	CADOMIN FM	CADM
3148.300	10329.068	FERNIE GRP	FERN
3167.500	10392.061	ROCK CREEK MBR	RKCK
3223.900	10577.100	NORDEGG MBR	NORD
3261.700	10701.115	RUNDLE GRP	RUND
3296.700	10815.945	FAULT	FLT
3296.700	10815.945	NORDEGG MBR	NORD
3326.000	10912.074	RUNDLE GRP	RUND
3378.100	11083.006	FAULT	FLT
3378.100	11083.006	RUNDLE GRP	RUND
3471.700	11390.092	SHUNDA FM	SHUN
3552.100	11653.872	PEKISKO FM	PEK
3582.900	11754.921	BANFF FM	BNFF
3755.700	12321.851	FAULT	FLT
3755.700	12321.851	LUSCAR FM	LUSK
3965.400	13009.843	OSTRACOD ZONE	OST
4104.100	13464.896	CADOMIN FM	CADM
4111.100	13487.861	FERNIE GRP	FERN
4124.900	13533.137	ROCK CREEK MBR	RKCK
4177.000	13704.068	NORDEGG MBR	NORD
4215.400	13830.053	RUNDLE GRP	RUND
4259.300	13974.081	SHUNDA FM	SHUN

Site ID: 61044

Source ID: 00/10-30-044-17W5/0

Latitude: 052.821860

Well Length: 3847.500

Longitude: 116.454097

KB Elevation: 1421.900

Status: Capped Gaswell

Well Name: GULF POC BP BROWN CREEK 10-30-44-17

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1550.200</b>	<b>5085.958</b>	<b>SOLOMON MBR</b>	<b>SOLO</b>
1551.400	5089.895	SOLOMON MBR	SOLO
<b>1598.700</b>	<b>5245.079</b>	<b>WAPIABI FM</b>	<b>WPBI</b>
1600.200	5250.000	WAPIABI FM	WPBI
<b>1961.400</b>	<b>6435.040</b>	<b>BADHEART FM</b>	<b>BADH</b>
1966.000	6450.131	BADHEART FM	BADH
<b>2059.500</b>	<b>6756.890</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2065.900	6777.887	CARDIUM FM	CARD
<b>2120.200</b>	<b>6956.037</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2127.800	6980.972	CARDIUM SD	CARD SD
<b>2168.700</b>	<b>7115.158</b>	<b>FAULT</b>	<b>FLT</b>
<b>2169.000</b>	<b>7116.142</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2176.900	7142.060	FAULT	FLT
2177.200	7143.045	CARDIUM FM	CARD
<b>2239.400</b>	<b>7347.113</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2249.400	7379.921	CARDIUM SD	CARD SD
<b>2255.500</b>	<b>7399.935</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2267.700	7439.961	BLACKSTONE FM	BKST
<b>2685.300</b>	<b>8810.040</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
2708.100	8884.843	BASE FISH SCALES ZONE	BFSC
<b>2715.500</b>	<b>8909.121</b>	<b>MOUNTAIN PARK FM</b>	<b>MTN PK</b>
2738.600	8984.909	MOUNTAIN PARK FM	MTN PK
<b>2763.600</b>	<b>9066.930</b>	<b>LUSCAR FM</b>	<b>LUSK</b>
2787.400	9145.013	LUSCAR FM	LUSK
<b>2939.200</b>	<b>9643.045</b>	<b>LOWER BLAIRMORE</b>	<b>L BL</b>
2964.200	9725.065	LOWER BLAIRMORE	L BL
<b>3060.800</b>	<b>10041.995</b>	<b>CADOMIN FM</b>	<b>CADM</b>
<b>3079.700</b>	<b>10104.003</b>	<b>FERNIE GRP</b>	<b>FERN</b>
3087.000	10127.953	CADOMIN FM	CADM
<b>3093.400</b>	<b>10148.950</b>	<b>FAULT</b>	<b>FLT</b>
<b>3093.700</b>	<b>10149.935</b>	<b>LOWER BLAIRMORE</b>	<b>L BL</b>
3105.900	10189.961	FERNIE GRP	FERN
3119.600	10234.909	FAULT	FLT
3119.900	10235.893	LOWER BLAIRMORE	L BL
<b>3166.600</b>	<b>10389.108</b>	<b>CADOMIN FM</b>	<b>CADM</b>
<b>3188.200</b>	<b>10459.974</b>	<b>FERNIE GRP</b>	<b>FERN</b>
3193.700	10478.019	CADOMIN FM	CADM
<b>3211.700</b>	<b>10537.073</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
3214.700	10546.916	FERNIE GRP	FERN
3239.400	10627.953	ROCK CREEK MBR	RKCK
<b>3248.900</b>	<b>10659.121</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
<b>3263.800</b>	<b>10708.006</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3276.600	10750.001	POKER CHIP SH	PK C SH
3291.800	10799.869	NORDEGG MBR	NORD
<b>3300.100</b>	<b>10827.101</b>	<b>RUNDLE GRP</b>	<b>RUND</b>
3328.400	10919.947	RUNDLE GRP	RUND
<b>3357.700</b>	<b>11016.076</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
<b>3383.900</b>	<b>11102.034</b>	<b>FAULT</b>	<b>FLT</b>
<b>3384.200</b>	<b>11103.019</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3386.300	11109.908	SHUNDA FM	SHUN
3412.800	11196.851	FAULT	FLT
3413.200	11198.163	NORDEGG MBR	NORD
<b>3426.000</b>	<b>11240.158</b>	<b>FAULT</b>	<b>FLT</b>
<b>3426.300</b>	<b>11241.143</b>	<b>FERNIE GRP</b>	<b>FERN</b>
<b>3444.200</b>	<b>11299.869</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3455.800	11337.927	FAULT	FLT
3456.100	11338.911	FERNIE GRP	FERN
3474.100	11397.967	ROCK CREEK MBR	RKCK
<b>3483.900</b>	<b>11430.118</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
<b>3501.200</b>	<b>11486.877</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3513.700	11527.888	POKER CHIP SH	PK C SH
3531.100	11584.975	NORDEGG MBR	NORD
<b>3540.600</b>	<b>11616.143</b>	<b>RUNDLE GRP</b>	<b>RUND</b>
3570.400	11713.911	RUNDLE GRP	RUND
<b>3599.700</b>	<b>11810.040</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3629.600	11908.137	SHUNDA FM	SHUN

Site ID: 61045

Source ID: 00/06-35-044-17W5/0

Latitude: 052.834363

Well Length: 3050.000

Longitude: 116.362286

KB Elevation: 1221.500

Status: Abandoned

Well Name: AMOCO BROWN CREEK 6-35-44-17

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1992.000	6535.433	BELLY RIVER GRP	BR
2394.000	7854.331	LEA PARK FM	LP
2517.500	8259.515	COLORADO GRP	COLO
2850.000	9350.394	CARDIUM FM	CARD
2905.000	9530.840	CARDIUM SD	CARD SD
2969.000	9740.813	BLACKSTONE FM	BKST



Site ID: 150898

Source ID: 00/04-29-045-14W5/0

Latitude: 052.905249

Well Length: 2096.000

Longitude: 116.001862

KB Elevation: 1140.400

Staus: Capped Gaswell

Well Name: ESSO ET AL BRAZR 4-29-45-14

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1745.000	5725.066	BELLY RIVER GRP	BR
2002.500	6569.882	BASAL BELLY RIVER SD	BSL BR
2024.500	6642.061	LEA PARK FM	LP
2096.000	6876.641	TOTAL DEPTH	TD

Site ID: 63180

Source ID: 00/10-25-045-15W5/0

Latitude: 052.910387

Well Length: 3455.500

Longitude: 116.040107

KB Elevation: 1185.400

Status: Abandoned

Well Name: AQUIT BRAZR 10-25-45-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2176.300	7140.092	LEA PARK FM	LP
2310.400	7580.052	COLORADO GRP	COLO
2584.700	8479.987	CARDIUM SD	CARD SD
2699.900	8857.939	SECOND WHITE SPECKLED S	H2WS
2929.100	9609.909	BASE FISH SCALES ZONE	BFSC
2956.600	9700.132	VIKING SANDSTONE	VIK SS
2979.100	9773.951	BLAIRMORE GRP	BL
3189.700	10464.896	LOWER MANNVILLE FM	L MANN
3261.400	10700.131	FERNIE GRP	FERN
3275.700	10747.048	ROCK CREEK MBR	RKCK
3297.300	10817.914	POKER CHIP SH	PK C SH
3309.500	10857.940	NORDEGG MBR	NORD
3343.700	10970.145	ELKTON MBR	ELTN
3362.900	11033.137	SHUNDA FM	SHUN
3436.900	11275.919	PEKISKO FM	PEK

Site ID: 63181

Source ID: 00/01-28-045-15W5/0

Latitude: 052.904465

Well Length: 4150.000

Longitude: 116.110061

KB Elevation: 1265.900

Status: Abandoned

Well Name: AQUIT BRAZR 1-28-45-15

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>2187.700</b>	<b>7177.494</b>	<b>LEA PARK FM</b>	<b>LP</b>
2188.300	7179.462	LEA PARK FM	LP
<b>2327.100</b>	<b>7634.843</b>	<b>COLORADO GRP</b>	<b>COLO</b>
2327.800	7637.140	COLORADO GRP	COLO
<b>2580.600</b>	<b>8466.536</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2582.100	8471.457	CARDIUM FM	CARD
<b>2599.400</b>	<b>8528.215</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2601.000	8533.465	CARDIUM SD	CARD SD
<b>2724.100</b>	<b>8937.337</b>	<b>SECOND WHITE SPECK</b>	<b>H2WS</b>
2726.000	8943.570	SECOND WHITE SPECK	H2WS
<b>3043.800</b>	<b>9986.221</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
3046.000	9993.438	BASE FISH SCALES ZONE	BFSC
<b>3072.400</b>	<b>10080.053</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
3074.600	10087.271	VIKING SANDSTONE	VIK SS
<b>3096.800</b>	<b>10160.105</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
3099.000	10167.323	MANNVILLE GRP	MANN
<b>3369.800</b>	<b>11055.774</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3384.000	11102.362	ROCK CREEK MBR	RKCK
<b>3395.800</b>	<b>11141.076</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
<b>3407.300</b>	<b>11178.807</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3410.000	11187.664	POKER CHIP SH	PK C SH
3421.500	11225.395	NORDEGG MBR	NORD
<b>3458.300</b>	<b>11346.129</b>	<b>ELKTON MBR</b>	<b>ELTN</b>
3472.500	11392.717	ELKTON MBR	ELTN
<b>3483.300</b>	<b>11428.150</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3497.500	11474.738	SHUNDA FM	SHUN
<b>3551.300</b>	<b>11651.247</b>	<b>PEKISKO FM</b>	<b>PEK</b>
3565.500	11697.835	PEKISKO FM	PEK
<b>3598.000</b>	<b>11804.462</b>	<b>BANFF FM</b>	<b>BNFF</b>
3612.300	11851.379	BANFF FM	BNFF
<b>3752.800</b>	<b>12312.337</b>	<b>EXSHAW FM</b>	<b>EX</b>
<b>3754.000</b>	<b>12316.273</b>	<b>WABAMUN GRP</b>	<b>WAB</b>
3767.100	12359.253	EXSHAW FM	EX
3768.300	12363.189	WABAMUN GRP	WAB
<b>3974.300</b>	<b>13039.043</b>	<b>GRAMINIA FM</b>	<b>GRAM</b>
<b>3981.700</b>	<b>13063.320</b>	<b>BLUERIDGE MBR</b>	<b>BLUE</b>
3989.600	13089.239	GRAMINIA FM	GRAM
3996.000	13110.236	BLUERIDGE MBR	BLUE

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>4021.800</b>	<b>13194.883</b>	<b>NISKU FM</b>	<b>NIS</b>
4036.200	13242.126	NISKU FM	NIS
<b>4122.000</b>	<b>13523.622</b>	<b>IRETON FM</b>	<b>IRE</b>
4127.500	13541.667	IRETON FM	IRE

Site ID: 63182

Source ID: 00/16-28-045-15W5/0

Latitude: 052.914046

Well Length: 2764.200

Longitude: 116.107686

KB Elevation: 1230.200

Status: Abandoned

Well Name: IMPERIAL BRAZEAU SOUTH 16-28-45-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
569.400	1868.110	EDMONTON GRP	EDM
1662.700	5455.053	BELLY RIVER GRP	BR
2036.100	6680.118	LEA PARK FM	LP
2170.800	7122.048	COLORADO GRP	COLO
2409.100	7903.872	CARDIUM FM	CARD
2597.500	8521.981	SECOND WHITE SPECKLED S	H2WS

Site ID: 63183

Source ID: 00/14-31-045-15W5/0

Latitude: 052.925695

Well Length: 4185.000

Longitude: 116.169363

KB Elevation: 1204.500

Status: Capped Gaswell

Well Name: AQUIT HB BLACKSTONE 14-31-45-15

NOTE: Data lines, in 'bold text', represent true vertical depths.

Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1660.300</b>	<b>5447.179</b>	<b>BELLY RIVER GRP</b>	<b>BR</b>
1675.000	5495.407	BELLY RIVER GRP	BR
<b>1974.200</b>	<b>6477.034</b>	<b>WAPIABI FM</b>	<b>WPBI</b>
1995.000	6545.276	WAPIABI FM	WPBI
<b>2187.300</b>	<b>7176.182</b>	<b>FAULT</b>	<b>FLT</b>
<b>2187.600</b>	<b>7177.166</b>	<b>WAPIABI FM</b>	<b>WPBI</b>
2210.000	7250.656	FAULT	FLT
2210.300	7251.641	WAPIABI FM	WPBI
<b>2354.200</b>	<b>7723.753</b>	<b>FAULT</b>	<b>FLT</b>
<b>2354.500</b>	<b>7724.738</b>	<b>WAPIABI FM</b>	<b>WPBI</b>
2377.000	7798.557	FAULT	FLT
2377.300	7799.541	WAPIABI FM	WPBI
<b>2556.100</b>	<b>8386.155</b>	<b>CARDIUM FM</b>	<b>CARD</b>
<b>2570.700</b>	<b>8434.056</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2579.000	8461.286	CARDIUM FM	CARD
2593.600	8509.187	CARDIUM SD	CARD SD
<b>2597.600</b>	<b>8522.311</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2620.500	8597.441	BLACKSTONE FM	BKST
<b>2935.000</b>	<b>9629.266</b>	<b>FAULT</b>	<b>FLT</b>
<b>2935.300</b>	<b>9630.250</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2948.000	9671.916	FAULT	FLT
2948.300	9672.900	BLACKSTONE FM	BKST
<b>3021.300</b>	<b>9912.402</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
3044.300	9987.861	BASE FISH SCALES ZONE	BFSC
<b>3049.400</b>	<b>10004.593</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
<b>3060.900</b>	<b>10042.323</b>	<b>JOLI FOU FM</b>	<b>JOLI</b>
<b>3067.900</b>	<b>10065.289</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
3072.500	10080.381	VIKING SANDSTONE	VIK SS
3084.000	10118.110	JOLI FOU FM	JOLI
3091.000	10141.076	MANNVILLE GRP	MANN
<b>3263.400</b>	<b>10706.693</b>	<b>GLAUCONITIC SS</b>	<b>GLC SS</b>
<b>3279.900</b>	<b>10760.827</b>	<b>LOWER MANNVILLE FM</b>	<b>L MANN</b>
3286.500	10782.480	GLAUCONITIC SS	GLC SS
3303.000	10836.614	LOWER MANNVILLE FM	L MANN
<b>3373.800</b>	<b>11068.898</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
<b>3394.800</b>	<b>11137.796</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
3397.000	11145.014	ROCK CREEK MBR	RKCK
<b>3407.800</b>	<b>11180.446</b>	<b>NORDEGG MBR</b>	<b>NORD</b>

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
3418.000	11213.911	POKER CHIP SH	PK C SH
3431.000	11256.563	NORDEGG MBR	NORF
<b>3458.200</b>	<b>11345.801</b>	<b>ELKTON MBR</b>	<b>ELTN</b>
3481.400	11421.916	ELKTON MBR	ELTN
<b>3482.800</b>	<b>11426.510</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3506.000	11502.625	SHUNDA FM	SHUN
<b>3553.800</b>	<b>11659.449</b>	<b>PEKISKO FM</b>	<b>PEK</b>
3577.000	11735.564	PEKISKO FM	PEK
<b>3601.800</b>	<b>11816.930</b>	<b>BANFF FM</b>	<b>BNFF</b>
3625.000	11893.045	BANFF FM	BNFF
<b>3765.500</b>	<b>12354.003</b>	<b>WABAMUN GRP</b>	<b>WAB</b>
3780.800	12404.200	WABAMUN GRP	WAB
<b>3978.700</b>	<b>13053.478</b>	<b>GRAMINIA FM</b>	<b>GRAM</b>
<b>3982.700</b>	<b>13066.602</b>	<b>BLUERIDGE MBR</b>	<b>BLUE</b>
4002.000	13129.922	GRAMINIA FM	GRAM
4006.000	13143.045	BLUERIDGE MBR	BLUE
<b>4024.300</b>	<b>13203.085</b>	<b>CALMAR FM</b>	<b>CALM</b>
<b>4027.600</b>	<b>13213.911</b>	<b>NISKU FM</b>	<b>NIS</b>
4047.800	13280.185	CALMAR FM	CALM
4051.000	13290.683	NISKU FM	NIS
<b>4131.600</b>	<b>13555.119</b>	<b>IRETON FM</b>	<b>IRE</b>
4155.000	13631.891	IRETON FM	IRE

Site ID: 63184

Source ID: 00/07-32-045-15W5/0

Latitude: 052.919825

Well Length: 4180.000

Longitude: 116.136564

KB Elevation: 1229.000

Status: Capped Gaswell

Well Name: AMOCO COLUMBIA 7-32-45-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1818.000	5964.567	BELLY RIVER GRP	BR
2152.000	7060.368	LEA PARK FM	LP
2286.500	7501.641	COLORADO GRP	COLO
2554.000	8379.266	CARDIUM FM	CARD
2574.500	8446.522	CARDIUM SD	CARD SD
2617.000	8585.958	FAULT	FLT
2639.000	8658.137	CARDIUM FM	CARD
2657.500	8718.832	CARDIUM SD	CARD SD
2787.500	9145.342	SECOND WHITE SPECKLED S	H2WS
3030.000	9940.945	BASE FISH SCALES ZONE	BFSC
3047.000	9996.720	VIKING FM	VIK
3058.000	10032.809	VIKING SANDSTONE	VIK SS
3070.000	10072.179	JOLI FOU FM	JOLI
3084.000	10118.110	MANNVILLE GRP	MANN
3282.000	10767.717	GLAUCONITIC SS	GLC SS
3296.000	10813.648	LOWER MANNVILLE FM	L MANN
3355.500	11008.858	ELLERSLIE MBR	ELRS
3364.000	11036.746	FERNIE GRP	FERN
3373.000	11066.273	ROCK CREEK MBR	RKCK
3401.000	11158.137	POKER CHIP SH	PK C SH
3414.000	11200.788	NORDEGG MBR	NORD
3464.000	11364.830	ELKTON MBR	ELTN
3486.000	11437.008	SHUNDA FM	SHUN
3559.000	11676.510	PEKISKO FM	PEK
3602.500	11819.227	BANFF FM	BNFF
3759.000	12332.678	EXSHAW FM	EX
3762.000	12342.521	WABAMUN GRP	WAB
3992.500	13098.754	GRAMINIA FM	GRAM
3996.000	13110.236	BLUERIDGE MBR	BLUE
4045.500	13272.639	CALMAR FM	CALM
4049.500	13285.762	NISKU FM	NIS
4122.000	13523.622	IRETON FM	IRE
4180.000	13713.911	TOTAL DEPTH	TD



Site ID: 137039

Source ID: 00/07-32-045-15W5/2

Latitude: 052.919825

Well Length: 4180.000

Longitude: 116.136564

KB Elevation: 1229.000

Status: Capped Gaswell

Well Name: AMOCO COLUMBIA 7-32-45-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1818.000	5964.567	BELLY RIVER GRP	BR
2152.000	7060.368	LEA PARK FM	LP
2286.500	7501.641	COLORADO GRP	COLO
2554.000	8379.266	CARDIUM FM	CARD
2574.500	8446.522	CARDIUM SD	CARD SD
2617.000	8585.958	FAULT	FLT
2639.000	8658.137	CARDIUM FM	CARD
2657.500	8718.832	CARDIUM SD	CARD SD
2787.500	9145.342	SECOND WHITE SPECKLED S	H2WS
3030.000	9940.945	BASE FISH SCALES ZONE	BFSC
3047.000	9996.720	VIKING FM	VIK
3058.000	10032.809	VIKING SANDSTONE	VIK SS
3070.000	10072.179	JOLI FOU FM	JOLI
3084.000	10118.110	MANNVILLE GRP	MANN
3282.000	10767.717	GLAUCONITIC SS	GLC SS
3296.000	10813.648	LOWER MANNVILLE FM	L MANN
3355.500	11008.858	ELLERSLIE MBR	ELRS
3364.000	11036.746	FERNIE GRP	FERN
3373.000	11066.273	ROCK CREEK MBR	RKCK
3401.000	11158.137	POKER CHIP SH	PK C SH
3414.000	11200.788	NORDEGG MBR	NORD
3464.000	11364.830	ELKTON MBR	ELTN
3486.000	11437.008	SHUNDA FM	SHUN
3559.000	11676.510	PEKISKO FM	PEK
3602.500	11819.227	BANFF FM	BNFF
3759.000	12332.678	EXSHAW FM	EX
3762.000	12342.521	WABAMUN GRP	WAB
3992.500	13098.754	GRAMINIA FM	GRAM
3996.000	13110.236	BLUERIDGE MBR	BLUE
4045.500	13272.639	CALMAR FM	CALM
4049.500	13285.762	NISKU FM	NIS
4122.000	13523.622	IRETON FM	IRE
4180.000	13713.911	TOTAL DEPTH	TD

Site ID: 63185

Source ID: 00/07-05-045-16W5/0

Latitude: 052.847192

Well Length: 2860.000

Longitude: 116.285420

KB Elevation: 1134.700

Status: Capped Gaswell

Well Name: AMOCO ET AL BLACKSTONE 7-5-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1936.500	6353.347	BELLY RIVER GRP	BR
2334.000	7657.480	LEA PARK FM	LP
2473.000	8113.517	COLORADO GRP	COLO
2650.000	8694.226	BADHEART FM	BADH
2744.500	9004.266	CARDIUM FM	CARD
2790.000	9153.544	CARDIUM SD	CARD SD

Site ID: 63186

Source ID: 02/07-05-045-16W5/0

Latitude: 052.847175

Well Length: 4765.000

Longitude: 116.284063

KB Elevation: 1136.900

Status: Flowing Gaswell

Well Name: AMOCO ET AL BLACKSTONE 7-5SH-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2024.000	6640.420	BELLY RIVER GRP	BR
2334.000	7657.480	LEA PARK FM	LP
2743.000	8999.344	CARDIUM FM	CARD
2789.000	9150.263	CARDIUM SD	CARD SD
2830.000	9284.777	BLACKSTONE FM	BKST
3168.500	10395.342	BASE FISH SCALES ZONE	BFSC
3196.000	10485.564	BOW ISLAND SD	BI SS
3226.000	10583.990	MANNVILLE GRP	MANN
3456.500	11340.224	BLUESKY FM	BSK
3466.000	11371.392	GETHING FM	GETH
3576.000	11732.284	CADOMIN FM	CADM
3601.500	11815.945	FERNIE GRP	FERN
3620.000	11876.641	NORDEGG MBR	NORD
3663.000	12017.717	ELKTON MBR	ELTN
3702.500	12147.311	SHUNDA FM	SHUN
3774.000	12381.891	PEKISKO FM	PEK
3820.000	12532.809	BANFF FM	BNFF
3970.000	13024.935	EXSHAW FM	EX
3973.000	13034.777	WABAMUN GRP	WAB
4208.000	13805.774	GRAMINIA FM	GRAM
4218.500	13840.224	BLUERIDGE MBR	BLUE
4357.500	14296.261	WOODBEND GRP	WOOD
4574.000	15006.563	DUVERNAY FM	DUVY
4591.000	15062.337	BEAVERHILL LAKE FM	BH LK
4652.000	15262.468	SWAN HILLS MBR	SW HL

Site ID: 63187

Source ID: 00/11-13-045-16W5/0

Latitude: 052.880952

Well Length: 4205.000

Longitude: 116.191600

KB Elevation: 1155.100

Status: Abandoned

Well Name: AQUIT BLACKSTONE 11-13-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1968.000	6456.693	BELLY RIVER GRP	BR
2247.000	7372.047	WAPIABI FM	WPBI
2440.000	8005.250	FAULT	FLT
2440.300	8006.234	WAPIABI FM	WPBI
2646.000	8681.103	CARDIUM FM	CARD
2687.500	8817.258	CARDIUM SD	CARD SD
2725.000	8940.289	BLACKSTONE FM	BKST
2868.000	9409.449	FAULT	FLT
2868.300	9410.434	CARDIUM SD	CARD SD
2876.000	9435.696	BLACKSTONE FM	BKST
3043.000	9983.596	BASE FISH SCALES ZONE	BFSC
3070.800	10074.804	VIKING SANDSTONE	VIK SS
3083.800	10117.454	JOLI FOU FM	JOLI
3090.000	10137.796	MANNVILLE GRP	MANN
3297.700	10819.226	LLOYDMINSTER MBR	LLYD
3315.000	10875.984	LOWER MANNVILLE FM	L MANN
3388.000	11115.486	FERNIE GRP	FERN
3411.000	11190.945	ROCK CREEK MBR	RKCK
3438.500	11281.168	POKER CHIP SH	PK C SH
3451.900	11325.131	NORDEGG MBR	NORD
3500.000	11482.940	ELKTON MBR	ELTN
3530.000	11581.365	SHUNDA FM	SHUN
3607.000	11833.990	PEKISKO FM	PEK
3648.500	11970.145	BANFF FM	BNFF
3804.500	12481.956	EXSHAW FM	EX
3807.800	12492.782	WABAMUN GRP	WAB
4026.700	13210.958	GRAMINIA FM	GRAM
4037.800	13247.376	BLUERIDGE MBR	BLUE
4082.000	13392.389	CALMAR FM	CALM
4084.000	13398.950	NISKU FM	NIS
4168.500	13676.182	IRETON FM	IRE

Site ID: 160845

Source ID: 00/11-20-045-16W5/0

Latitude: 052.897015

Well Length: 3010.000

Longitude: 116.289242

KB Elevation: 1278.500

Status: Suspended Well

Well Name: HUSKY BLACKSTONE 11-20-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2065.000	6774.935	BELLY RIVER GRP	BR
2401.000	7877.297	LEA PARK FM	LP
2535.000	8316.930	COLORADO GRP	COLO
2812.500	9227.362	CARDIUM FM	CARD
2855.000	9366.798	CARDIUM SD	CARD SD
2890.000	9481.628	BLACKSTONE FM	BKST
3010.000	9875.328	TOTAL DEPTH	TD

Site ID: 63188

Source ID: 00/10-22-045-16W5/0

Latitude: 052.897037

Well Length: 4315.000

Longitude: 116.237114

KB Elevation: 1274.900

Status: Capped Gaswell

Well Name: CANTERRA ETAL BLACKSTONE 10-22-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2022.000	6633.858	BELLY RIVER GRP	BR
2358.000	7736.221	LEA PARK FM	LP
2497.500	8193.897	COLORADO GRP	COLO
2778.000	9114.174	CARDIUM FM	CARD
2816.500	9240.486	CARDIUM SD	CARD SD
3007.500	9867.126	SECOND WHITE SPECKLED S	H2WS
3175.000	10416.667	BASE FISH SCALES ZONE	BFSC
3209.000	10528.216	BLAIRMORE GRP	BL
3538.000	11607.612	ROCK CREEK MBR	RKCK
3563.500	11691.273	POKER CHIP SH	PK C SH
3578.500	11740.486	NORDEGG MBR	NORD
3625.700	11895.342	ELKTON MBR	ELTN
3652.000	11981.628	SHUNDA FM	SHUN
3728.000	12230.972	PEKISKO FM	PEK
3778.000	12395.014	BANFF FM	BNFF
3931.000	12896.982	EXSHAW FM	EX
3934.000	12906.824	WABAMUN GRP	WAB
4137.000	13572.835	WINTERBURN GRP	WINT
4175.000	13697.507	NISKU FM	NIS
4304.500	14122.376	IRETON FM	IRE
4315.000	14156.824	TOTAL DEPTH	TD

Site ID: 63189

Source ID: 00/01-24-045-16W5/0

Latitude: 052.889678

Well Length: 3093.700

Longitude: 116.182775

KB Elevation: 1282.000

Status: Abandoned

Well Name: AQUIT ET AL OWL RIVER 1-24-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2331.100	7647.966	LEA PARK FM	LP
2473.500	8115.158	COLORADO GRP	COLO
2729.500	8955.053	CARDIUM FM	CARD
2769.100	9084.975	CARDIUM SD	CARD SD
2892.600	9490.158	SECOND WHITE SPECKLED S	H2WS

Site ID: 63190

Source ID: 00/01-24-045-16W5/2

Latitude: 052.889678

Well Length: 4922.500

Longitude: 116.182775

KB Elevation: 1282.000

Status: Abandoned

Well Name: AQUIT ET AL OWL RIVER 1-24-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2331.100	7647.966	LEA PARK FM	LP
2473.500	8115.158	COLORADO GRP	COLO
2729.500	8955.053	CARDIUM FM	CARD
2769.100	9084.975	CARDIUM SD	CARD SD
2892.600	9490.158	SECOND WHITE SPECKLED S	H2WS
3156.600	10356.300	BASE FISH SCALES ZONE	BFSC
3186.400	10454.068	VIKING FM	VIK
3208.400	10526.247	MANNVILLE GRP	MANN
3539.400	11612.205	FERNIE GRP	FERN
3556.800	11669.292	NORDEGG MBR	NORD
3605.800	11830.053	ELKTON MBR	ELTN
3630.800	11912.074	SHUNDA FM	SHUN
3704.900	12155.184	PEKISKO FM	PEK
3752.100	12310.040	BANFF FM	BNFF
3910.600	12830.054	EXSHAW FM	EX
3913.400	12839.239	WABAMUN GRP	WAB
4128.300	13544.291	WINTERBURN GRP	WINT
4264.800	13992.126	WOODBEND GRP	WOOD
4474.200	14679.135	DUVERNAY FM	DUVY
4513.800	14809.055	BEAVERHILL LAKE FM	BH LK
4712.300	15460.302	ELK POINT GRP	ELPT
4792.100	15722.113	LYNX GROUP	LYNX
4883.900	16023.294	SULLIVAN FM	SULL
4922.500	16149.935	TOTAL DEPTH	TD



Site ID: 63191

Source ID: 00/10-27-045-16W5/0

Latitude: 052.911510

Well Length: 4708.600

Longitude: 116.234970

KB Elevation: 1248.800

Status: Abandoned

Well Name: ASHLAND ET AL OWL RIVER 10-27-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2097.000	6879.921	BELLY RIVER GRP	BR
2424.100	7953.084	LEA PARK FM	LP
2700.500	8859.908	CARDIUM FM	CARD
2743.800	9001.969	CARDIUM SD	CARD SD
3115.100	10220.145	BASE FISH SCALES ZONE	BFSC
3149.800	10333.990	BLAIRMORE GRP	BL
3497.900	11476.050	FERNIE GRP	FERN
3501.500	11487.861	ROCK CREEK MBR	RKCK
3536.600	11603.020	NORDEGG MBR	NORD
3582.900	11754.921	ELKTON MBR	ELTN
3618.600	11872.048	SHUNDA FM	SHUN
3903.000	12805.118	WABAMUN GRP	WAB
4120.900	13520.014	WINTERBURN GRP	WINT
4169.700	13680.119	NISKU FM	NIS
4183.400	13725.065	IRETON FM	IRE
4471.400	14669.947	DUVERNAY FM	DUVY
4503.400	14774.935	BEAVERHILL LAKE FM	BH LK
4623.800	15169.947	SWAN HILLS MBR	SW HL

Site ID: 63192

Source ID: 02/10-27-045-16W5/0

Latitude: 052.912085

Well Length: 2349.000

Longitude: 116.233772

KB Elevation: 1243.800

Status: Abandoned

Well Name: HUSKY ET AL BLACKSTONE 10-27-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1992.000	6535.433	BELLY RIVER GRP	BR
2220.500	7285.105	BASAL BELLY RIVER SD	BSL BR
2296.000	7532.809	LEA PARK FM	LP
2349.000	7706.693	TOTAL DEPTH	TD

Site ID: 63193

Source ID: 00/10-28-045-16W5/0

Latitude: 052.911271

Well Length: 2870.000

Longitude: 116.258107

KB Elevation: 1265.900

Status: Abandoned

Well Name: DOME ET AL HANLAN 10-28-45-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1998.600	6557.087	BELLY RIVER GRP	BR
2345.900	7696.522	LEA PARK FM	LP
2760.400	9056.431	CARDIUM FM	CARD
2798.700	9182.087	CARDIUM SD	CARD SD
2821.000	9255.250	BLACKSTONE FM	BKST

Site ID: 63194

Source ID: 00/03-12-045-17W5/0

Latitude: 052.861503

Well Length: 4833.000

Longitude: 116.338954

KB Elevation: 1177.300

Status: Abandoned

Well Name: AMOCO BLACKSTONE 3-12-45-17

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2116.000	6942.257	BELLY RIVER GRP	BR
2418.000	7933.071	LEA PARK FM	LP
2552.000	8372.704	COLORADO GRP	COLO
2829.000	9281.496	CARDIUM FM	CARD
2900.000	9514.436	CARDIUM SD	CARD SD
2937.000	9635.827	BLACKSTONE FM	BKST
3182.000	10439.633	BASE FISH SCALES ZONE	BFSC
3284.000	10774.278	VIKING FM	VIK
3342.000	10964.567	MANNVILLE GRP	MANN
3535.000	11597.770	BLUESKY FM	BLSK
3542.000	11620.735	GETHING FM	GETH
3658.000	12001.313	CADOMIN FM	CADM
3687.000	12096.457	FERNIE GRP	FERN
3704.000	12152.231	NORDEGG MBR	NORD
3747.500	12294.948	ELKTON MBR	ELTN
3786.500	12422.900	SHUNDA FM	SHUN
3857.000	12654.200	PEKISKO FM	PEK
3906.000	12814.961	BANFF FM	BNFF
4060.000	13320.210	EXSHAW FM	EX
4063.000	13330.053	WABAMUN GRP	WAB
4293.000	14084.646	GRAMINIA FM	GRAM
4302.000	14114.174	BLUERIDGE MBR	BLUE
4442.000	14573.491	WOODBEND GRP	WOOD
4662.000	15295.276	DUVERNAY FM	DUVY
4679.000	15351.051	BEAVERHILL LAKE FM	BH LK
4737.000	15541.339	SWAN HILLS MBR	SW HL
4797.000	15738.189	ELK POINT GRP	ELPT
4805.000	15764.437	CAMBRIAN SYSTEM	CAMB SYS

Site ID: 63195

Source ID: 00/06-22-045-17W5/0

Latitude: 052.891833

Well Length: 3023.000

Longitude: 116.387499

KB Elevation: 1276.500

Status: Abandoned

Well Name: AMOCO ET AL BLACKSTONE 6-22-45-17

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2147.000	7043.963	BELLY RIVER GRP	BR
2480.000	8136.483	LEA PARK FM	LP
2612.000	8569.554	COLORADO GRP	COLO
2899.000	9511.155	CARDIUM FM	CARD
2946.300	9666.339	CARDIUM SD	CARD SD
2967.500	9735.893	BLACKSTONE FM	BKST

Site ID: 63196

Source ID: 00/10-24-045-17W5/0

Latitude: 052.893756

Well Length: 5334.000

Longitude: 116.331599

KB Elevation: 1228.600

Status: Capped Gaswell

Well Name: AMOCO ET AL OWL RIVER 10-24-45-17

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1950.700	6399.935	BELLY RIVER GRP	BR
2418.600	7935.040	LEA PARK FM	LP
2832.200	9291.995	CARDIUM FM	CARD
2879.100	9445.867	CARDIUM SD	CARD SD
3018.700	9903.871	SECOND WHITE SPECKLED S	H2WS
3249.200	10660.105	BASE FISH SCALES ZONE	BFSC
3277.800	10753.938	VIKING SANDSTONE	VIK SS
3301.900	10833.005	MANNVILLE GRP	MANN
3521.400	11553.149	BLUESKY FM	BLSK
3528.400	11576.115	GETHING FM	GETH
3641.100	11945.867	CADOMIN FM	CADM
3669.200	12038.058	FERNIE GRP	FERN
3687.800	12099.082	NORDEGG MBR	NORD
3732.300	12245.079	ELKTON MBR	ELTN
3768.200	12362.861	SHUNDA FM	SHUN
3841.700	12604.003	PEKISKO FM	PEK
3889.200	12759.843	BANFF FM	BNFF
4041.000	13257.874	WABAMUN GRP	WAB
4264.200	13990.158	GRAMINIA FM	GRAM
4271.800	14015.092	BLUERIDGE MBR	BLUE
4325.100	14189.961	CALMAR FM	CALM
4328.200	14200.133	NISKU FM	NIS
4421.700	14506.891	IRETON FM	IRE
4653.400	15267.061	BEAVERHILL LAKE FM	BH LK
4770.100	15649.936	ELK POINT GRP	ELPT
4849.400	15910.105	LYNX GROUP	LYNX
4982.000	16345.145	ELDON FM	ELDN
5112.400	16772.967	STEPHEN FM	STPH
5190.700	17029.857	CATHEDRAL FM	CATH

Site ID: 63198

Source ID: 00/16-36-045-18W5/0

Latitude: 052.927300

Well Length: 5072.000

Longitude: 116.473028

KB Elevation: 1358.500

Status: Abandoned

Well Name: SHELL BROWN CREEK 16-36-45-18

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
3860.000	12664.042	FERNIE GRP	FERN
3869.000	12693.570	ROCK CREEK MBR	RKCK
3895.000	12778.872	POKER CHIP SH	PK C SH
3918.000	12854.331	NORDEGG MBR	NORD
3965.000	13008.530	TURNER VALLEY FM	TV
4014.000	13169.292	SHUNDA FM	SHUN
4072.000	13359.580	PEKISKO FM	PEK
4123.000	13526.903	BANFF FM	BNFF
4270.000	14009.187	EXSHAW FM	EX
4273.000	14019.029	WABAMUN GRP	WAB
4503.000	14773.622	CALMAR FM	CALM
4508.000	14790.026	NISKU FM	NIS
4656.000	15275.591	IRETON FM	IRE
4860.000	15944.883	DUVERNAY FM	DUVY
4889.000	16040.026	BEAVERHILL LAKE FM	BH LK
4997.000	16394.357	ELK POINT GRP	ELPT
5008.000	16430.447	CAMBRIAN SYSTEM	CAMB SYS
5072.000	16640.420	TOTAL DEPTH	TD

Site ID: 64872

Source ID: 00/07-18-046-14W5/0

Latitude: 052.964417

Well Length: 3900.000

Longitude: 116.015436

KB Elevation: 1142.400

Status: Abandoned

Well Name: DOME HB BRAZR 7-18-46-14

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2098.600	6885.171	BELLY RIVER GRP	BR
2099.000	6886.483	LEA PARK FM	LP
<b>2225.600</b>	<b>7301.838</b>	<b>COLORADO GRP</b>	<b>COLO</b>
2226.000	7303.150	COLORADO GRP	COLO
<b>2479.600</b>	<b>8135.171</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2480.000	8136.483	CARDIUM FM	CARD
<b>2504.600</b>	<b>8217.192</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2505.000	8218.504	CARDIUM SD	CARD SD
<b>2613.600</b>	<b>8574.804</b>	<b>SECOND WHITE SPECK</b>	<b>H2WS</b>
2614.000	8576.116	SECOND WHITE SPECKLED S	H2WS
<b>2802.600</b>	<b>9194.883</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
2803.000	9196.194	BASE FISH SCALES ZONE	BFSC
<b>2831.600</b>	<b>9290.027</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
2832.000	9291.339	VIKING SANDSTONE	VIK SS
<b>2850.600</b>	<b>9352.363</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
2851.000	9353.675	MANNVILLE GRP	MANN
<b>2997.600</b>	<b>9834.646</b>	<b>GLAUCONITIC SS</b>	<b>GLC SS</b>
2998.000	9835.958	GLAUCONITIC SS	GLC SS
<b>3012.600</b>	<b>9883.859</b>	<b>LOWER MANNVILLE FM</b>	<b>L MANN</b>
3013.000	9885.171	LOWER MANNVILLE FM	L MANN
<b>3119.500</b>	<b>10234.580</b>	<b>FERNIE GRP</b>	<b>FERN</b>
3120.000	10236.221	FERNIE GRP	FERN
<b>3128.500</b>	<b>10264.108</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3129.000	10265.748	ROCK CREEK MBR	RKCK
<b>3151.500</b>	<b>10339.567</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
3152.000	10341.208	POKER CHIP SH	PK C SH
<b>3165.000</b>	<b>10383.858</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3165.500	10385.499	NORDEGG MBR	NORD
<b>3210.500</b>	<b>10533.137</b>	<b>ELKTON MBR</b>	<b>ELTN</b>
<b>3210.500</b>	<b>10533.137</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3228.000	10590.552	SHUNDA FM	SHUN
<b>3292.400</b>	<b>10801.837</b>	<b>PEKISKO FM</b>	<b>PEK</b>
3293.000	10803.806	PEKISKO FM	PEK
<b>3336.400</b>	<b>10946.194</b>	<b>BANFF FM</b>	<b>BNFF</b>
3337.000	10948.163	BANFF FM	BNFF
<b>3496.800</b>	<b>11472.441</b>	<b>EXSHAW FM</b>	<b>EX</b>
<b>3498.600</b>	<b>11478.347</b>	<b>WABAMUN GRP</b>	<b>WAB</b>
3501.000	11486.221	WABAMUN GRP	WAB



Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>3720.000</b>	<b>12204.725</b>	<b>GRAMINIA FM</b>	<b>GRAM</b>
3724.000	12217.849	GRAMINIA FM	GRAM
<b>3725.600</b>	<b>12223.098</b>	<b>BLUERIDGE MBR</b>	<b>BLUE</b>
3729.000	12234.252	BLUERIDGE MBR	BLUE
<b>3764.000</b>	<b>12349.082</b>	<b>NISKU FM</b>	<b>NIS</b>
3768.000	12362.205	NISKU FM	NIS
<b>3845.500</b>	<b>12616.471</b>	<b>WOODBEND GRP</b>	<b>WOOD</b>
3849.000	12627.953	WOODBEND GRP	WOOD

Site ID: 64883

Source ID: 00/07-04-046-15W5/0

Latitude: 052.935700

Well Length: 4051.000

Longitude: 116.112382

KB Elevation: 1181.400

Status: Flowing Gaswell

Well Name: AQUIT BRAZR 7-4-46-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1875.000	6151.575	BELLY RIVER GRP	BR
2161.000	7089.895	LEA PARK FM	LP
2285.000	7496.719	COLORADO GRP	COLO
2561.500	8403.872	CARDIUM FM	CARD
2591.000	8500.656	CARDIUM SD	CARD SD
2722.600	8932.415	SECOND WHITE SPECKLED S	H2WS
2944.000	9658.793	BASE FISH SCALES ZONE	BFSC
2971.000	9747.376	VIKING SANDSTONE	VIK SS
2983.500	9788.386	JOLI FOU FM	JOLI
2996.500	9831.037	MANNVILLE GRP	MANN
3284.400	10775.591	ROCK CREEK MBR	RKCK
3311.000	10862.861	POKER CHIP SH	PK C SH
3322.300	10899.935	NORDEGG MBR	NORD
3373.300	11067.258	ELKTON MBR	ELTN
3392.000	11128.609	SHUNDA FM	SHUN
3464.400	11366.142	PEKISKO FM	PEK
3503.500	11494.423	BANFF FM	BNFF
3657.600	12000.001	EXSHAW FM	EX
3664.400	12022.310	WABAMUN GRP	WAB
3881.000	12732.940	GRAMINIA FM	GRAM
3887.000	12752.625	BLUERIDGE MBR	BLUE
3913.800	12840.552	NISKU FM	NIS
4035.000	13238.189	IRETON FM	IFE

Site ID: 160986

Source ID: 00/06-05-046-15W5/0

Latitude: 052.934029

Well Length: 3120.000

Longitude: 116.147158

KB Elevation: 1200.700

Status: Capped Gaswell

Well Name: CANHUNTER ET AL COLUMBIA 6-5-46-15

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1769.600</b>	<b>5805.774</b>	<b>BELLY RIVER GRP</b>	<b>BR</b>
1774.000	5820.210	BELLY RIVER GRP	BR
<b>2045.900</b>	<b>6712.271</b>	<b>BASAL BELLY RIVER SD</b>	<b>BSL BR</b>
2053.000	6735.564	BASAL BELLY RIVER SD	BSL
<b>2065.600</b>	<b>6776.903</b>	<b>LEA PARK FM</b>	<b>LP</b>
2073.000	6801.181	LEA PARK FM	LP
<b>2341.300</b>	<b>7681.431</b>	<b>FAULT</b>	<b>FLT</b>
<b>2341.700</b>	<b>7682.743</b>	<b>LEA PARK FM</b>	<b>LP</b>
2353.000	7719.816	FAULT	FLT
2353.500	7721.457	LEA PARK FM	LP
<b>2582.300</b>	<b>8472.113</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2599.000	8526.903	CARDIUM FM	CARD
<b>2612.500</b>	<b>8571.194</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2629.700	8627.625	CARDIUM SD	CARD SD
<b>2635.100</b>	<b>8645.342</b>	<b>FAULT</b>	<b>FLT</b>
<b>2635.200</b>	<b>8645.669</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2652.700	8703.084	FAULT	FLT
2652.800	8703.412	CARDIUM SD	CARD SD
<b>2658.400</b>	<b>8721.785</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2676.500	8781.168	BLACKSTONE FM	BKST
<b>2766.700</b>	<b>9077.100</b>	<b>FAULT</b>	<b>FLT</b>
<b>2766.800</b>	<b>9077.429</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2786.900	9143.373	FAULT	FLT
2787.000	9143.701	BLACKSTONE FM	BKST
<b>2991.300</b>	<b>9813.977</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
3016.400	9896.325	BASE FISH SCALES ZONE	BFSC
<b>3019.800</b>	<b>9907.480</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
<b>3031.900</b>	<b>9947.179</b>	<b>JOLI FOU FM</b>	<b>JOLI</b>
<b>3038.800</b>	<b>9969.816</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
3045.600	9992.127	VIKING SANDSTONE	VIK SS
3058.000	10032.809	JOLI FOU FM	JOLI
3065.000	10055.774	MANNVILLE GRP	MANN
<b>3090.800</b>	<b>10140.421</b>	<b>TOTAL DEPTH</b>	<b>TD</b>
3120.000	10236.221	TOTAL DEPTH	TD

Site ID: 64884

Source ID: 00/06-06-046-15W5/0

Latitude: 052.935744

Well Length: 4195.000

Longitude: 116.169431

KB Elevation: 1236.800

Status: Flowing Gaswell

Well Name: AQUIT ET AL OWL RIVER 6-6-46-15

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1788.500</b>	<b>5867.782</b>	<b>BELLY RIVER GRP</b>	<b>BR</b>
1789.000	5869.423	BELLY RIVER GRP	BR
<b>2192.400</b>	<b>7192.913</b>	<b>LEA PARK FM</b>	<b>LP</b>
2193.000	7194.882	LEA PARK FM	LP
<b>2313.900</b>	<b>7591.535</b>	<b>COLORADO GRP</b>	<b>COLO</b>
2314.500	7593.504	COLORADO GRP	COLO
<b>2589.100</b>	<b>8494.423</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2590.000	8497.376	CARDIUM FM	CARD
<b>2610.600</b>	<b>8564.961</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2611.500	8567.914	CARDIUM SD	CARD SD
<b>2809.900</b>	<b>9218.832</b>	<b>SECOND WHITE SPECK</b>	<b>H2WS</b>
2811.000	9222.441	SECOND WHITE SPECK	H2WS
<b>3049.300</b>	<b>10004.266</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
3050.500	10008.202	BASE FISH SCALES ZONE	BFSC
<b>3077.600</b>	<b>10097.113</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
3079.000	10101.706	VIKING SANDSTONE	VIK SS
<b>3120.100</b>	<b>10236.549</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
3121.500	10241.142	MANNVILLE GRP	MANN
<b>3303.000</b>	<b>10836.614</b>	<b>GLAUCONITIC SS</b>	<b>GLC SS</b>
3304.500	10841.536	GLAUCONITIC SS	GLC SS
<b>3390.500</b>	<b>11123.688</b>	<b>FERNIE GRP</b>	<b>FERN</b>
3392.000	11128.609	FERNIE GRP	FERN
<b>3404.500</b>	<b>11169.620</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3406.000	11174.541	ROCK CREEK MBR	RKCK
<b>3427.500</b>	<b>11245.079</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
3429.000	11250.000	POKER CHIP SH	PK C SH
<b>3440.500</b>	<b>11287.730</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3442.000	11292.651	NORDEGG MBR	NORD
<b>3490.500</b>	<b>11451.772</b>	<b>ELKTON MBR</b>	<b>ELTN</b>
3492.000	11456.693	ELKTON MBR	ELTN
<b>3513.500</b>	<b>11527.231</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3515.000	11532.152	SHUNDA FM	SHUN
<b>3587.400</b>	<b>11769.686</b>	<b>PEKISKO FM</b>	<b>PEK</b>
3589.000	11774.935	PEKISKO FM	PEK
<b>3635.100</b>	<b>11926.182</b>	<b>BANFF FM</b>	<b>BNFF</b>
3637.000	11932.415	BANFF FM	BNFF
<b>3792.200</b>	<b>12441.602</b>	<b>EXSHAW FM</b>	<b>EX</b>
3794.500	12449.147	EXSHAW FM	EX

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>3794.700</b>	<b>12449.804</b>	<b>WABAMUN GRP</b>	<b>WAB</b>
3797.000	12457.350	WABAMUN GRP	WAB
<b>4013.500</b>	<b>13167.651</b>	<b>GRAMINIA FM</b>	<b>GRAM</b>
4018.000	13182.415	GRAMINIA FM	GRAM
<b>4019.500</b>	<b>13187.336</b>	<b>BLUERIDGE MBR</b>	<b>BLUE</b>
4024.000	13202.101	BLUERIDGE MBR	BLUE
<b>4067.800</b>	<b>13345.801</b>	<b>NISKU FM</b>	<b>NIS</b>
<b>4070.000</b>	<b>13353.019</b>	<b>CALMAR FM</b>	<b>CALM</b>
4073.000	13362.861	NISKU FM	NIS
<b>4165.800</b>	<b>13667.322</b>	<b>IRETON FM</b>	<b>IRE</b>
4167.500	13672.900	IRETON FM	IRE

Site ID: 160987

Source ID: 00/15-09-046-15W5/0

Latitude: 052.954872

Well Length: 3353.000

Longitude: 116.112658

KB Elevation: 1178.400

Status: Capped Gaswell

Well Name: PCI COLUMBIA 15-9-46-15

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1856.200</b>	<b>6089.895</b>	<b>BELLY RIVER GRP</b>	<b>BR</b>
1861.000	6105.643	BELLY RIVER GRP	BR
<b>2132.700</b>	<b>6997.047</b>	<b>BASAL BELLY RIVER SD</b>	<b>BSL BR</b>
2138.000	7014.436	BASAL BELLY RIVER SD	BSL BR
<b>2150.100</b>	<b>7054.134</b>	<b>LEA PARK FM</b>	<b>LP</b>
2155.500	7071.851	LEA PARK FM	LP
<b>2337.900</b>	<b>7670.275</b>	<b>COLORADO GRP</b>	<b>COLO</b>
2345.000	7693.570	COLORADO GRP	COLO
<b>2542.800</b>	<b>8342.521</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2559.000	8395.670	CARDIUM FM	CARD
<b>2568.000</b>	<b>8425.197</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2582.000	8471.129	CARDIUM SD	CARD SD
<b>2617.300</b>	<b>8586.942</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2633.000	8638.452	BLACKSTONE FM	BKST
<b>2918.300</b>	<b>9574.476</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
<b>2944.200</b>	<b>9659.449</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
2944.600	9660.762	BASE FISH SCALES ZONE	BFSC
<b>2953.100</b>	<b>9688.648</b>	<b>JOLI FOU FM</b>	<b>JOLI</b>
<b>2958.900</b>	<b>9707.677</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
2971.700	9749.672	VIKING SANDSTONE	VIK SS
2983.000	9786.746	JOLI FOU FM	JOLI
2989.000	9806.431	MANNVILLE GRP	MANN
<b>3165.100</b>	<b>10384.187</b>	<b>GETHING FM</b>	<b>GETH</b>
3200.500	10500.328	GETHING FM	GETH
<b>3239.600</b>	<b>10628.609</b>	<b>FERNIE GRP</b>	<b>FERN</b>
<b>3253.500</b>	<b>10674.213</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3278.000	10754.594	FERNIE GRP	FERN
<b>3279.700</b>	<b>10760.171</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
<b>3292.400</b>	<b>10801.837</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3292.500	10802.166	ROCK CREEK MBR	RKCK
3320.000	10892.389	POKER CHIP SH	PK C SH
3333.300	10936.024	NORDEGG MBR	NORD
<b>3353.000</b>	<b>11000.656</b>	<b>TOTAL DEPTH</b>	<b>TD</b>

Site ID: 64885

Source ID: 00/14-13-046-15W5/0

Latitude: 052.970722

Well Length: 625.000

Longitude: 116.047254

KB Elevation: 1146.700

Status: Abandoned

Well Name: PCP ET AL BRAZEAU RIVER 14-13-46-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
73.000	239.501	BASE OF DRIFT	BS DRIFT
74.000	242.782	PASKAPOO FM	PASK

Site ID: 64886

Source ID: 00/02-15-046-15W5/0

Latitude: 052.963182

Well Length: 4060.000

Longitude: 116.091040

KB Elevation: 1224.400

Status: Abandoned

Well Name: AQUIT BLACKSTONE 2-15-46-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1824.000	5984.252	BELLY RIVER GRP	BR
2130.500	6989.830	LEA PARK FM	LP
2259.500	7413.058	COLORADO GRP	COLO
2525.300	8285.105	CARDIUM FM	CARD
2705.000	8874.672	SECOND WHITE SPECKLED S	H2WS
2943.000	9655.512	BASE FISH SCALES ZONE	BFSC
2971.000	9747.376	VIKING SANDSTONE	VIK SS
2982.000	9783.465	JOLI FOU FM	JOLI
2989.000	9806.431	MANNVILLE GRP	MANN
3278.000	10754.594	ROCK CREEK MBR	RKCK
3305.300	10844.160	POKER CHIP SH	PK C SH
3318.000	10885.827	NORDEGG MBR	NORD
3366.400	11044.619	ELKTON MBR	ELTN
3386.000	11108.924	SHUNDA FM	SHUN
3455.300	11336.286	PEKISKO FM	PEK
3500.000	11482.940	BANFF FM	BNFF
3660.700	12010.171	EXSHAW FM	EX
3663.200	12018.373	WABAMUN GRP	WAB
3878.800	12725.723	GRAMINIA FM	GRAM
3884.500	12744.423	BLUERIDGE MBR	BLUE
3928.500	12888.780	CALMAR FM	CALM
3934.300	12907.809	NISKU FM	NIS
4024.500	13203.740	IRETON FM	IRE



Site ID: 160988

Source ID: 00/14-24-046-15W5/0

Latitude: 052.985951

Well Length: 3769.000

Longitude: 116.044816

KB Elevation: 1114.800

Status: Capped Gaswell

Well Name: AMOCO ET AL BRAZR 14-24-46-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1748.500	5736.549	BELLY RIVER GRP	BR
2031.500	6665.026	BASAL BELLY RIVER SD	BSL BR
2045.500	6710.958	LEA PARK FM	LP
2417.500	7931.431	CARDIUM FM	CARD
2462.500	8079.068	CARDIUM SD	CARD SD
2513.000	8244.751	BLACKSTONE FM	BKST
2775.800	9106.956	BASE FISH SCALES ZONE	BFSC
2801.000	9189.633	VIKING SANDSTONE	VIK SS
2815.300	9236.549	JOLI FOU FM	JOLI
2820.500	9253.609	MANNVILLE GRP	MANN
3001.000	9845.801	BLUESKY FM	BLSK
3024.500	9922.900	GETHING FM	GETH
3085.000	10121.392	FERNIE GRP	FERN
3099.000	10167.323	ROCK CREEK MBR	RKCK
3133.000	10278.872	POKER CHIP SH	PK C SH
3143.000	10311.680	NORDEGG MBR	NORF
3190.400	10467.191	ELKTON MBR	ELTN
3204.000	10511.812	SHUNDA FM	SHUN
3267.300	10719.488	PEKISKO FM	PEK
3314.000	10872.704	BANFF FM	BNFF
3471.500	11389.437	EXSHAW FM	EX
3473.600	11396.326	WABAMUN GRP	WAB
3691.000	12109.580	GRAMINIA FM	GRAM
3695.000	12122.704	BLUERIDGE MBR	BLUE
3724.000	12217.849	CALMAR FM	CALM
3731.500	12242.454	NISKU FM	NIS
3769.000	12365.486	TOTAL DEPTH	TD

Site ID: 64887

Source ID: 00/08-26-046-15W5/0

Latitude: 052.993795

Well Length: 3860.000

Longitude: 116.057676

KB Elevation: 1094.800

Status: Flowing Gaswell

Well Name: AQUIT BRAZR 8-26-46-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1573.000	5160.761	BELLY RIVER GRP	BR
2022.000	6633.858	LEA PARK FM	LP
2147.500	7045.604	COLORADO GRP	COLO
2425.000	7956.037	CARDIUM FM	CARD
2601.000	8533.465	SECOND WHITE SPECKLED S	H2WS
2749.500	9020.670	BASE FISH SCALES ZONE	BFSC
2775.000	9104.331	MANNVILLE GRP	MANN
2973.000	9753.938	GLAUCONITIC SS	GLC SS
3072.500	10080.381	ROCK CREEK MBR	RKCK
3101.000	10173.885	POKER CHIP SH	PK C SH
3116.000	10223.098	NORDEGG MBR	NORD
3164.000	10380.578	ELKTON MBR	ELTN
3177.500	10424.869	SHUNDA FM	SHUN
3244.000	10643.045	PEKISKO FM	PEK
3287.500	10785.762	BANFF FM	BNFF
3442.500	11294.292	EXSHAW FM	EX
3445.000	11302.494	WABAMUN GRP	WAB
3659.500	12006.234	GRAMINIA FM	GRAM
3663.000	12017.717	BLUERIDGE MBR	BLUE
3693.000	12116.143	NISKU FM	NIS
3807.500	12491.798	IRETON FM	IRE

Site ID: 64888

Source ID: 00/10-27-046-15W5/0

Latitude: 052.998919

Well Length: 2493.000

Longitude: 116.087824

KB Elevation: 1110.300

Status: Abandoned

Well Name: GULF ET AL BRAZR 10-27-46-15

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1998.000	6555.118	WAPIABI FM	WPBI
2422.000	7946.194	CARDIUM FM	CARD
2453.000	8047.900	CARDIUM SD	CARD SD
2484.500	8151.247	BLACKSTONE FM	BKST

Site ID: 137229

Source ID: 00/07-07-046-16W5/0

Latitude: 052.951410

Well Length: 4735.000

Longitude: 116.304269

KB Elevation: 1284.800

Status: Capped Gaswell

Well Name: AMOCO COLUMBIA 7-7-46-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1974.000	6476.378	BELLY RIVER GRP	BR
2276.000	7467.192	LEA PARK FM	LP
2423.500	7951.116	COLORADO GRP	COLO
2731.000	8959.974	CARDIUM FM	CARD
2772.000	9094.488	CARDIUM SD	CARD SD
3027.000	9931.103	SECOND WHITE SPECKLED S	H2WS
3170.000	10400.263	BASE FISH SCALES ZONE	BFSC
3203.500	10510.171	VIKING SANDSTONE	VIK SS
3227.000	10587.271	JOLI FOU FM	JOLI
3231.500	10602.034	MANNVILLE GRP	MANN
3456.000	11338.583	GLAUCONITIC SS	GLC SS
3461.000	11354.987	LOWER MANNVILLE FM	L MANN
3475.500	11402.560	ELLERSLIE MBR	ELRS
3553.500	11658.465	FERNIE GRP	FERN
3563.500	11691.273	ROCK CREEK MBR	RKCK
3591.000	11781.496	POKER CHIP SH	PK C SH
3608.000	11837.271	NORDEGG MBR	NORD
3655.700	11993.767	ELKTON MBR	ELTN
3689.000	12103.019	SHUNDA FM	SHUN
3760.000	12335.958	PEKISKO FM	PEK
3806.000	12486.877	BANFF FM	BNFF
3952.500	12967.521	EXSHAW FM	EX
3955.500	12977.362	WABAMUN GRP	WAB
4185.500	13731.956	GRAMINIA FM	GRAM
4195.000	13763.124	BLUERIDGE MBR	BLUE
4242.000	13917.323	CALMAR FM	CALM
4244.000	13923.885	NISKU FM	NIS
4339.000	14235.564	IRETON FM	IRE
4534.000	14875.328	DUVERNAY FM	DUVY
4569.000	14990.158	BEAVERHILL LAKE FM	BH LK
4702.000	15426.510	ELK POINT GRP	ELPT
4735.000	15534.777	TOTAL DEPTH	TD

Site ID: 64890

Source ID: 00/06-10-046-16W5/0

Latitude: 052.948669

Well Length: 5232.000

Longitude: 116.242561

KB Elevation: 1308.700

Status: Flowing Gaswell

Well Name: AQUIT OWL RIVER 6-10-46-16

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>2194.800</b>	<b>7200.788</b>	<b>LEA PARK FM</b>	<b>LP</b>
2195.000	7201.444	LEA PARK FM	LP
<b>2339.700</b>	<b>7676.181</b>	<b>COLORADO GRP</b>	<b>COLO</b>
2340.000	7677.166	COLORADO GRP	COLO
<b>2614.700</b>	<b>8578.412</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2615.300	8580.381	CARDIUM FM	CARD
<b>2644.800</b>	<b>8677.166</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2645.500	8679.462	CARDIUM SD	CARD SD
<b>2669.300</b>	<b>8757.546</b>	<b>FAULT</b>	<b>FLT</b>
<b>2669.400</b>	<b>8757.874</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2670.000	8759.843	FAULT	FLT
2670.100	8760.171	CARDIUM FM	CARD
<b>2704.200</b>	<b>8872.048</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2705.000	8874.672	CARDIUM SD	CARD SD
<b>2739.200</b>	<b>8986.877</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2740.000	8989.502	BLACKSTONE FM	BKST
<b>2963.800</b>	<b>9723.754</b>	<b>SECOND WHITE SPECK</b>	<b>H2WS</b>
2965.000	9727.690	SECOND WHITE SPECK	H2WS
<b>3164.800</b>	<b>10383.202</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
3166.500	10388.780	BASE FISH SCALES ZONE	BFSC
<b>3191.300</b>	<b>10470.145</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
3193.000	10475.722	VIKING SANDSTONE	VIK SS
<b>3208.300</b>	<b>10525.919</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
3210.000	10531.496	MANNVILLE GRP	MANN
<b>3409.700</b>	<b>11186.680</b>	<b>GETHING FM</b>	<b>GETH</b>
3419.000	11217.192	GETHING FM	GETH
<b>3498.700</b>	<b>11478.675</b>	<b>FERNIE GRP</b>	<b>FERN</b>
3508.000	11509.187	FERNIE GRP	FERN
<b>3510.700</b>	<b>11518.045</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3520.000	11548.557	ROCK CREEK MBR	RKCK
<b>3536.700</b>	<b>11603.347</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
3546.000	11633.858	POKER CHIP SH	PK C SH
<b>3552.200</b>	<b>11654.199</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3561.500	11684.712	NORDEGG MBR	NORD
<b>3600.700</b>	<b>11813.320</b>	<b>ELKTON MBR</b>	<b>ELTN</b>
3610.000	11843.832	ELKTON MBR	ELTN
<b>3629.700</b>	<b>11908.465</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3639.000	11938.977	SHUNDA FM	SHUN

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
3699.200	12136.483	PEKISKO FM	PEK
3708.500	12166.995	PEKISKO FM	PEK
3748.100	12296.917	BANFF FM	BNFF
3757.500	12327.756	BANFF FM	BNFF
3898.500	12790.354	EXSHAW FM	EX
3908.000	12821.522	EXSHAW FM	EX
3908.000	12821.522	WABAMUN GRP	WAB
3917.500	12852.690	WABAMUN GRP	WAB
4130.000	13549.869	GRAMINIA FM	GRAM
4134.800	13565.616	BLUERIDGE MBR	BLUE
4139.700	13581.694	GRAMINIA FM	GRAM
4144.500	13597.441	BLUERIDGE MBR	BLUE
4184.300	13728.019	CALMAR FM	CALM
4194.000	13759.843	CALMAR FM	CALM
4241.300	13915.026	NISKU FM	NIS
4251.000	13946.851	NISKU FM	NIS
4273.300	14020.013	IRETON FM	IRE
4283.000	14051.838	IRETON FM	IRE
4480.300	14699.146	DUVERNAY FM	DUVY
4490.000	14730.972	DUVERNAY FM	DUVY
4515.300	14813.977	BEAVERHILL LAKE FM	BH LK
4525.000	14845.801	BEAVERHILL LAKE FM	BH LK
4645.300	15240.485	ELK POINT GRP	ELPT
4655.000	15272.311	ELK POINT GRP	ELPT
4667.300	15312.664	LYNX GROUP	LYNX
4677.000	15344.488	LYNX GROUP	LYNX
4725.300	15502.952	SULLIVAN FM	SULL
4735.000	15534.777	SULLIVAN FM	SULL
4798.300	15742.454	PIKA FM	PIKA
4808.000	15774.278	PIKA FM	PIKA
4882.800	16019.685	ELDON FM	ELDN
4892.500	16051.510	ELDON FM	ELDN
4995.000	16387.795	STEPHEN FM	STPH
5071.000	16637.139	CATHEDRAL FM	CATH
5201.000	17063.648	BASAL SANDSTONE UNIT	BSL SS

Site ID: 160989

Source ID: 00/04-13-046-16W5/0

Latitude: 052.963100

Well Length: 3080.000

Longitude: 116.195802

KB Elevation: 1209.200

Status: Capped Gaswell

Well Name: CANHUNTER COLUMBIA 4-13-46-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1803.000	5915.354	BELLY RIVER GRP	BR
2100.000	6889.764	WAPIABI FM	WPBI
2258.000	7408.137	FAULT	FLT
2259.000	7411.417	WAPIABI FM	WPBI
2614.500	8577.756	CARDIUM FM	CARD
2642.000	8667.979	CARDIUM SD	CARD SD
3012.000	9881.890	BASE FISH SCALES ZONE	BFSC
3038.000	9967.192	VIKING SANDSTONE	VIK SS
3050.000	10006.562	JOLI FOU FM	JOLI
3055.000	10022.966	MANNVILLE GRP	MANN
3080.000	10104.987	TOTAL DEPTH	TD

Site ID: 64891

Source ID: 00/09-20-046-16W5/0

Latitude: 052.984655

Well Length: 4342.500

Longitude: 116.281077

KB Elevation: 1310.600

Status: Flowing Gaswell

Well Name: CANTERRA ET AL PECO 9-20-46-16

**NOTE: Data lines, in 'bold text', represent true vertical depths.**

Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1940.200</b>	<b>6365.486</b>	<b>BELLY RIVER GRP</b>	<b>BR</b>
1945.500	6382.874	BELLY RIVER GRP	BR
<b>2344.400</b>	<b>7691.601</b>	<b>LEA PARK FM</b>	<b>LP</b>
2359.500	7741.142	LEA PARK FM	LP
<b>2465.200</b>	<b>8087.927</b>	<b>COLORADO GRP</b>	<b>COLO</b>
2482.000	8143.045	COLORADO GRP	COLO
<b>2746.300</b>	<b>9010.171</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2770.000	9087.927	CARDIUM FM	CARD
<b>2776.500</b>	<b>9109.252</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2801.000	9189.633	CARDIUM SD	CARD SD
<b>2890.100</b>	<b>9481.956</b>	<b>SECOND WHITE SPECK</b>	<b>H2WS</b>
2917.000	9570.210	SECOND WHITE SPECK	H2WS
<b>3127.100</b>	<b>10259.515</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
<b>3153.800</b>	<b>10347.113</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
3156.500	10355.972	BASE FISH SCALES ZONE	BFSC
<b>3173.700</b>	<b>10412.401</b>	<b>JOLI FOU FM</b>	<b>JOLI</b>
<b>3178.200</b>	<b>10427.166</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
3183.500	10444.554	VIKING SANDSTONE	VIK SS
3203.500	10510.171	JOLI FOU FM	JOLI
3208.000	10524.935	MANNVILLE GRP	MANN
<b>3493.900</b>	<b>11462.927</b>	<b>FERNIE GRP</b>	<b>FERN</b>
<b>3505.400</b>	<b>11500.656</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3524.500	11563.320	FERNIE GRP	FERN
<b>3530.400</b>	<b>11582.677</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
3536.000	11601.050	ROCK CREEK MBR	RKCK
<b>3548.400</b>	<b>11641.732</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3561.000	11683.071	POKER CHIP SH	PK C SH
3579.000	11742.126	NORDEGG MBR	NORD
<b>3596.000</b>	<b>11797.900</b>	<b>ELKTON MBR</b>	<b>ELTN</b>
3627.000	11899.606	ELKTON MBR	ELTN
<b>3627.300</b>	<b>11900.591</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3658.000	12001.313	SHUNDA FM	SHUN
<b>3698.200</b>	<b>12133.202</b>	<b>PEKISKO FM</b>	<b>PEK</b>
3729.000	12234.252	PEKISKO FM	PEK
<b>3744.600</b>	<b>12285.434</b>	<b>BANFF FM</b>	<b>BNFF</b>
3775.500	12386.812	BANFF FM	BNFF
<b>3896.000</b>	<b>12782.152</b>	<b>EXSHAW FM</b>	<b>EX</b>
<b>3898.500</b>	<b>12790.354</b>	<b>WABAMUN GRP</b>	<b>WAB</b>



Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
3927.000	12883.858	EXSHAW FM	EX
3929.500	12892.061	WABAMUN GRP	WAB
<b>4121.300</b>	<b>13521.325</b>	<b>GRAMINIA FM</b>	<b>GRAM</b>
<b>4124.300</b>	<b>13531.168</b>	<b>BLUERIDGE MBR</b>	<b>BLUE</b>
4152.500	13623.688	GRAMINIA FM	GRAM
4155.500	13633.530	BLUERIDGE MBR	BLUE
<b>4173.800</b>	<b>13693.569</b>	<b>NISKU FM</b>	<b>NIS</b>
4205.000	13795.933	NISKU FM	NIS
<b>4270.300</b>	<b>14010.171</b>	<b>IRETON FM</b>	<b>IRE</b>
4301.500	14112.533	IRETON FM	IRE

Site ID: 64892

Source ID: 00/07-24-046-16W5/0

Latitude: 052.978690

Well Length: 3045.000

Longitude: 116.186588

KB Elevation: 1196.900

Status: Abandoned

Well Name: CANTERRA COLUMBIA 7-24-46-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1900.000	6233.596	BELLY RIVER GRP	BR
2217.000	7273.622	LEA PARK FM	LP
2339.000	7673.885	COLORADO GRP	COLO
2499.500	8200.460	BADHEART FM	BADH
2597.000	8520.342	CARDIUM FM	CARD
2620.000	8595.801	CARDIUM SD	CARD SD
2666.500	8748.359	BLACKSTONE FM	BKST
2809.000	9215.880	SECOND WHITE SPECKLED S	H2WS
2969.000	9740.813	BASE FISH SCALES ZONE	BFSC
2998.000	9835.958	VIKING SANDSTONE	VIK SS
3009.000	9872.048	JOLI FOU FM	JOLI
3015.000	9891.732	MANNVILLE GRP	MANN
3045.000	9990.158	TOTAL DEPTH	TD

Site ID: 64893

Source ID: 00/06-27-046-16W5/0

Latitude: 052.993694

Well Length: 3596.000

Longitude: 116.241674

KB Elevation: 1323.500

Status: Abandoned

Well Name: GULF COLUMBIA 6-27-46-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1872.500	6143.373	BELLY RIVER GRP	BR
2190.000	7185.040	LEA PARK FM	LP
2333.500	7655.840	COLORADO GRP	COLO
2735.000	8973.098	CARDIUM FM	CARD
2754.000	9035.434	CARDIUM SD	CARD SD
2870.000	9416.011	SECOND WHITE SPECKLED S	H2WS
3126.000	10255.906	BASE FISH SCALES ZONE	BFSC
3146.000	10321.522	VIKING FM	VIK
3152.000	10341.208	VIKING SANDSTONE	VIK SS
3166.000	10387.140	JOLI FOU FM	JOLI
3172.000	10406.824	MANNVILLE GRP	MANN
3361.500	11028.544	GLAUCONITIC SS	GLC SS
3387.500	11113.846	LOWER MANNVILLE FM	L MANN
3470.000	11384.515	FERNIE GRP	FERN
3481.000	11420.604	ROCK CREEK MBR	RKCK
3504.000	11496.063	POKER CHIP SH	PK C SH
3520.000	11548.557	NORDEGG MBR	NORD
3569.000	11709.318	ELKTON MBR	ELTN
3596.000	11797.900	TOTAL DEPTH	TD

Site ID: 64894

Source ID: 00/06-27-046-16W5/2

Latitude: 052.993694

Well Length: 3596.000

Longitude: 116.241674

KB Elevation: 1323.500

Status: Capped Gaswell

Well Name: GULF COLUMBIA 6-27-46-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
1872.500	6143.373	BELLY RIVER GRP	BR
2190.000	7185.040	LEA PARK FM	LP
2333.500	7655.840	COLORADO GRP	COLO
2735.000	8973.098	CARDIUM FM	CARD
2754.000	9035.434	CARDIUM SD	CARD SD
2870.000	9416.011	SECOND WHITE SPECKLED S	H2WS
3126.000	10255.906	BASE FISH SCALES ZONE	BFSC
3146.000	10321.522	VIKING FM	VIK
3152.000	10341.208	VIKING SANDSTONE	VIK SS
3166.000	10387.140	JOLI FOU FM	JOLI
3172.000	10406.824	MANNVILLE GRP	MANN
3361.500	11028.544	GLAUCONITIC SS	GLC SS
3387.500	11113.846	LOWER MANNVILLE FM	L MANN
3470.000	11384.515	FERNIE GRP	FERN
3481.000	11420.604	ROCK CREEK MBR	RKCK
3504.000	11496.063	POKER CHIP SH	PK C SH
3520.000	11548.557	NORDEGG MBR	NORD
3569.000	11709.318	ELKTON MBR	ELTN
3596.000	11797.900	TOTAL DEPTH	TD

Site ID: 64895

Source ID: 00/06-29-046-16W5/0

Latitude: 052.995542

Well Length: 4682.000

Longitude: 116.290527

KB Elevation: 1316.400

Status: Abandoned

Well Name: GULF DOME PECO 6-29-46-16

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2354.900	7726.050	LEA PARK FM	LP
2490.800	8171.917	COLORADO GRP	COLO
2759.400	9053.149	CARDIUM FM	CARD
2791.700	9159.121	CARDIUM SD	CARD SD
2912.100	9554.135	SECOND WHITE SPECKLED S	H2WS
3171.100	10403.872	BASE FISH SCALES ZONE	BFSC
3197.000	10488.846	VIKING FM	VIK
3223.300	10575.132	BLAIRMORE GRP	BL
3410.700	11189.961	BLUESKY FM	BLSK
3417.400	11211.942	GETHING FM	GETH
3503.400	11494.095	FERNIE GRP	FERN
3530.200	11582.021	ROCK CREEK MBR	RKCK
3556.100	11666.995	POKER CHIP SH	PK C SH
3573.500	11724.082	NORDEGG MBR	NORD
3621.900	11882.874	ELKTON MBR	ELTN
3646.600	11963.911	SHUNDA FM	SHUN
3724.000	12217.849	PEKISKO FM	PEK
3768.500	12363.846	BANFF FM	BNFF
3920.600	12862.861	EXSHAW FM	EX
3923.700	12873.032	WABAMUN GRP	WAB
4146.800	13604.986	GRAMINIA FM	GRAM
4151.400	13620.079	BLUERIDGE MBR	BLUE
4201.700	13785.106	CALMAR FM	CALM
4203.200	13790.027	NISKU FM	NIS
4294.000	14087.927	IRETON FM	IRE
4529.300	14859.908	BEAVERHILL LAKE FM	BH LK
4654.900	15271.981	ELK POINT GRP	ELPT
4676.900	15344.160	LYNX GROUP	LYNX

Site ID: 64906

Source ID: 00/06-03-046-17W5/0

Latitude: 052.935533

Well Length: 4862.200

Longitude: 116.385952

KB Elevation: 1306.700

Status: Capped Gaswell

Well Name: AMOCO ET AL OWL RIVER 6-3-46-17

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1964.500</b>	<b>6445.210</b>	<b>BELLY RIVER GRP</b>	<b>BR</b>
1964.900	6446.522	BELLY RIVER GRP	BR
<b>2406.900</b>	<b>7896.653</b>	<b>LEA PARK FM</b>	<b>LP</b>
2407.300	7897.966	LEA PARK FM	LP
<b>2719.400</b>	<b>8921.916</b>	<b>COLORADO GRP</b>	<b>COLO</b>
2720.100	8924.213	COLORADO GRP	COLO
<b>2829.200</b>	<b>9282.152</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2830.200	9285.434	CARDIUM FM	CARD
<b>2916.100</b>	<b>9567.258</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2917.200	9570.866	BLACKSTONE FM	BKST
<b>3281.300</b>	<b>10765.421</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
3282.700	10770.014	BASE FISH SCALES ZONE	BFSC
<b>3305.300</b>	<b>10844.160</b>	<b>BOW ISLAND FM</b>	<b>BI</b>
3306.800	10849.082	BOW ISLAND FM	BI
<b>3345.700</b>	<b>10976.706</b>	<b>BLAIRMORE GRP</b>	<b>BL</b>
3347.300	10981.956	BLAIRMORE GRP	BL
<b>3547.400</b>	<b>11638.451</b>	<b>BLUESKY FM</b>	<b>BLSK</b>
3549.100	11644.029	BLUESKY FM	BLSK
<b>3660.000</b>	<b>12007.874</b>	<b>FERNIE GRP</b>	<b>FERN</b>
3661.600	12013.124	FERNIE GRP	FERN
<b>3663.200</b>	<b>12018.373</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3666.400	12028.871	ROCK CREEK MBR	RKCK
<b>3695.300</b>	<b>12123.688</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
3696.900	12128.938	POKER CHIP SH	PK C SH
<b>3726.400</b>	<b>12225.722</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3728.000	12230.972	NORDEGG MBR	NORD
<b>3769.400</b>	<b>12366.798</b>	<b>ELKTON MBR</b>	<b>ELTN</b>
3771.000	12372.048	ELKTON MBR	ELTN
<b>3806.400</b>	<b>12488.189</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3808.100	12493.768	SHUNDA FM	SHUN
<b>3876.600</b>	<b>12718.505</b>	<b>PEKISKO FM</b>	<b>PEK</b>
3878.300	12724.082	PEKISKO FM	PEK
<b>3926.700</b>	<b>12882.874</b>	<b>BANFF FM</b>	<b>BNFF</b>
3928.500	12888.780	BANFF FM	BNFF
<b>4073.900</b>	<b>13365.813</b>	<b>EXSHAW FM</b>	<b>EX</b>
4076.400	13374.016	EXSHAW FM	EX
<b>4079.400</b>	<b>13383.858</b>	<b>WABAMUN GRP</b>	<b>WAB</b>
4081.900	13392.061	WABAMUN GRP	WAB

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
4316.200	14160.763	WINTERBURN GRP	WINT
4319.900	14172.900	GRAMINIA FM	GRAM
4325.400	14190.945	BLUERIDGE MBR	BLUE
4328.800	14202.100	BLUERIDGE MBR	BLUE
4374.200	14351.051	CALMAR FM	CALM
4377.000	14360.236	NISKU FM	NIS
4377.800	14362.860	CALMAR FM	CALM
4380.600	14372.048	NISKU FM	NIS
4471.200	14669.292	IRETON FM	IRE
4475.100	14682.088	IRETON FM	IRE
4667.100	15312.009	DUVERNAY FM	DUVY
4713.400	15463.911	BEAVERHILL LAKE FM	BH LK
4717.700	15478.020	BEAVERHILL LAKE FM	BH LK
4752.400	15591.863	SWAN HILLS MBR	SW HL
4756.700	15605.973	SWAN HILLS MBR	SW HL
4818.100	15807.415	ELK POINT GRP	ELPT
4822.500	15821.851	ELK POINT GRP	ELPT
4841.000	15882.547	CAMBRIAN SYSTEM	CAMB SYS
4845.400	15896.981	CAMBRIAN SYSTEM	CAMB SYS

Site ID: 64907

Source ID: 00/10-18-046-17W5/0

Latitude: 052.969512

Well Length: 2972.000

Longitude: 116.449759

KB Elevation: 1327.100

Status: Abandoned

Well Name: DOME ET AL HANLAN 10-18-46-17

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2395.000	7857.612	LEA PARK FM	LP
2527.500	8292.323	COLORADO GRP	COLO
2835.300	9302.166	CARDIUM FM	CARD
2881.400	9453.412	CARDIUM SD	CARD SD



Site ID: 64908

Source ID: 00/07-23-046-17W5/0

Latitude: 052.978586

Well Length: 4817.000

Longitude: 116.355822

KB Elevation: 1375.400

Status: Flowing Gaswell

Well Name: AMOCO HANLAN 7-23-46-17

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2301.000	7549.213	LEA PARK FM	LP
2439.000	8001.969	COLORADO GRP	COLO
2812.700	9228.019	CARDIUM FM	CARD
2848.000	9343.832	CARDIUM SD	CARD SD
2973.700	9756.233	SECOND WHITE SPECKLED S	H2WS
3288.200	10788.058	BASE FISH SCALES ZONE	BFSC
3316.000	10879.266	VIKING SANDSTONE	VIK SS
3343.800	10970.473	MANNVILLE GRP	MANN
3655.300	11992.455	FERNIE GRP	FERN
3666.000	12027.560	ROCK CREEK MBR	RKCK
3694.500	12121.063	POKER CHIP SH	PK C SH
3705.200	12156.168	NORDEGG MBR	NORD
3763.000	12345.801	ELKTON MBR	ELTN
3795.000	12450.788	SHUNDA FM	SHUN
3868.000	12690.289	PEKISKO FM	PEK
3918.000	12854.331	BANFF FM	BNFF
4067.500	13344.816	EXSHAW FM	EX
4075.800	13372.048	WABAMUN GRP	WAB
4304.000	14120.735	GRAMINIA FM	GRAM
4307.000	14130.578	BLUERIDGE MBR	BLUE
4376.000	14356.956	CALMAR FM	CALM
4404.500	14450.460	NISKU FM	NIS
4450.500	14601.379	IRETON FM	IRE
4646.500	15244.423	DUVERNAY FM	DUVY
4685.000	15370.735	BEAVERHILL LAKE FM	BH LK
4740.600	15553.150	SWAN HILLS MBR	SW HL

Site ID: 64909

Source ID: 00/07-27-046-17W5/0

Latitude: 052.992943

Well Length: 4825.000

Longitude: 116.379018

KB Elevation: 1322.700

Status: Capped Gaswell

Well Name: PCI HANLAN 7-27-46-17

NOTE: Data lines, in 'bold text', represent true vertical depths.  
Data lines, in 'normal text', represent as-drilled depths.

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>1873.200</b>	<b>6145.669</b>	<b>BELLY RIVER GRP</b>	<b>BR</b>
1874.000	6148.294	BELLY RIVER GRP	BR
<b>2271.200</b>	<b>7451.444</b>	<b>LEA PARK FM</b>	<b>LP</b>
2272.000	7454.068	LEA PARK FM	LP
<b>2421.900</b>	<b>7945.866</b>	<b>COLORADO GRP</b>	<b>COLO</b>
2422.000	7946.194	COLORADO GRP	COLO
<b>2764.400</b>	<b>9069.554</b>	<b>CARDIUM FM</b>	<b>CARD</b>
2766.000	9074.804	CARDIUM FM	CARD
<b>2800.400</b>	<b>9187.664</b>	<b>CARDIUM SD</b>	<b>CARD SD</b>
2802.000	9192.914	CARDIUM SD	CARD SD
<b>2832.400</b>	<b>9292.651</b>	<b>BLACKSTONE FM</b>	<b>BKST</b>
2834.000	9297.900	BLACKSTONE FM	BKST
<b>3227.900</b>	<b>10590.223</b>	<b>BASE FISH SCALES ZONE</b>	<b>BFSC</b>
3231.000	10600.394	BASE FISH SCALES ZONE	BFSC
<b>3260.300</b>	<b>10696.522</b>	<b>VIKING FM</b>	<b>VIK</b>
3263.500	10707.021	VIKING FM	VIK
<b>3267.800</b>	<b>10721.129</b>	<b>VIKING SANDSTONE</b>	<b>VIK SS</b>
3271.000	10731.628	VIKING SANDSTONE	VIK SS
<b>3284.800</b>	<b>10776.903</b>	<b>MANNVILLE GRP</b>	<b>MANN</b>
3288.000	10787.402	MANNVILLE GRP	MANN
<b>3517.100</b>	<b>11539.043</b>	<b>BLUESKY FM</b>	<b>BLSK</b>
3520.500	11550.197	BLUESKY FM	BLSK
<b>3521.300</b>	<b>11552.822</b>	<b>GETHING FM</b>	<b>GETH</b>
3524.700	11563.977	GETHING FM	GETH
<b>3624.600</b>	<b>11891.733</b>	<b>FERNIE GRP</b>	<b>FERN</b>
3628.000	11902.888	FERNIE GRP	FERN
<b>3635.100</b>	<b>11926.182</b>	<b>ROCK CREEK MBR</b>	<b>RKCK</b>
3638.500	11937.336	ROCK CREEK MBR	RKCK
<b>3663.600</b>	<b>12019.686</b>	<b>POKER CHIP SH</b>	<b>PK C SH</b>
3667.000	12030.840	POKER CHIP SH	PK C SH
<b>3683.600</b>	<b>12085.303</b>	<b>NORDEGG MBR</b>	<b>NORD</b>
3687.000	12096.457	NORDEGG MBR	NORD
<b>3731.600</b>	<b>12242.783</b>	<b>ELKTON MBR</b>	<b>ELTN</b>
3735.000	12253.938	ELKTON MBR	ELTN
<b>3772.100</b>	<b>12375.657</b>	<b>SHUNDA FM</b>	<b>SHUN</b>
3775.500	12386.812	SHUNDA FM	SHUN
<b>3840.600</b>	<b>12600.395</b>	<b>PEKISKO FM</b>	<b>PEK</b>
3844.000	12611.549	PEKISKO FM	PEK

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
<b>3887.600</b>	<b>12754.594</b>	<b>BANFF FM</b>	<b>BNFF</b>
3891.000	12765.748	BANFF FM	BNFF
<b>4035.900</b>	<b>13241.142</b>	<b>EXSHAW FM</b>	<b>EX</b>
<b>4038.600</b>	<b>13250.001</b>	<b>WABAMUN GRP</b>	<b>WAB</b>
4039.300	13252.297	EXSHAW FM	EX
4042.000	13261.155	WABAMUN GRP	WAB
<b>4271.000</b>	<b>14012.468</b>	<b>GRAMINIA FM</b>	<b>GRAM</b>
<b>4274.900</b>	<b>14025.263</b>	<b>BLUERIDGE MBR</b>	<b>BLUE</b>
4277.000	14032.152	GRAMINIA FM	GRAM
4281.000	14045.276	BLUERIDGE MBR	BLUE
<b>4322.700</b>	<b>14182.088</b>	<b>CALMAR FM</b>	<b>CALM</b>
<b>4327.000</b>	<b>14196.194</b>	<b>NISKU FM</b>	<b>NIS</b>
4330.000	14206.037	CALMAR FM	CALM
4334.300	14220.145	NISKU FM	NIS
<b>4420.100</b>	<b>14501.642</b>	<b>IRETON FM</b>	<b>IRE</b>
4429.000	14530.841	IRETON FM	IRE
<b>4608.000</b>	<b>15118.110</b>	<b>DUVERNAY FM</b>	<b>DUVY</b>
4617.500	15149.278	DUVERNAY FM	DUVY
<b>4639.400</b>	<b>15221.129</b>	<b>BEAVERHILL LAKE FM</b>	<b>BH LK</b>
4653.000	15265.748	BEAVERHILL LAKE FM	BH LK
<b>4712.400</b>	<b>15460.630</b>	<b>SWAN HILLS MBR</b>	<b>SW HL</b>
4722.000	15492.127	SWAN HILLS MBR	SW HL
<b>4774.900</b>	<b>15665.683</b>	<b>ELK POINT GRP</b>	<b>ELPT</b>
<b>4782.400</b>	<b>15690.289</b>	<b>PRECAMBRIAN SYSTM</b>	<b>PRECAM SY</b>
4784.500	15697.179	ELK POINT GRP	ELPT
4792.000	15721.785	PRECAMBRIAN SYSTM	PRECAM SY

Site ID: 64910

Source ID: 00/06-30-046-17W5/0

Latitude: 052.994545

Well Length: 4821.900

Longitude: 116.458426

KB Elevation: 1257.300

Status: Abandoned

Well Name: AMOCO ET AL SOUTH HANLAN 6-30-46-17

Depth Metres	Depth Feet	Horizon Name	Horizon Name Abbreviation
2357.000	7732.940	LEA PARK FM	LP
2487.800	8162.074	COLORADO GRP	COLO
2763.300	9065.945	CARDIUM FM	CARD
2805.100	9203.085	CARDIUM SD	CARD SD
2945.000	9662.074	SECOND WHITE SPECKLED S	H2WS
3225.700	10583.006	BASE FISH SCALES ZONE	BFSC
3252.800	10671.917	VIKING SANDSTONE	VIK SS
3278.400	10755.905	MANNVILLE GRP	MANN
3618.900	11873.031	FERNIE GRP	FERN
3624.700	11892.061	ROCK CREEK MBR	RKCK
3655.500	11993.110	POKER CHIP SH	PK C SH
3672.800	12049.869	NORDEGG MBR	NORD
3719.800	12204.068	ELKTON MBR	ELTN
3756.700	12325.132	SHUNDA FM	SHUN
3827.700	12558.071	PEKISKO FM	PEK
3878.300	12724.082	BANFF FM	BNFF
4025.200	13206.037	EXSHAW FM	EX
4028.200	13215.880	WABAMUN GRP	WAB
4254.100	13957.021	WINTERBURN GRP	WINT
4415.000	14484.908	IRETON FM	IRE
4601.600	15097.113	DUVERNAY FM	DUVY
4650.000	15255.906	BEAVERHILL LAKE FM	BH LK
4681.700	15359.909	SWAN HILLS MBR	SW HL

**Appendix 3. 83C/16 - Coal Intersections of the Coal Drillholes**

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sitid eat_id m twp rq a ra re meth note nts orig
1025294 478586 5 45 15 35 35 NE -677.0 -255.0 83e16 8487CM
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1225.0 163.4 163.2 3.0 840300 890400 N
piktyp piknum dtop dbase thiek swanne min ent_nkr
3 131500 53.00 53.00 0.00 0 0 UNDEFINED
1 131501 95.70 96.25 0.55 10 20 OBED CE
1 131502 102.50 104.00 0.70 15 25 OBED CE
1 131503 125.70 126.00 0.20 0 15 UNDEFINED
1 131504 136.60 137.60 1.00 20 10 OBED CE
1 131505 137.60 138.10 0.50 20 0 OBED CE
1 131506 138.10 138.90 0.80 22 10 OBED CE
1 131507 139.40 140.35 0.95 0 25 UNDEFINED
1 131508 141.20 141.70 0.50 0 55 UNDEFINED
1 131509 142.15 142.40 0.23 0 55 UNDEFINED
1 131510 142.75 143.10 0.35 0 60 UNDEFINED
1 131511 151.00 152.40 0.65 0 45 UNDEFINED
1 131512 153.00 154.65 0.85 0 10 UNDEFINED
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sitid eat_id m twp rq a ra re meth note nts orig
1025295 246027 5 45 15 36 36 NE -30.5 -76.2 83e16 800002
IMPERIAL OIL LIMITED 54
elev td dep_log rogo epdc drld qual
1224.4 152.4 0.0 3.0 780300 810400 N
piktyp piknum dtop dbase thiek swanne min ent_nkr
1 131513 16.41 16.79 0.18 0 0 UNDEFINED
1 131514 97.51 97.90 0.45 0 0 UNDEFINED
1 131515 98.15 98.42 0.27 0 0 UNDEFINED
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1 131870 72.00 72.20 0.40 15 25 OBED CE
1 131871 73.20 73.50 0.20 15 35 OBED CE
1 131872 105.20 105.45 0.25 0 30 UNDEFINED
1 131873 105.60 106.30 1.10 20 15 OBED CE
1 131874 106.90 107.40 0.90 20 55 OBED CE
1 131875 107.40 108.20 0.80 22 15 OBED CE
1 131876 109.70 109.25 0.55 0 30 UNDEFINED
1 131877 109.25 109.60 0.35 0 20 UNDEFINED
1 131878 110.10 110.40 0.20 0 50 UNDEFINED
1 131879 110.80 111.15 0.35 0 55 UNDEFINED
1 131880 111.80 111.90 0.40 0 50 UNDEFINED
1 131881 142.05 142.65 0.60 0 35 UNDEFINED
1 131882 142.60 143.10 0.45 0 40 UNDEFINED
1 131883 143.10 143.60 0.70 0 15 UNDEFINED
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sitid eat_id m twp rq a ra re meth note nts orig
1025452 478527 5 46 15 2 2 NE -1375.0 -1511.0 83e16 84-79
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1170.0 162.0 161.0 15.0 840300 890400 N
piktyp piknum dtop dbase thiek swanne min ent_nkr
3 131884 58.00 58.00 0.00 0 0 UNDEFINED
1 131885 58.40 58.80 0.40 10 20 OBED CE
1 131886 101.00 101.65 0.65 15 20 OBED CE
1 131887 123.20 123.55 0.25 0 50 UNDEFINED
1 131888 123.90 124.00 0.90 20 15 OBED CE
1 131889 124.80 125.25 0.45 20 50 OBED CE
1 131890 125.25 126.00 0.80 22 15 OBED CE
1 131891 126.60 127.00 0.45 0 25 UNDEFINED
1 131892 127.00 127.50 0.45 0 20 UNDEFINED
1 131893 127.95 128.10 0.25 0 50 UNDEFINED
1 131894 128.70 129.05 0.35 0 55 UNDEFINED
1 131895 129.20 129.55 0.35 0 50 UNDEFINED
1 131896 148.00 149.40 0.82 0 20 UNDEFINED
1 131897 149.40 149.65 0.25 0 50 UNDEFINED
1 131898 149.65 151.00 2.15 0 20 UNDEFINED
1 131899 152.35 152.70 0.35 0 55 UNDEFINED
1 131900 153.40 153.85 0.45 0 45 UNDEFINED
1 131901 155.30 157.50 2.20 0 10 UNDEFINED
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sitid eat_id m twp rq a ra re meth note nts orig
1025440 246208 5 46 14 7 7 NE -1241.1 -1529.2 83e16 800003
IMPERIAL OIL LIMITED 54
elev td dep_log rogo epdc drld qual
1231.4 152.4 0.0 3.0 780300 810400 N
piktyp piknum dtop dbase thiek swanne min ent_nkr
1 131854 36.33 36.55 0.22 0 0 UNDEFINED
1 131855 37.61 38.07 0.46 0 0 UNDEFINED
1 131856 38.15 38.20 0.24 0 0 UNDEFINED
1 131857 38.45 39.04 0.29 0 0 UNDEFINED
1 131858 38.30 38.27 0.27 0 0 UNDEFINED
1 131859 126.17 126.34 0.22 0 0 UNDEFINED
1 131860 127.41 127.60 0.24 0 0 UNDEFINED
1 131861 128.90 129.69 0.71 0 0 UNDEFINED
1 131862 129.70 134.00 0.30 0 0 UNDEFINED
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sitid eat_id m twp rq a ra re meth note nts orig
1025450 246216 5 46 14 0 0 NE -101.0 -1371.6 83e16 800004
IMPERIAL OIL LIMITED 54
elev td dep_log rogo epdc drld qual
1213.1 152.4 0.0 3.0 780300 810400 N
piktyp piknum dtop dbase thiek swanne min ent_nkr
1 131863 111.56 111.89 0.33 0 0 UNDEFINED
1 131864 112.47 112.67 0.20 0 0 UNDEFINED
1 131865 112.56 113.05 0.49 0 0 UNDEFINED
1 131866 130.45 130.79 0.24 0 0 UNDEFINED
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sitid eat_id m twp rq a ra re meth note nts orig
1025451 478529 5 46 15 2 2 NE -1195.0 -1509.0 83e16 84-78
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1174.0 150.0 149.0 13.0 840300 860400 N
piktyp piknum dtop dbase thiek swanne min ent_nkr
3 131867 36.00 36.00 0.00 0 0 UNDEFINED
1 131868 67.20 67.55 0.25 10 30 OBED CE
1 131869 67.55 67.00 0.25 10 30 OBED CE
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sitid eat_id m twp rq a ra re meth note nts orig
1025453 478270 5 46 15 4 4 NE -57.0 -60.0 83e16 83-20
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1184.0 151.0 150.2 12.0 832200 860400 N
piktyp piknum dtop dbase thiek swanne min ent_nkr
1 131902 56.55 56.20 0.25 0 45 UNDEFINED
1 131903 56.45 57.20 0.75 20 20 OBED CE
1 131904 57.80 58.75 0.95 22 15 OBED CE
1 131905 59.22 59.60 0.38 0 45 UNDEFINED
1 131906 60.00 60.35 0.35 0 35 UNDEFINED
1 131907 60.25 60.50 0.25 0 45 UNDEFINED
1 131908 60.80 61.10 0.60 0 35 UNDEFINED
1 131909 61.60 61.90 0.20 0 50 UNDEFINED
1 131910 62.45 62.75 0.30 0 40 UNDEFINED
1 131911 62.30 63.20 0.20 0 45 UNDEFINED
1 131912 75.20 75.65 0.45 0 45 UNDEFINED
1 131913 102.75 103.40 0.25 0 40 UNDEFINED
1 131914 120.55 140.25 0.20 0 35 UNDEFINED
1 131915 140.50 141.00 0.50 0 20 UNDEFINED
1 131916 145.00 141.50 0.40 0 30 UNDEFINED
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sitid eat_id m twp rq a ra re meth note nts orig
1025454 478420 5 46 15 4 4 NE -100.0 -242.0 83e16 84-72
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1166.0 150.0 94.2 1.0 840200 890400 N
piktyp piknum dtop dbase thiek swanne min ent_nkr
3 131917 28.00 28.00 0.00 0 0 UNDEFINED
1 131918 42.00 44.40 0.70 10 15 OBED CE
1 131919 48.25 48.95 0.60 15 20 OBED CE
1 131920 81.20 81.60 0.20 0 55 UNDEFINED
1 131921 81.90 82.30 0.20 0 15 OBED CE
1 131922 82.90 83.45 0.55 20 10 OBED CE
1 131923 82.45 84.20 0.75 22 10 OBED CE
1 131924 85.40 85.25 0.45 0 25 UNDEFINED
1 131925 86.40 86.20 0.20 0 55 UNDEFINED
1 131926 87.25 87.00 0.10 0 40 UNDEFINED
1 131927 87.60 87.60 0.25 0 65 UNDEFINED
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Coal seam depths in Coal Database  
 NTS map sheet E3e16  
 (Data current to April 1993)  
 October 11, 1991

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sitid cat_id m twp rgy s rr re meth note nts orig
1025147 242407 5 43 17 35 35 NE -502.9 -1056.1 E3e16 000203
LUSCAR LTD. 64
elev td dep_log rogo epdc drld qual
1335.0 22.9 0.0 3.0 320100 040100 N
piktyp piknum dstop dbase thiek seamno min cnt_mkr
1 131132 6.40 6.55 0.15 0 0 UNDEFINED
1 131133 14.34 17.01 2.07 0 0 UNDEFINED
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sitid cat_id m twp rgy s rr re meth note nts orig
1025290 470582 5 45 14 30 30 NE -102.0 -554.0 E3e16 04-01
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1166.0 152.0 149.2 10.0 040300 060400 N
piktyp piknum dstop dbase thiek seamno min cnt_mkr
1 131460 38.45 33.30 0.70 0 10 UNDEFINED
1 131461 32.55 34.90 0.95 0 20 UNDEFINED
1 131462 51.25 52.40 1.15 0 20 UNDEFINED
1 131463 50.30 59.55 1.80 0 10 UNDEFINED
1 131464 137.45 137.90 0.45 0 65 UNDEFINED
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sitid cat_id m twp rgy s rr re meth note nts orig
1025291 470545 5 45 15 35 35 NE -570.0 -48.0 E3e16 04-09
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1170.0 116.6 116.0 2.0 040300 060400 N
piktyp piknum dstop dbase thiek seamno min cnt_mkr
1 131465 42.80 43.90 0.70 0 35 UNDEFINED
1 131466 49.70 50.40 0.90 0 15 UNDEFINED
1 131467 52.40 54.25 0.65 0 35 UNDEFINED
1 131468 90.35 99.20 0.35 0 55 UNDEFINED
1 131469 100.55 100.05 0.30 0 40 UNDEFINED
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sitid cat_id m twp rgy s rr re meth note nts orig
1025292 470560 5 45 15 35 35 NE -604.0 -109.0 E3e16 04-08
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1231.0 152.0 150.2 3.5 040300 090400 N
piktyp piknum dstop dbase thiek seamno min cnt_mkr
1 131470 6.25 6.60 0.35 0 60 UNDEFINED
1 131471 7.00 7.30 0.30 0 50 UNDEFINED
1 131472 10.00 21.45 1.75 0 10 UNDEFINED
1 131473 42.50 44.00 0.80 0 30 UNDEFINED
1 131474 44.00 44.35 0.35 0 30 UNDEFINED
1 131475 44.00 45.05 0.45 0 20 UNDEFINED
1 131476 45.05 45.40 0.55 0 30 UNDEFINED
1 131477 85.85 86.50 0.65 0 25 UNDEFINED
1 131478 92.70 93.40 0.70 0 20 UNDEFINED
1 131479 94.40 97.00 1.00 0 15 UNDEFINED
1 131480 98.15 98.90 0.75 0 20 UNDEFINED
1 131481 146.60 147.00 0.40 0 20 UNDEFINED
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sitid cat_id m twp rgy s rr re meth note nts orig
1025293 470570 5 45 15 35 35 NE -602.0 -200.0 E3e16 04-07
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rogo epdc drld qual
1225.0 152.0 152.0 0.0 040300 090400 N
piktyp piknum dstop dbase thiek seamno min cnt_mkr
3 131482 54.20 54.20 0.00 0 0 UNDEFINED
1 131483 94.15 94.70 0.55 10 30 ORED CE
1 131484 101.05 102.00 0.55 15 25 ORED CE
1 131485 121.70 121.85 0.25 0 15 UNDEFINED
1 131486 132.40 133.40 1.00 20 15 ORED CE
1 131487 132.40 133.95 0.55 20 35 ORED CE
1 131488 133.25 134.00 0.85 22 15 ORED CE
1 131489 134.00 135.30 0.50 0 60 UNDEFINED
1 131490 135.30 136.50 0.20 0 20 UNDEFINED
1 131491 136.20 136.85 0.35 0 40 UNDEFINED
1 131492 135.85 136.15 0.30 0 25 UNDEFINED
1 131493 137.20 137.50 0.30 0 35 UNDEFINED
1 131494 137.90 138.30 0.40 0 60 UNDEFINED
1 131495 138.50 139.85 0.35 0 30 UNDEFINED
1 131496 147.20 147.65 0.45 0 65 UNDEFINED
1 131497 147.65 147.90 0.25 0 35 UNDEFINED
1 131498 147.90 148.50 0.70 0 45 UNDEFINED
1 131499 149.05 150.00 0.55 0 10 UNDEFINED
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sitid cat_id m twp rg s r r re meth note nta orig
1025455 478438 5 46 15 4 4 NE -252.0 -418.0 83e16 84-72A
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rege epdc drld qual
1170.0 150.0 150.2 27.0 840200 860400 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
3 131928 25.00 25.00 0.00 0 0 UNDEFINED
1 131929 62.25 62.80 0.35 10 20 ORED CE
1 131930 46.70 47.30 0.60 15 15 ORED CE
1 131931 100.60 101.70 1.10 20 10 ORED CE
1 131932 101.70 102.20 0.50 20 50 ORED CE
1 131933 102.20 103.05 0.85 22 10 ORED CE
1 131934 103.80 104.60 0.80 0 20 UNDEFINED
1 131935 104.60 105.07 0.47 0 50 UNDEFINED
1 131936 105.40 105.75 0.35 0 40 UNDEFINED
1 131937 106.25 106.60 0.35 0 55 UNDEFINED
1 131938 106.75 107.00 0.25 0 55 UNDEFINED
1 131939 114.93 115.40 0.47 0 20 UNDEFINED
1 131940 115.40 115.65 0.25 0 25 UNDEFINED
1 131941 115.65 116.35 0.70 0 20 UNDEFINED
1 131942 116.35 116.70 0.45 0 25 UNDEFINED
1 131943 117.25 117.75 0.50 0 40 UNDEFINED
1 131944 146.25 146.70 0.25 0 20 UNDEFINED
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sitid cat_id m twp rg s r r re meth note nta orig
1025457 478437 5 46 15 5 3 NE -1386.0-104.0 83e16 83-18
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rege epdc drld qual
1130.0 150.5 150.2 20.0 831200 890200 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
1 131945 130.30 130.60 0.70 0 25 UNDEFINED
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sitid cat_id m twp rg s r r re meth note nta orig
1025458 478354 5 46 15 9 3 NE -1597.0-9.0 83e16 83-19
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rege epdc drld qual
1175.0 150.0 150.0 22.0 831200 890200 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
1 131946 43.10 43.75 0.65 0 60 UNDEFINED
1 131947 43.75 44.40 0.60 0 15 UNDEFINED
1 131948 44.70 45.15 0.40 0 20 UNDEFINED
1 131949 46.15 46.60 0.45 0 60 UNDEFINED
1 131950 46.60 49.45 2.85 0 15 UNDEFINED
1 131951 51.30 52.15 0.65 0 70 UNDEFINED
1 131952 52.40 53.20 0.20 0 60 UNDEFINED
1 131953 53.10 53.20 0.20 0 60 UNDEFINED
1 131954 53.50 54.20 0.80 0 15 UNDEFINED
1 131955 50.61 51.05 0.40 0 20 UNDEFINED
1 131956 51.60 52.06 0.46 0 15 UNDEFINED
1 131957 52.06 52.60 0.54 0 25 UNDEFINED
1 131958 53.45 53.90 0.25 0 60 UNDEFINED
1 131959 52.80 52.85 0.05 0 10 UNDEFINED
1 131960 125.25 126.15 0.90 0 15 UNDEFINED
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sitid cat_id m twp rg s r r re meth note nta orig
1025459 478412 5 46 15 9 3 NE -1102.0-1492.0 83e16 84-69
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rege epdc drld qual
1100.0 151.0 144.2 6.0 840200 860400 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
3 131961 80.00 80.00 0.00 0 0 UNDEFINED
1 131962 131.60 132.00 0.40 10 45 ORED CE
1 131963 132.00 132.20 0.20 10 20 ORED CE
1 131964 132.00 132.45 0.45 15 20 ORED CE
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sitid cat_id m twp rg s r r re meth note nta orig
1025460 478362 5 46 15 10 10 NE -1487.0-1429.0 83e16 83-19C
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rege epdc drld qual
1175.0 59.4 59.2 19.9 831200 890200 Y
piktyp piknum dtop dbase thiek seanno min ent_mkr
1 131965 42.85 43.20 0.35 0 55 UNDEFINED
1 131966 43.60 44.70 1.10 0 15 UNDEFINED
1 131967 46.00 46.40 0.40 0 20 UNDEFINED
1 131968 46.40 46.85 0.45 0 60 UNDEFINED
1 131969 46.85 48.30 1.45 0 10 UNDEFINED
1 131970 51.15 52.25 1.10 0 15 UNDEFINED
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sitid cat_id m twp rg s r r re meth note nta orig
1025461 478396 5 46 15 18 10 NE -720.0 -532.0 83e16 84-56
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rege epdc drld qual
1100.0 152.0 150.0 9.0 840200 860400 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
3 131971 93.50 93.50 0.00 0 0 UNDEFINED
1 131972 142.75 143.15 0.40 10 20 ORED CE
1 131973 146.45 146.16 0.71 15 15 ORED CE
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sitid cat_id m twp rg s r r re meth note nta orig
1025462 478404 5 46 15 10 10 NE -956.0 -30.0 83e16 84-62
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rege epdc drld qual
1100.0 130.0 140.2 15.0 840200 860400 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
3 131974 50.20 50.30 0.00 0 0 UNDEFINED
1 131975 102.70 103.05 0.35 10 20 ORED CE
1 131976 105.20 105.80 0.60 15 20 ORED CE
1 131977 116.30 116.80 0.50 20 10 ORED CE
1 131978 120.05 120.00 0.70 22 10 ORED CE
1 131979 140.20 140.40 0.20 0 20 UNDEFINED
1 131980 140.40 140.85 0.45 0 25 UNDEFINED
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1 131981 141.20 141.50 0.30 0 60 UNDEFINED
1 131982 141.85 142.15 0.30 0 45 UNDEFINED
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sitid cat_id m twp rg s r r re meth note nta orig
1025463 478388 5 46 15 19 19 NE -1256.0-1213.0 83e16 84-54
ESSO RESOURCES CANADA LIMITED 43
elev td dep_log rege epdc drld qual
1204.0 147.0 146.0 38.0 840200 860400 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
3 131983 78.00 78.00 0.00 0 0 UNDEFINED
1 131984 123.00 124.00 0.60 10 20 ORED CE
1 131985 125.00 126.40 0.60 15 25 ORED CE
1 131986 126.40 126.60 0.40 15 20 ORED CE
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sitid cat_id m twp rg s r r re meth note nta orig
1025464 245322 5 46 15 23 23 NE -1127.0-640.1 83e16 000005
IMPERIAL OIL LIMITED 54
elev td dep_log rege epdc drld qual
1214.2 152.4 0.0 7.0 700200 810400 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
1 131987 13.26 13.66 0.40 0 0 UNDEFINED
1 131988 14.02 14.08 0.06 0 0 UNDEFINED
1 131989 16.46 16.19 0.23 0 0 UNDEFINED
1 131990 34.02 34.26 0.24 0 0 UNDEFINED
1 131991 96.25 96.62 0.27 0 0 UNDEFINED
1 131992 100.20 100.31 0.21 0 0 UNDEFINED
1 131993 109.42 109.97 0.55 0 0 UNDEFINED
1 131994 110.63 110.34 0.21 0 0 UNDEFINED
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sitid cat_id m twp rg s r r re meth note nta orig
1025465 263340 5 46 15 24 24 NE -1066.0-803.9 83e16 000006
IMPERIAL OIL LIMITED 54
elev td dep_log rege epdc drld qual
1152.1 91.4 0.0 15.0 700200 810400 N
piktyp piknum dtop dbase thiek seanno min ent_mkr
1 131995 20.10 20.20 0.20 0 0 UNDEFINED
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stid cat\_id m twp rg s ra re meth note nts orig  
1025467 478446 5 46 16 24 24 NE -159.0 -546.0 83e16 84-12

ESSO RESOURCES CANADA LIMITED 43

elev td dep\_log rege epct drld qual

1207.0 151.0 133.0 7.0 840300 890400 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 131986 65.83 66.20 0.37 0 25 UNDEFINED  
1 131987 66.20 66.60 0.40 0 45 UNDEFINED  
1 131990 79.15 80.05 0.90 20 15 OBEY CE  
1 131999 80.00 80.60 0.60 20 05 OBEY CE  
1 132000 80.60 81.20 0.60 22 15 OBEY CE  
1 132001 81.60 81.90 0.30 0 30 UNDEFINED  
1 132002 81.90 82.40 0.50 0 50 UNDEFINED  
1 132003 82.40 82.85 0.45 0 60 UNDEFINED  
1 132004 82.85 84.00 0.40 0 50 UNDEFINED  
1 132005 83.85 82.60 0.55 0 50 UNDEFINED  
1 132006 83.60 84.10 0.50 0 60 UNDEFINED  
1 132007 84.40 84.00 0.30 0 60 UNDEFINED  
1 132008 86.20 86.70 0.50 20 15 OBEY CE  
1 132009 86.70 87.40 0.70 20 30 OBEY CE  
1 132010 87.40 89.00 0.60 22 20 OBEY CE  
1 132011 89.00 100.70 0.90 22 10 OBEY CE  
1 132012 102.20 103.00 0.80 0 20 UNDEFINED  
1 132013 104.40 105.05 0.65 0 10 UNDEFINED  
1 132014 103.50 104.20 0.70 0 15 UNDEFINED  
1 132015 106.20 106.30 0.70 0 20 UNDEFINED  
1 132016 122.30 123.00 0.70 0 40 UNDEFINED

stid cat\_id m twp rg s ra re meth note nts orig  
1025469 478495 5 46 16 25 25 NE -918.0 -1078.0 83e16 84-43

ESSO RESOURCES CANADA LIMITED 43

elev td dep\_log rege epct drld qual

1271.0 122.0 121.2 5.0 840300 860400 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132017 55.20 55.60 0.40 0 40 UNDEFINED  
1 132018 55.60 56.50 0.90 0 15 UNDEFINED  
1 132019 114.00 114.55 0.50 0 10 UNDEFINED  
1 132020 114.55 115.00 0.45 0 20 UNDEFINED  
1 132021 115.00 116.25 1.25 0 10 UNDEFINED

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stid cat\_id m twp rg s ra re meth note nts orig  
1025476 426742 5 46 18 1 1 NE -891.0 -906.0 83e16 882179

LESCO TESTING LTD. 62

elev td dep\_log rege epct drld qual

1339.0 122.0 122.0 10.6 820200 870400 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132067 75.41 76.75 1.34 75 30 PASKAPOO FM  
1 132068 76.75 77.97 1.22 75 15 PASKAPOO FM  
1 132069 77.97 78.50 0.50 75 40 PASKAPOO FM  
1 132070 78.86 79.16 0.31 75 25 PASKAPOO FM  
1 132071 79.16 79.25 0.10 75 35 PASKAPOO FM  
1 132072 79.25 80.13 0.70 75 20 PASKAPOO FM  
1 132073 80.23 100.00 1.75 77 15 PASKAPOO FM

stid cat\_id m twp rg s ra re meth note nts orig  
1025478 426767 5 46 18 1 1 NE -1009.0 -423.0 83e16 882181

LESCO TESTING LTD. 62

elev td dep\_log rege epct drld qual

1346.0 59.4 59.1 5.0 820200 840200 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132074 39.75 39.90 0.24 0 40 UNDEFINED  
1 132075 41.73 41.91 0.18 0 45 UNDEFINED  
1 132076 52.87 52.67 0.40 0 25 UNDEFINED  
1 132077 52.82 53.43 0.61 0 25 UNDEFINED

stid cat\_id m twp rg s ra re meth note nts orig  
1025479 426776 5 46 18 1 1 NE -894.0 -1008.0 83e16 882182

LESCO TESTING LTD. 62

elev td dep\_log rege epct drld qual

1332.3 59.2 54.8 24.3 820200 870400 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132078 26.21 26.88 0.67 77 15 PASKAPOO FM  
1 132079 26.88 27.34 0.46 77 35 PASKAPOO FM

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stid cat\_id m twp rg s ra re meth note nts orig  
1025480 427740 5 46 18 1 1 NE -137.0 -1061.0 83e16 881164

LESCO TESTING LTD. 62

elev td dep\_log rege epct drld qual

1334.1 42.7 42.4 9.1 811200 870400 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132080 24.60 26.03 1.43 0 25 UNDEFINED

stid cat\_id m twp rg s ra re meth note nts orig  
1025481 427757 5 46 18 1 1 NE -84.0 -1018.0 83e16 881165

LESCO TESTING LTD. 62

elev td dep\_log rege epct drld qual

1327.8 91.4 91.4 12.8 811200 870400 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132081 45.81 46.21 0.40 0 25 UNDEFINED  
1 132082 46.21 46.91 0.70 0 30 UNDEFINED  
1 132083 46.91 47.24 0.33 0 45 UNDEFINED  
1 132084 47.24 47.56 0.31 0 60 UNDEFINED  
1 132085 47.56 47.76 0.21 0 30 UNDEFINED  
1 132086 47.76 48.09 0.33 0 45 UNDEFINED  
1 132087 48.09 48.39 0.30 0 25 UNDEFINED  
1 132088 48.39 48.71 0.32 0 25 UNDEFINED

stid cat\_id m twp rg s ra re meth note nts orig  
1025482 427765 5 46 18 1 1 NE -38.0 -977.0 83e16 881166

LESCO TESTING LTD. 62

elev td dep\_log rege epct drld qual

1339.0 91.4 91.1 15.8 811200 840100 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132089 27.43 27.43 0.40 19 25 OBEY CE  
1 132090 27.83 28.35 0.52 19 15 OBEY CE  
1 132091 30.32 30.81 0.49 20 15 OBEY CE  
1 132092 30.81 40.14 0.33 20 25 OBEY CE  
1 132093 40.14 40.43 0.29 20 15 OBEY CE  
1 132094 40.15 40.71 1.56 25 25 OBEY CE  
1 132095 42.71 44.29 0.88 25 15 OBEY CE

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1 132096 44.29 45.42 1.13 25 15 OBEY CE  
1 132097 44.28 44.80 0.45 22 10 OBEY CE  
1 132098 44.82 44.80 0.20 22 25 OBEY CE  
1 132099 46.08 46.33 0.25 22 35 OBEY CE  
1 132100 46.33 46.37 0.04 22 25 OBEY CE  
1 132101 47.79 47.97 0.18 33 30 OBEY CE  
1 132102 48.98 49.59 0.61 35 30 OBEY CE  
1 132103 49.59 49.92 0.33 35 20 OBEY CE  
1 132104 49.92 60.30 0.46 35 35 OBEY CE  
1 132105 60.30 60.70 0.40 35 30 OBEY CE  
1 132106 62.44 62.32 0.10 24 25 OBEY CE  
1 132107 66.93 67.20 0.27 40 30 OBEY CE  
1 132108 67.20 67.60 0.40 40 35 OBEY CE  
1 132109 67.60 68.32 0.52 40 20 OBEY CE  
1 132110 68.32 68.30 0.27 40 30 OBEY CE

stid cat\_id m twp rg s ra re meth note nts orig  
1025483 427799 5 46 18 1 1 NE -245.0 -1223.0 83e16 882168

LESCO TESTING LTD. 62

elev td dep\_log rege epct drld qual

1322.2 47.5 47.2 10.7 820100 870400 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132111 26.30 26.66 0.36 75 40 PASKAPOO FM  
1 132112 26.66 26.97 0.31 75 25 PASKAPOO FM  
1 132113 26.97 27.12 0.15 75 10 PASKAPOO FM  
1 132114 27.12 27.67 0.55 75 30 PASKAPOO FM  
1 132115 27.67 28.07 0.40 75 20 PASKAPOO FM  
1 132116 28.07 29.00 0.91 75 10 PASKAPOO FM  
1 132117 29.00 29.50 0.42 75 35 PASKAPOO FM  
1 132118 29.50 40.75 0.76 75 10 PASKAPOO FM  
1 132119 40.75 41.03 0.28 75 45 PASKAPOO FM

stid cat\_id m twp rg s ra re meth note nts orig  
1025484 427807 5 46 18 1 1 NE -354.0 -1231.0 83e16 88168A

LESCO TESTING LTD. 62

elev td dep\_log rege epct drld qual

1321.0 34.6 0.0 13.1 821200 850100 N

piktyp piknum dtop dbase thiek seanno min cnt\_mkr

1 132120 17.98 25.30 7.32 0 0 UNDEFINED

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siteid cat\_id m twp rg s rs re metn mete nts orig  
1025485 427823 5 46 18 1 1 NE -1027.0-525.0 83c16 R82171

LEXCO TESTING LTD.

62  
elev td dep\_log roge epdt drld qual  
1347.0 60.3 58.5 4.9 820100 870400 N  
ent\_nkr  
piktyp piknum dtop dbase thiek seanno min  
1 132121 18.45 12.98 2.83 0 0 UNDEFINED  
1 132122 50.05 30.96 0.91 0 0 UNDEFINED  
1 132123 51.57 33.43 1.86 0 0 UNDEFINED

siteid cat\_id m twp rg s rs re metn mete nts orig  
1025486 427849 5 46 18 1 1 NE -1035.0-495.0 83c16 R82173

LEXCO TESTING LTD.

62  
elev td dep\_log roge epdt drld qual  
1349.0 79.2 79.2 6.7 820100 870400 N  
ent\_nkr  
piktyp piknum dtop dbase thiek seanno min  
1 132124 17.13 17.53 0.40 20 20 OMBD CE  
1 132125 17.53 17.92 0.39 20 20 OMBD CE  
1 132126 17.92 18.30 0.43 20 20 OMBD CE  
1 132127 18.30 18.68 0.37 0 0 UNDEFINED  
1 132128 20.12 20.54 0.42 23 19 OMBD CE  
1 132129 20.54 21.06 0.52 29 20 OMBD CE  
1 132130 21.06 21.58 0.52 25 19 OMBD CE  
1 132131 21.58 22.04 0.46 25 20 OMBD CE  
1 132132 22.04 22.50 0.46 25 19 OMBD CE  
1 132133 22.50 23.01 0.50 28 15 OMBD CE  
1 132134 23.01 23.51 0.50 30 20 OMBD CE  
1 132135 23.51 24.01 0.50 30 20 OMBD CE  
1 132136 24.01 24.51 0.50 30 20 OMBD CE  
1 132137 24.51 25.01 0.50 32 25 OMBD CE  
1 132138 25.01 25.51 0.50 32 30 OMBD CE  
1 132139 25.51 26.01 0.50 36 35 OMBD CE  
1 132140 26.01 26.51 0.50 36 35 OMBD CE  
1 132141 26.51 27.01 0.50 36 40 OMBD CE

siteid cat\_id m twp rg s rs re metn mete nts orig  
1025487 427856 5 46 18 1 1 NE -928.0-854.0 83c16 R82174

LEXCO TESTING LTD.

62  
elev td dep\_log roge epdt drld qual  
1341.1 92.0 91.4 12.8 820100 840200 N  
ent\_nkr  
piktyp piknum dtop dbase thiek seanno min  
1 132142 29.47 29.94 0.49 0 15 UNDEFINED  
1 132143 29.94 30.18 0.22 0 40 UNDEFINED  
1 132144 30.18 30.45 0.27 0 25 UNDEFINED  
1 132145 31.39 32.06 0.67 0 30 UNDEFINED  
1 132146 32.06 32.34 0.28 0 15 UNDEFINED  
1 132147 32.34 33.28 0.94 0 15 UNDEFINED  
1 132148 33.28 33.62 0.34 0 20 UNDEFINED  
1 132149 33.62 33.83 0.21 0 40 UNDEFINED  
1 132150 33.83 34.99 1.16 0 20 UNDEFINED

siteid cat\_id m twp rg s rs re metn mete nts orig  
1025490 429225 5 46 18 1 1 NE -297.0-1189.0 83c16 R8199

LEXCO TESTING LTD.

62  
elev td dep\_log roge epdt drld qual  
1323.6 94.3 94.5 7.6 810300 860400 N  
ent\_nkr  
piktyp piknum dtop dbase thiek seanno min  
1 132151 25.42 26.43 1.01 0 10 UNDEFINED  
1 132152 27.52 28.65 1.13 0 10 UNDEFINED  
1 132153 30.65 31.26 0.61 75 15 PASKAPOO FM  
1 132154 31.26 31.99 0.73 75 20 PASKAPOO FM  
1 132155 31.99 32.60 0.61 75 15 PASKAPOO FM  
1 132156 32.60 33.41 0.81 75 10 PASKAPOO FM  
1 132157 33.41 34.18 0.77 75 30 PASKAPOO FM  
1 132158 34.18 34.37 0.19 75 15 PASKAPOO FM  
1 132159 34.37 34.49 0.12 75 20 PASKAPOO FM  
1 132160 34.49 34.80 0.31 75 10 PASKAPOO FM

siteid cat\_id m twp rg s rs re metn mete nts orig  
1025491 429233 5 46 18 1 1 NE -321.0-1285.0 83c16 R8198

LEXCO TESTING LTD.

62  
elev td dep\_log roge epdt drld qual  
1323.0 71.2 71.6 12.5 810300 860400 N  
ent\_nkr  
piktyp piknum dtop dbase thiek seanno min  
1 132161 37.12 37.52 0.40 75 30 PASKAPOO FM  
1 132162 38.50 39.50 1.00 75 15 PASKAPOO FM  
1 132163 39.50 40.19 0.69 75 20 PASKAPOO FM  
1 132164 40.77 40.95 0.18 75 10 PASKAPOO FM  
1 132165 40.95 40.99 0.04 75 15 PASKAPOO FM  
1 132166 43.19 43.50 0.31 75 20 PASKAPOO FM  
1 132167 43.50 43.98 0.48 75 15 PASKAPOO FM  
1 132168 43.98 44.11 0.13 75 20 PASKAPOO FM  
1 132169 44.11 44.30 0.19 75 15 PASKAPOO FM  
1 132170 44.30 44.69 0.39 75 30 PASKAPOO FM  
1 132171 44.69 45.03 0.34 75 55 PASKAPOO FM  
1 132172 45.03 45.17 0.14 75 25 PASKAPOO FM  
1 132173 45.17 45.51 0.34 75 45 PASKAPOO FM  
1 132174 45.51 45.78 0.27 75 20 PASKAPOO FM  
1 132175 45.78 46.08 0.30 75 35 PASKAPOO FM

siteid cat\_id m twp rg s rs re metn mete nts orig  
1025496 429262 5 46 18 1 1 NE -286.0-1180.0 83c16 R8193

LEXCO TESTING LTD.

62  
elev td dep\_log roge epdt drld qual  
1325.0 115.0 76.2 6.7 810300 860400 N  
ent\_nkr  
piktyp piknum dtop dbase thiek seanno min  
1 132185 42.46 42.92 0.46 0 10 UNDEFINED  
1 132186 42.92 43.25 0.33 0 20 UNDEFINED  
1 132187 43.25 43.60 0.35 0 15 UNDEFINED  
1 132188 43.60 43.89 0.29 0 20 UNDEFINED  
1 132189 43.89 44.08 0.19 0 15 UNDEFINED  
1 132190 44.08 45.51 1.43 0 10 UNDEFINED  
1 132191 45.51 102.41 2.74 0 0 UNDEFINED

siteid cat\_id m twp rg s rs re metn mete nts orig  
1025498 429217 5 46 18 2 2 NE -471.0-29.0 83c16 R8197

LEXCO TESTING LTD.

62  
elev td dep\_log roge epdt drld qual  
1302.1 60.6 67.1 12.2 810300 860400 N  
ent\_nkr  
piktyp piknum dtop dbase thiek seanno min  
1 132192 39.81 41.00 1.19 30 15 PASKAPOO FM  
1 132193 41.00 42.00 1.00 35 15 PASKAPOO FM  
1 132194 42.00 42.62 0.62 35 20 PASKAPOO FM  
1 132195 42.62 43.09 0.47 35 10 PASKAPOO FM  
1 132196 43.09 43.30 0.21 35 20 PASKAPOO FM  
1 132197 43.30 43.50 0.20 35 20 PASKAPOO FM  
1 132198 43.50 43.50 0.00 35 30 PASKAPOO FM  
1 132199 43.50 43.65 0.15 35 20 PASKAPOO FM  
1 132200 43.65 43.21 0.44 30 25 PASKAPOO FM  
1 132201 43.21 43.40 0.19 100 25 COAL VALLEY CE  
1 132202 43.40 43.66 0.26 100 25 COAL VALLEY CE

sitid eat\_id m twp rg s ra re meth note ntu orig  
1025502 429258 5 46 18 2 2 NE -465.0 -53.0 83e16 RT8196

LEXCO TESTING LTD. 62

elev td dep\_log roge epdt drld qual  
1301.5 51.4 89.5 11.9 81000 860400 N

piktyp piknum dtop dbase thiek seame min ent\_mkr  
1 132203 12.28 12.74 0.46 0 30 UNDEFINED  
1 132204 12.74 13.20 0.46 0 15 UNDEFINED  
1 132205 13.20 13.69 0.49 0 25 UNDEFINED

sitid eat\_id m twp rg s ra re meth note ntu orig  
1025559 427781 5 46 18 12 12 NE -1596.0-938.0 83e16 R81169

LEXCO TESTING LTD. 62

elev td dep\_log roge epdt drld qual  
1339.6 51.4 51.4 19.2 811200 870400 N

piktyp piknum dtop dbase thiek seame min ent\_mkr  
1 132472 62.79 63.24 0.45 0 35 UNDEFINED  
1 132473 63.24 63.70 0.46 0 45 UNDEFINED  
1 132474 63.70 64.27 0.57 0 25 UNDEFINED  
1 132475 64.27 64.82 0.55 0 20 UNDEFINED  
1 132476 64.82 64.92 0.10 0 35 UNDEFINED  
1 132477 73.82 74.01 0.19 20 10 OMBD CE  
1 132478 74.01 74.25 0.24 20 25 OMBD CE  
1 132479 74.25 74.77 0.52 20 20 OMBD CE  
1 132480 74.77 75.29 0.52 0 45 UNDEFINED  
1 132481 75.29 75.84 0.55 23 35 OMBD CE  
1 132482 75.84 76.20 0.36 25 25 OMBD CE  
1 132483 76.20 76.99 0.79 25 20 OMBD CE  
1 132484 76.99 79.55 2.56 25 15 OMBD CE  
1 132485 79.55 79.92 0.37 25 25 OMBD CE  
1 132486 86.62 86.87 0.25 28 20 OMBD CE  
1 132487 86.87 87.42 0.55 28 10 OMBD CE  
1 132488 87.42 87.56 0.14 28 15 OMBD CE  
1 132489 87.56 88.18 0.62 20 20 OMBD CE  
1 132490 88.18 88.39 0.21 28 35 OMBD CE  
1 132491 88.39 88.64 0.25 28 25 OMBD CE

sitid eat\_id m twp rg s ra re meth note ntu orig  
1025543 429407 5 46 18 12 12 NE -1271.0-1522.0 83e16 RT8177

LEXCO TESTING LTD. 62

elev td dep\_log roge epdt drld qual  
1294.0 134.1 133.2 8.2 810200 840100 N

piktyp piknum dtop dbase thiek seame min ent\_mkr  
1 132492 27.60 27.95 0.35 75 30 PASKAPOO FM  
1 132493 28.35 28.59 0.24 75 45 PASKAPOO FM  
1 132494 28.90 29.32 0.42 75 35 PASKAPOO FM  
1 132495 29.82 29.35 0.47 75 10 PASKAPOO FM  
1 132496 29.35 29.57 0.22 75 30 PASKAPOO FM  
1 132497 29.57 29.18 0.39 75 45 PASKAPOO FM  
1 132498 29.18 28.87 0.31 75 10 PASKAPOO FM  
1 132499 30.57 30.31 0.26 75 45 PASKAPOO FM  
1 132500 30.31 31.89 1.58 75 25 PASKAPOO FM  
1 132501 49.87 50.29 0.42 77 15 PASKAPOO FM  
1 132502 50.29 50.60 0.31 77 45 PASKAPOO FM  
1 132503 50.60 50.96 0.36 77 15 PASKAPOO FM  
1 132504 52.00 52.38 0.38 0 15 UNDEFINED  
1 132505 52.38 52.66 0.28 0 20 UNDEFINED  
1 132506 52.66 53.02 0.36 0 15 UNDEFINED  
1 132507 53.02 53.42 0.40 0 10 UNDEFINED  
1 132508 53.42 53.75 0.33 0 30 UNDEFINED  
1 132509 53.75 54.18 0.43 0 20 UNDEFINED  
1 132510 54.18 54.26 0.08 0 20 UNDEFINED  
1 132511 54.26 54.47 0.21 0 30 UNDEFINED  
1 132512 54.47 54.82 0.35 0 25 UNDEFINED  
1 132513 54.82 55.46 0.64 0 20 UNDEFINED  
1 132514 55.46 56.29 0.83 0 20 UNDEFINED  
1 132515 56.29 56.47 0.18 0 30 UNDEFINED  
1 132516 56.47 56.90 0.43 0 25 UNDEFINED  
1 132517 56.90 57.26 0.36 0 45 UNDEFINED  
1 132518 57.26 57.89 0.63 0 15 UNDEFINED  
1 132519 57.89 58.29 0.40 0 25 UNDEFINED  
1 132520 58.29 58.67 0.38 0 40 UNDEFINED  
1 132521 58.67 59.02 0.35 0 25 UNDEFINED

sitid eat\_id m twp rg s ra re meth note ntu orig  
1025564 429415 5 46 18 12 12 NE -1252.0-1547.0 83e16 RT8178

LEXCO TESTING LTD. 62

elev td dep\_log roge epdt drld qual  
1293.0 109.7 106.7 11.3 810300 860400 N

piktyp piknum dtop dbase thiek seame min ent\_mkr  
1 132522 12.50 13.99 1.49 78 10 PASKAPOO FM  
1 132523 13.99 14.39 0.39 75 15 PASKAPOO FM  
1 132524 14.39 17.89 0.61 75 10 PASKAPOO FM  
1 132525 17.89 18.89 0.41 78 20 PASKAPOO FM  
1 132526 18.89 18.47 0.47 75 15 PASKAPOO FM  
1 132527 18.47 18.78 0.31 75 25 PASKAPOO FM  
1 132528 36.27 36.55 0.28 77 20 PASKAPOO FM  
1 132529 36.55 36.74 0.19 77 30 PASKAPOO FM  
1 132530 36.74 37.00 0.26 77 20 PASKAPOO FM  
1 132531 37.00 37.45 0.46 77 10 PASKAPOO FM  
1 132532 44.56 44.74 0.18 80 35 PASKAPOO FM  
1 132533 45.94 45.32 0.28 80 35 PASKAPOO FM  
1 132534 48.32 48.65 0.33 80 30 PASKAPOO FM  
1 132535 81.38 82.14 0.76 80 10 PASKAPOO FM  
1 132536 82.14 82.34 0.20 80 25 PASKAPOO FM  
1 132537 82.34 82.47 0.13 80 10 PASKAPOO FM  
1 132538 82.47 82.78 0.31 80 45 PASKAPOO FM  
1 132539 82.78 83.15 0.37 80 10 PASKAPOO FM  
1 132540 83.15 83.39 0.24 80 20 PASKAPOO FM  
1 132541 83.39 83.73 0.34 80 15 PASKAPOO FM  
1 132542 83.73 85.13 0.23 80 40 PASKAPOO FM  
1 132543 85.13 82.57 0.43 85 45 PASKAPOO FM  
1 132544 92.51 93.71 0.20 85 30 PASKAPOO FM  
1 132545 98.88 99.09 0.21 100 25 COAL VALLEY CE  
1 132546 99.09 99.24 0.15 100 45 COAL VALLEY CE  
1 132547 99.24 99.34 0.10 100 20 COAL VALLEY CE  
1 132548 99.78 100.15 0.38 100 CE COAL VALLEY CE  
1 132549 100.34 100.83 0.49 100 15 COAL VALLEY CE

sitid eat\_id m twp rg s ra re meth note ntu orig  
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LEXCO TESTING LTD. 62

elev td dep\_log roge epdt drld qual  
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piktyp piknum dtop dbase thiek seame min ent\_mkr  
1 132562 42.28 42.58 0.30 40 25 OMBD CE  
1 132563 42.58 42.73 0.15 40 25 OMBD CE

sitid eat\_id m twp rg s ra re meth note ntu orig  
1025567 429571 5 46 18 14 14 NE -1400.0-292.0 83e16 RT8161

LEXCO TESTING LTD. 62

elev td dep\_log roge epdt drld qual  
1275.0 56.0 54.7 12.0 810200 840100 N

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1 132567 13.99 14.37 0.38 20 35 OMBD CE  
1 132568 14.37 15.32 0.96 20 15 OMBD CE  
1 132569 14.72 17.41 0.29 20 15 OMBD CE  
1 132570 17.41 17.40 0.01 20 20 OMBD CE  
1 132571 17.40 17.95 0.55 25 10 OMBD CE  
1 132572 17.95 18.29 0.34 25 05 OMBD CE  
1 132573 18.29 18.53 0.24 25 40 OMBD CE  
1 132574 18.53 18.75 0.22 25 20 OMBD CE  
1 132575 18.75 18.99 0.24 25 10 OMBD CE  
1 132576 18.99 19.17 0.18 25 15 OMBD CE  
1 132577 19.17 19.39 0.22 25 10 OMBD CE  
1 132578 19.39 19.60 0.21 25 20 OMBD CE  
1 132579 19.60 20.30 0.70 25 10 OMBD CE  
1 132580 20.30 20.48 0.18 25 05 OMBD CE  
1 132581 20.48 20.79 0.31 25 10 OMBD CE  
1 132582 20.79 20.86 0.07 25 10 OMBD CE  
1 132583 20.86 20.78 0.08 25 10 OMBD CE  
1 132584 20.78 20.75 0.03 25 10 OMBD CE  
1 132585 20.75 21.15 0.40 25 10 OMBD CE  
1 132586 21.15 21.70 0.55 25 10 OMBD CE  
1 132587 21.70 22.39 0.69 25 10 OMBD CE

1	132608	32.77	33.19	0.42	33	30	ORBD	CI
1	132609	33.68	33.95	0.27	33	30	ORBD	CI
1	132610	38.98	39.32	0.37	36	30	ORBD	CI
1	132611	48.82	49.31	0.49	46	30	ORBD	CI
1	132612	49.83	50.26	0.43	49	30	ORBD	CI

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LEKCO TESTING LTD.

62

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1	132625	20.40	20.52	0.12	18	20	ORBD CI
1	132626	20.92	21.24	0.32	18	25	ORBD CI
1	132627	21.24	21.73	0.49	18	15	ORBD CI
1	132628	22.37	22.62	0.25	18	15	ORBD CI
1	132629	22.62	22.77	0.15	18	25	ORBD CI
1	132630	22.77	22.95	0.18	18	20	ORBD CI
1	132631	28.96	29.32	0.36	20	10	ORBD CI
1	132632	29.32	29.44	0.12	20	25	ORBD CI
1	132633	29.44	29.81	0.37	20	20	ORBD CI
1	132634	29.81	29.85	0.04	20	15	ORBD CI
1	132635	30.03	30.18	0.15	20	20	ORBD CI
1	132636	30.18	30.48	0.30	20	15	ORBD CI
1	132637	31.64	31.85	0.21	23	25	ORBD CI
1	132638	31.85	32.06	0.21	23	40	ORBD CI
1	132639	32.06	32.25	0.19	23	30	ORBD CI
1	132640	32.25	32.40	0.15	25	40	ORBD CI
1	132641	32.40	32.92	0.52	25	30	ORBD CI
1	132642	32.92	33.22	0.30	25	20	ORBD CI
1	132643	33.77	34.14	0.37	25	10	ORBD CI
1	132644	34.14	34.38	0.24	25	15	ORBD CI
1	132645	34.38	34.59	0.21	25	10	ORBD CI
1	132646	34.59	34.75	0.16	25	15	ORBD CI
1	132647	34.75	34.99	0.24	25	10	ORBD CI
1	132648	34.99	35.40	0.41	25	15	ORBD CI
1	132649	44.35	44.59	0.24	0	25	UNDEFINED
1	132650	44.59	45.11	0.52	0	10	UNDEFINED
1	132651	45.11	45.38	0.27	0	20	UNDEFINED
1	132652	45.38	45.72	0.34	0	10	UNDEFINED
1	132653	45.72	46.12	0.40	0	15	UNDEFINED
1	132654	46.12	46.33	0.21	0	25	UNDEFINED
1	132655	46.33	46.63	0.30	0	20	UNDEFINED
1	132656	46.63	46.88	0.25	0	40	UNDEFINED
1	132657	49.16	49.38	0.22	0	25	UNDEFINED
1	132658	49.38	49.56	0.18	0	45	UNDEFINED
1	132659	49.56	49.82	0.27	0	20	UNDEFINED
1	132660	49.82	50.28	0.46	0	45	UNDEFINED
1	132661	50.28	50.47	0.19	0	20	UNDEFINED
1	132662	52.97	53.10	0.13	0	20	UNDEFINED

1	132663	53.40	53.74	0.34	0	15	UNDEFINED
1	132664	57.15	57.30	0.15	0	35	UNDEFINED

**Appendix 4. 83C/16 - Palynological Analysis of AGS Samples Collected in 1993**

**PALYNOLOGICAL ANALYSIS OF  
SAMPLES FROM THE COAL VALLEY  
AREA, ALBERTA**

by  
G. Dolby

Project 93.10  
October 1993

Prepared for:  
The Alberta Research Council  
P.O. Box 8330, Station F  
Edmonton, Alberta  
T6H 5X2

Prepared by:  
G. Dolby, P. Geol.  
6719 Leaside Drive S.W.  
Calgary, Alberta  
T3E 6H6

Polynology Samples '93 ... Coal Compilation Project

RC93-1A ; 537 540E 5 859 532 N ; 83C/16

RC93-5 ; 536 400E 5 859 780 N ; 83C/16

RC93-6 ; 534 662E 5 859 815 N ; 83C/16

RC93-7 ; 529 102E 5 870 587 N ; 83C/15

RC93-8 ; 528 185E 5 871 565 N ; 83C/15

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**CONTENTS**

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SECTION 1            INTRODUCTION..... Page 2

SECTION 2            RESULTS ..... 3



Five samples from the Coal Valley area of Alberta were processed for palynological analysis. Most yielded rich assemblages but RC93-6 was relatively poor. Four of the samples are clearly Maastrichtian in age but the result for RC93-1A is equivocal despite the fact that the sample is from the Coalspur Beds of Palaeocene age. The results are summarised below and described in detail in Section 2.

<b>Sample</b>	<b>Age</b>
RC93-1A	Palaeocene
RC93-5	early Maastrichtian
RC93-6	early Maastrichtian
RC93-7	early Maastrichtian
RC93-8	early Maastrichtian

**SAMPLE:** RC93-1A  
**Age:** Palaeocene, on field evidence

#### Remarks

This sample comes from the Palaeocene Coalspur Beds but the assemblage recovered is unusual. It lacks the Palaeocene angiosperm pollen association which is normally found in these beds but it contains several typically Cretaceous spore species such as *Foraminisporis wonthaggiensis*, *Cicatricosisporites* spp., *Eucommiidites* minor and *Tigrisporites* sp. which were presumably reworked.

Algal cysts of the *Schizosporis* type are abundant but have little stratigraphic value. They occur in the Cretaceous but a "spike" in their abundance has been observed in the basal Palaeocene in some western Canadian localities. This is obviously a response to the environment.

Despite the excellent recovery, there are insufficient data to confirm the age.

#### Significant species

*Schizosporis* spp. (A)  
*Cyathidites* spp. (A)  
*Cicatricosisporites* spp.  
*Tigrisporites* sp.

Bisaccate pollen (A)  
*Lycopodiumsporites* sp.  
*Eucommiidites* minor  
Angiosperm pollen (R)

**SAMPLES:** RC9-5, 6, 7, 8  
**Age:** Late Cretaceous, early Maastrichtian

### Remarks

All four samples contain angiosperm pollen species typical of the Maastrichtian. The species variants recorded are usually found in the early Maastrichtian. No late Maastrichtian forms are present.

Sample RC93-5 contains abundant *Foraminisporis wonthaggiensis* and *Balmeisporites* spp. with small numbers of *Aquilapollenites amplus* and *A. augustus*. Rare brackish or freshwater microplankton are also present.

Sample RC93-6 is dominated by fusinite and palynomorphs are rare. A specimen of *A. funkhouserii* confirms the age.

Sample RC93-7 yielded numerous early Maastrichtian variants of *Pulcherripollenites krempii* and *Manicorpus* sp. as well as *A. quadrilobus*.

Sample RC93-8 contained numerous *Aquilapollenites* species including *A. aff. amplus*, *A. cf. quadrilobus*, *A. funkhouserii* and *A. cf. stelkii*. *Siberiapollis* sp. also confirms the early Maastrichtian age since this species does not range into the late Maastrichtian.

### Significant species

RC93-5	<i>Aequitriradites spinulosus</i> <i>Foraminisporis wonthaggiensis</i> (A) <i>Eucommiidites minor</i> <i>Aquilapollenites amplus</i> <i>Pulcherripollenites krempii</i>  <i>Tetranguladinium</i> sp.	<i>Cicatricosisporites</i> spp. <i>Balmeisporites</i> spp. (A) <i>Schizosporis</i> spp. (R) <i>A. augustus</i> <i>Cranwellia</i> sp.  Dinocyst fragments
RC93-6	<i>Aquilapollenites funkhouserii</i>	<i>Balmeisporites</i> sp.
RC93-7	<i>Pulcherripollenites krempii</i> <i>Manicorpus</i> spp. <i>Schizosporis</i> spp.	<i>Orbiculapollis</i> aff. <i>globosus</i> <i>Aquilapollenites quadrilobus</i> <i>Foraminisporis wonthaggiensis</i>
RC93-8	<i>Aquilapollenites</i> aff. <i>amplus</i> <i>A. funkhouserii</i> <i>Siberiapollis</i> sp.	<i>A. cf. quadrilobus</i> <i>A. cf. stelkii</i>

**Appendix 5. 83C/16 - Coal Quality Analysis of AGS Samples Collected in 1993**

Table I: Vitrinite reflectance data for coals submitted by R. Richardson (Alberta Research Council)

Formation	Coal-Zone	Field No.	Pellet	R <sub>o</sub> (%)	S	N	Comments
Belly River	Lethbridge	RR-93-A1	265/94	0.37	0.03	50	
Belly River	Taber (?)	RR-93-B	266/94	0.42	0.04	35	Shaley coal
Coalspur	Coalspur	RC-93-1	267/94	0.53	0.05	50	weathered
Coalspur	Coalspur	RC-93-2	268/94	0.59	0.03	50	
Coalspur	Coalspur	RC-93-3	269/94	0.61	0.04	50	
Coalspur	Coalspur	RC-93-4	270/94	0.58	0.04	50	
Coalspur	Coalspur	WL-93-138	277/94	0.56	0.03	50	
Paskapoo	Obed	RC-03-11	275/94	0.68	0.04	50	
Paskapoo	Obed	RC-93-13	276/94	0.68	0.03	50	
Gates	-	RC-93-10A	271/94	1.49	0.04	50	
Gates	-	RC-93-10B	272/94	1.42	0.05	50	Shaley coal
Gates	-	RC-93-10C	273/94	1.35	0.04	50	
Gates	-	RC-93-10D	274/94	1.39	0.05	50	

NTS:  
83C/16 \*

\* 537 540 E  
5 859 532 N

A N A L Y S I S R E P O R T

Sample # 941115

Customer Information

NAME RICK RICHARDSON  
DEPARTMENT GEOL  
PROJECT 40372500  
DUE DATE 10-Nov-1993

DATE SUBMITTED 27-Oct-1993

CUSTOMER # RC-93-1

SAMPLE TYPE Coal

E L E M E N T A L A N A L Y S I S

Remarks: N O N E

Result #: 1

Name	As			UNITS	# Avg
	Analyzed	MF	MAF		
Moisture	25.1			WT %	2
Ash	9.9	13.1		WT %	2
C	46.3	61.8	71.2	WT %	2
H	2.3	3.1	3.5	WT %	2
N	0.58	0.77	0.89	WT %	2
S	0.43	0.57	0.66	WT %	2

NOTE: H values do not include % H of moisture

Analyst: RE

Compl'n Date: 4-Nov-1993

AUTHORIZED BY:



SIGNED BY:

LOCATION: B3C/16 ; 537 540E

5859 532N

A N A L Y S I S   R E P O R T

Sample # 941115

Customer Information

NAME RICK RICHARDSON  
DEPARTMENT GEOL  
PROJECT 40372500  
DUE DATE 10-Nov-1993

DATE SUBMITTED 27-Oct-1993

CUSTOMER # RC-93-1

SAMPLE TYPE Coal

P R O X I M A T E   A N A L Y S I S

Remarks: N O N E

Method used: COAL ANALYSER

Result #: 1

Name	AR	MF	MAF	UNITS	# Avg
Moisture	25.1			WT %	2
Ash	9.9	13.1		WT %	2
Vol Mat	28.7	38.3	44.1	WT %	2
Fixed C	36.4	48.5	55.9	WT %	2

Analyst: RE

Compl'n Date: 4-Nov-1993

AUTHORIZED BY:



SIGNED BY:

LOCATION : 83C/16 ; 537 540 E  
5859 532 N

A N A L Y S I S   R E P O R T

Sample # 941116

Customer Information

NAME RICK RICHARDSON  
DEPARTMENT GEOL  
PROJECT 40372500  
DUE DATE 10-Nov-1993

DATE SUBMITTED 27-Oct-1993

CUSTOMER # RC-93-2

SAMPLE TYPE Coal

E L E M E N T A L   A N A L Y S I S

Remarks: N O N E

Result #: 1

Name	As Analyzed	MF	MAF	UNITS	#	Avg
Moisture	8.1			WT %	2	
Ash	19.6	21.3		WT %	2	
C	56.6	61.6	78.2	WT %	2	
H	3.7	4.0	5.1	WT %	2	
N	0.76	0.83	1.05	WT %	2	
S	0.52	0.57	0.72	WT %	2	

NOTE: H values do not include % H of moisture

Analyst: RE

Compl'n Date: 4-Nov-1993

AUTHORIZED BY:



SIGNED BY:

LOCATION: 83C/16 ; 537 540E  
5859 532N



A N A L Y S I S   R E P O R T

Sample # 941116

Customer Information

NAME RICK RICHARDSON  
DEPARTMENT GEOL  
PROJECT 40372500  
DUE DATE 10-Nov-1993

DATE SUBMITTED 27-Oct-1993

CUSTOMER # RC-93-2

SAMPLE TYPE Coal

P R O X I M A T E   A N A L Y S I S

Remarks: N O N E

Method used: COAL ANALYSER

Result #: 1

Name	AR	MF	MAF	UNITS	#	Avg
Moisture	8.1			WT %	2	
Ash	19.6	21.3		WT %	2	
Vol Mat	29.3	31.8	40.5	WT %	2	
Fixed C	43.1	46.9	59.5	WT %	2	

Analyst: RE

Compl'n Date: 4-Nov-1993

AUTHORIZED BY:



SIGNED BY:

LOCATION: B3C/16 ; 537 540 E  
5859 532 N

A N A L Y S I S   R E P O R T

Sample # 941117

Customer Information

NAME RICK RICHARDSON  
DEPARTMENT GEOL  
PROJECT 40372500  
DUE DATE 10-Nov-1993

DATE SUBMITTED 27-Oct-1993

CUSTOMER # RC-93-3

SAMPLE TYPE Coal

E L E M E N T A L   A N A L Y S I S

Remarks: N O N E

Result #: 1

Name	As Analyzed	MF	MAF	UNITS	#	Avg
Moisture	8.5			WT %	2	
Ash	17.4	19.0		WT %	2	
C	57.9	63.3	78.1	WT %	2	
H	4.1	4.5	5.5	WT %	2	
N	0.85	0.93	1.15	WT %	2	
S	0.39	0.43	0.53	WT %	2	

NOTE: H values do not include % H of moisture

Analyst: RE

Compl'n Date: 4-Nov-1993

AUTHORIZED BY:



SIGNED BY:

LOCATION : B3C/16 ; 537 540E  
5859 532N

A N A L Y S I S   R E P O R T

Sample # 941117

Customer Information

NAME RICK RICHARDSON  
DEPARTMENT GEOL  
PROJECT 40372500  
DUE DATE 10-Nov-1993

DATE SUBMITTED 27-Oct-1993

CUSTOMER # RC-93-3

SAMPLE TYPE Coal

P R O X I M A T E   A N A L Y S I S

Remarks: N O N E

Method used: COAL ANALYSER

Result #: 1

Name	AR	MF	MAF	UNITS	# Avg
Moisture	8.5			WT %	2
Ash	17.4	19.0		WT %	2
Vol Mat	31.1	33.9	41.9	WT %	2
Fixed C	43.1	47.1	58.2	WT %	2

Analyst: RE

Compl'n Date: 4-Nov-1993

AUTHORIZED BY:



SIGNED BY:

LOCATION: 83C/16; 537 540E  
5859 532N

A N A L Y S I S R E P O R T

Sample # 941118

Customer Information

NAME RICK RICHARDSON  
DEPARTMENT GEOL  
PROJECT 40372500  
DUE DATE 10-Nov-1993

DATE SUBMITTED 27-Oct-1993

CUSTOMER # RC-93-4

SAMPLE TYPE Coal

E L E M E N T A L A N A L Y S I S

Remarks: N O N E

Result #: 1

Name	As Analyzed	MF	MAF	UNITS	# Avg
Moisture	10.2			WT %	2
Ash	9.5	10.6		WT %	2
C	61.5	68.5	76.6	WT %	2
H	3.6	4.0	4.5	WT %	2
N	0.72	0.80	0.90	WT %	2
S	0.18	0.20	0.22	WT %	2

NOTE: H values do not include % H of moisture

Analyst: RE

Compl'n Date: 4-Nov-1993

AUTHORIZED BY:

SIGNED BY:

LOCATION : 83C/16 ; 537540E  
5859532N

A N A L Y S I S   R E P O R T

Sample # 941118

Customer Information

NAME RICK RICHARDSON  
DEPARTMENT GEOL  
PROJECT 40372500  
DUE DATE 10-Nov-1993

DATE SUBMITTED 27-Oct-1993

CUSTOMER # RC-93-4

SAMPLE TYPE Coal

P R O X I M A T E   A N A L Y S I S

Remarks: N O N E

Method used: COAL ANALYSER

Result #: 1

Name	AR	MF	MAF	UNITS	# Avg
Moisture	10.2			WT %	2
Ash	9.5	10.6		WT %	2
Vol Mat	29.2	32.5	36.4	WT %	2
Fixed C	51.1	56.9	63.6	WT %	2

Analyst: RE

Compl'n Date: 4-Nov-1993

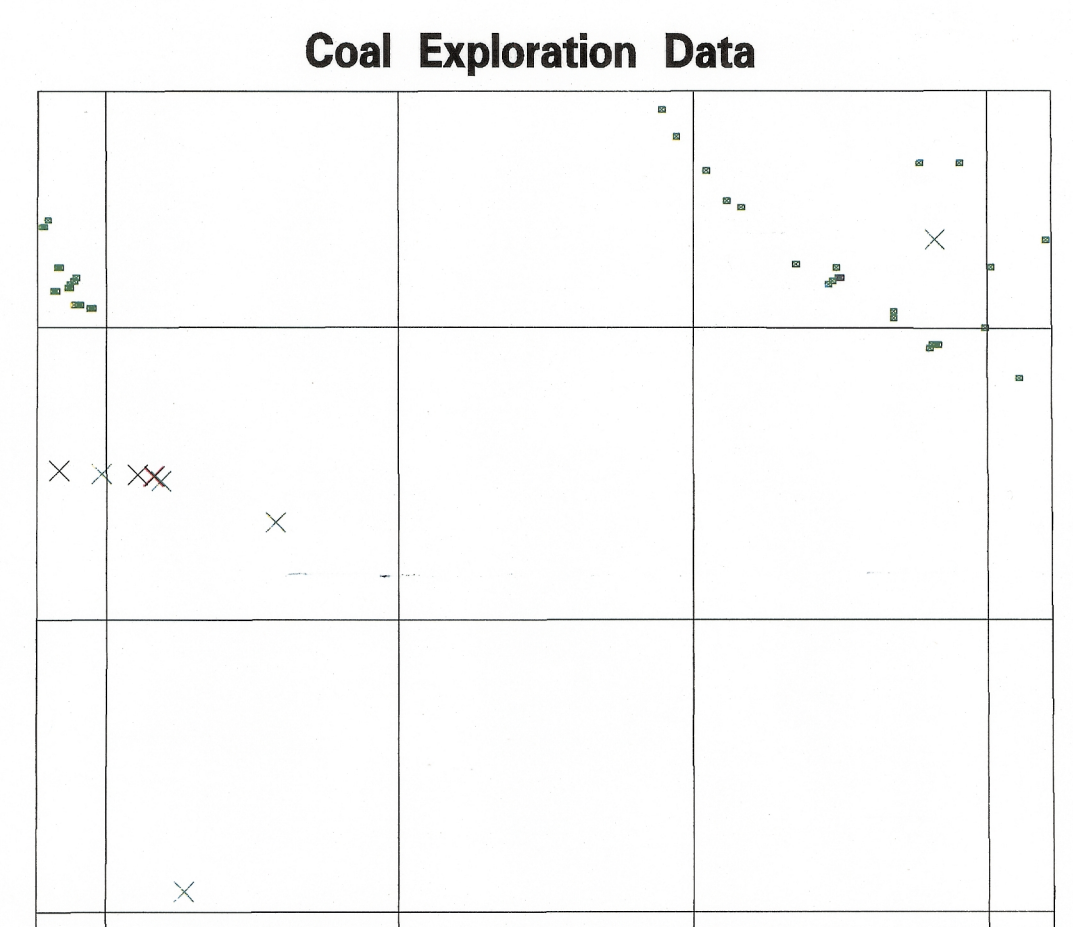
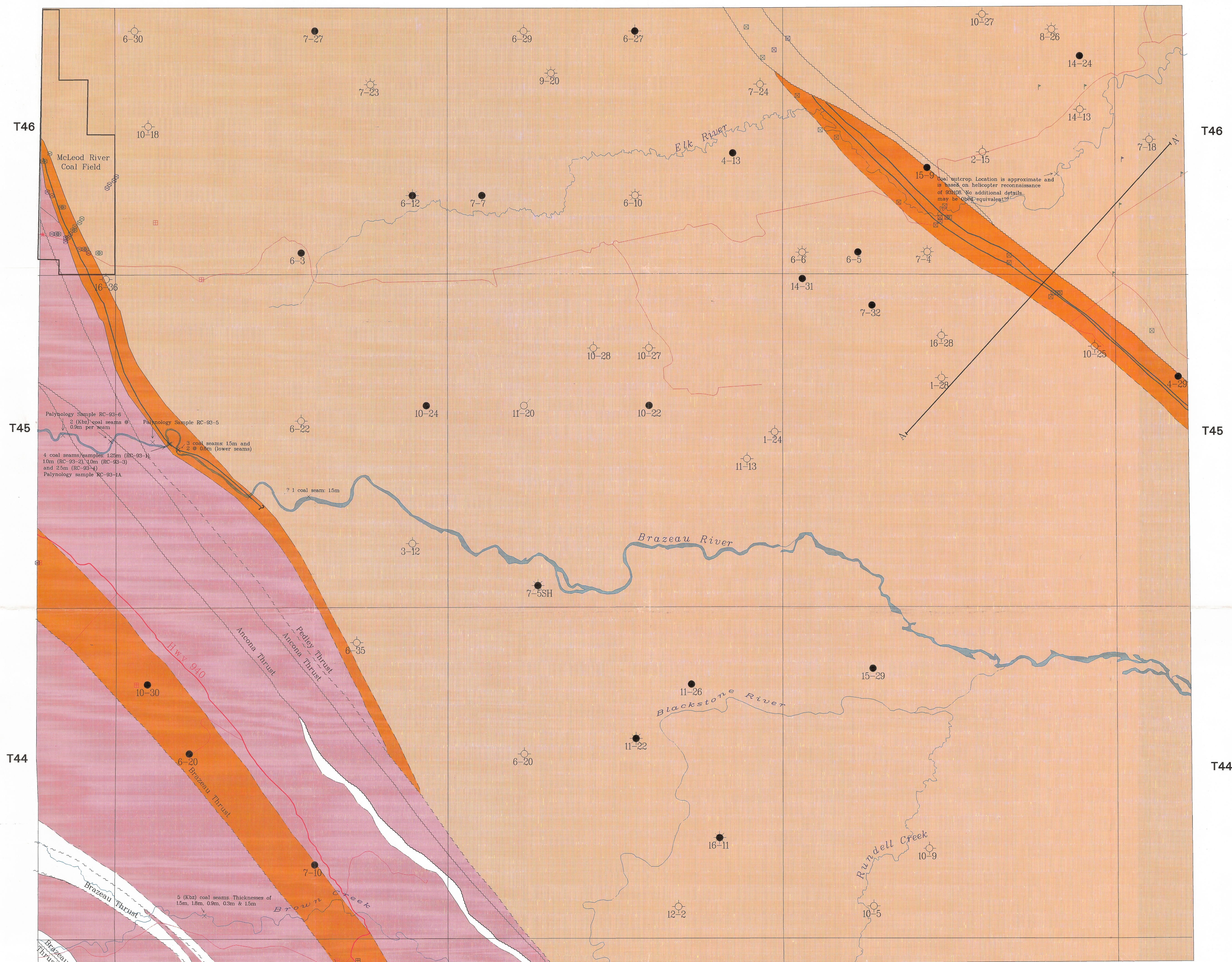
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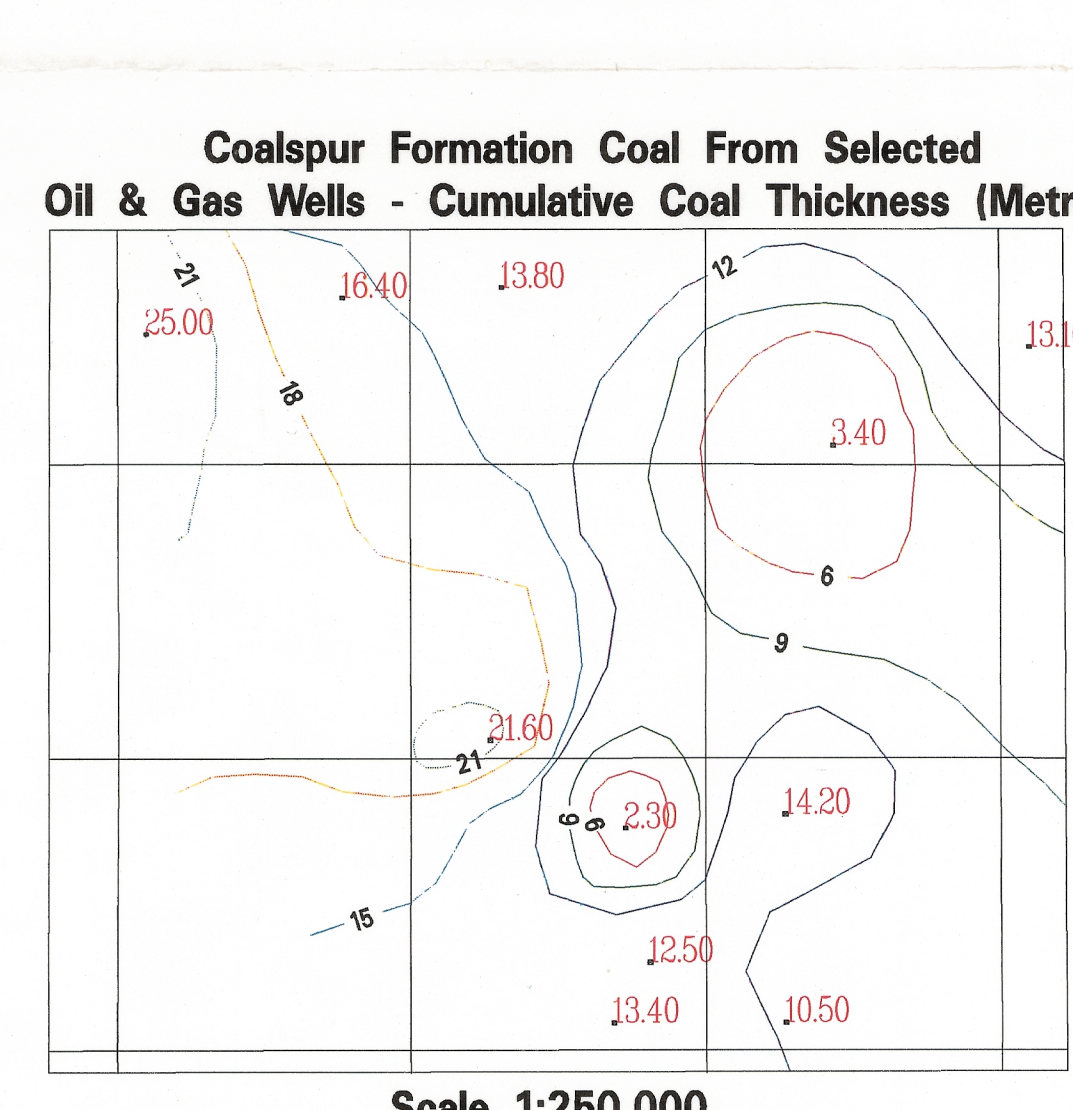
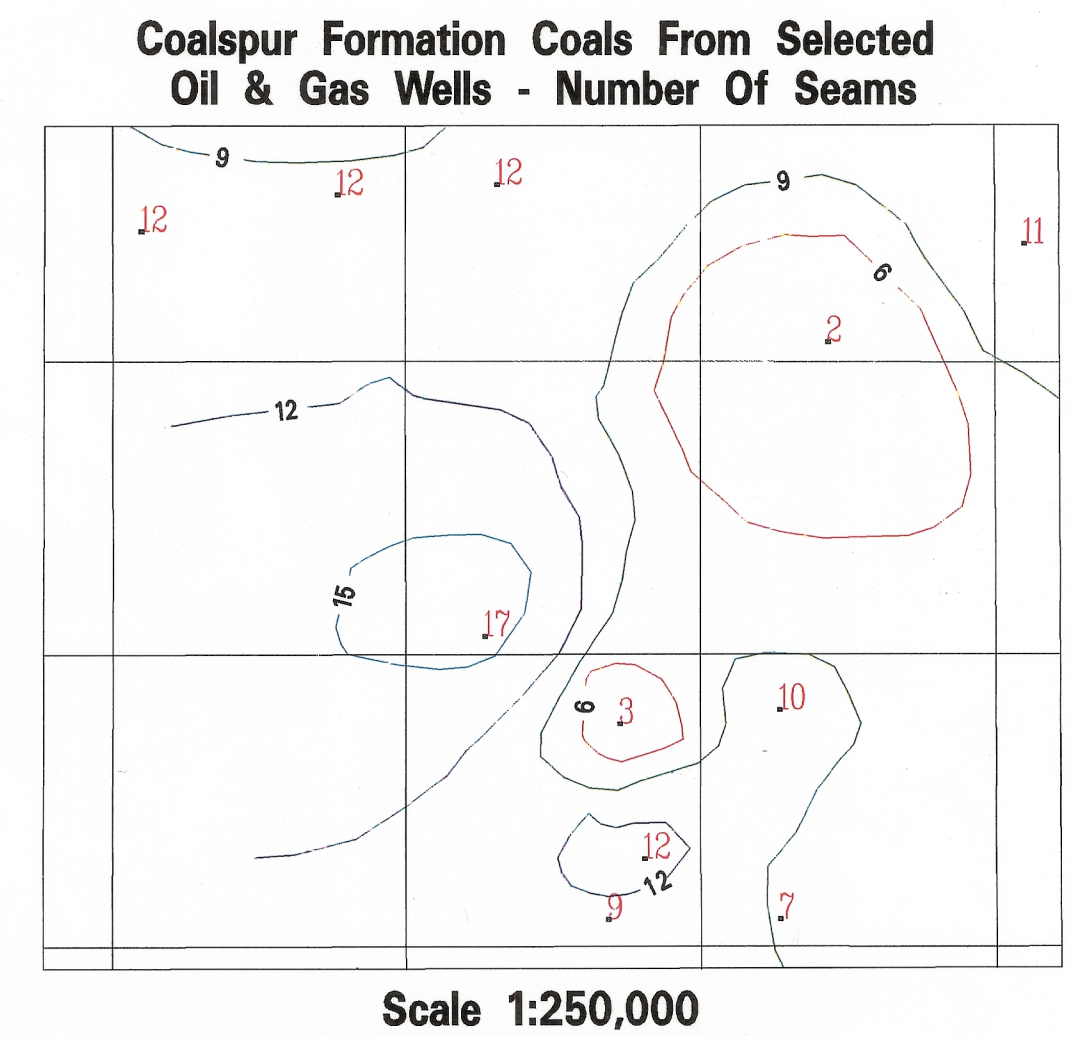
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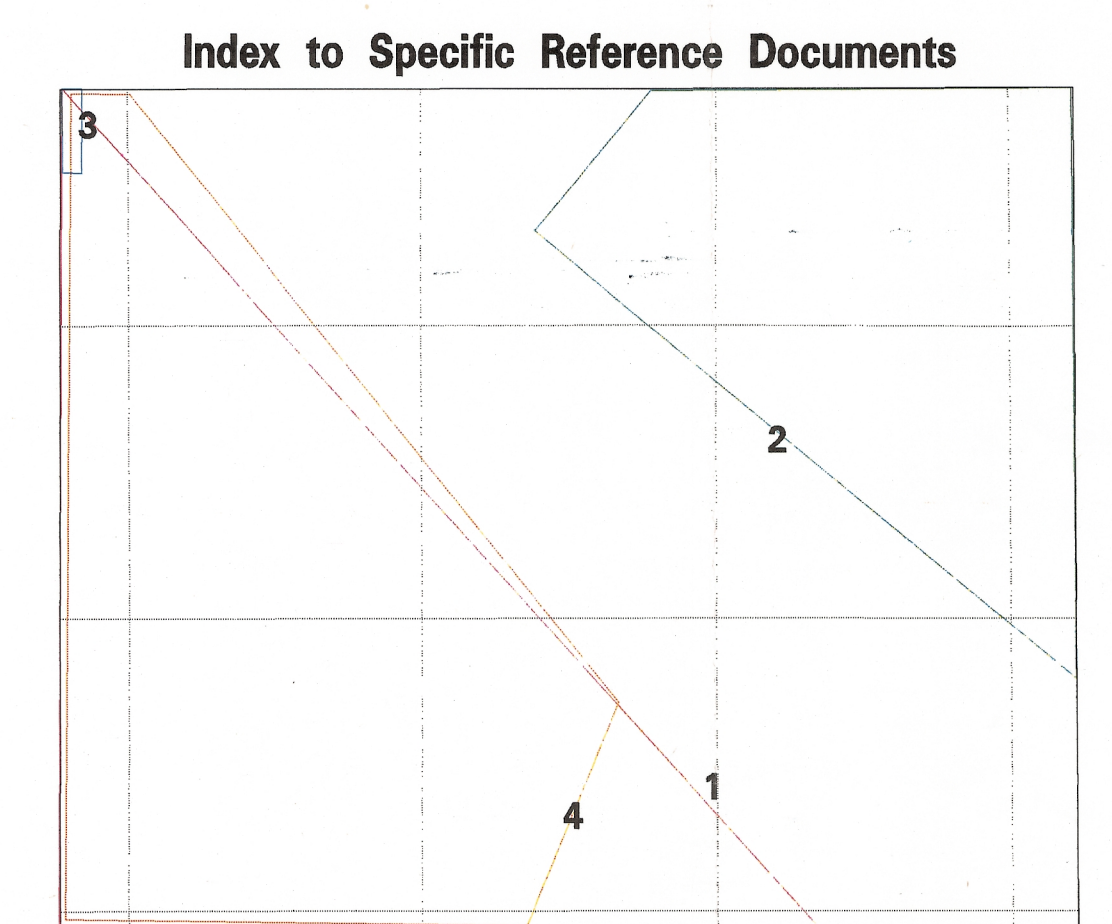
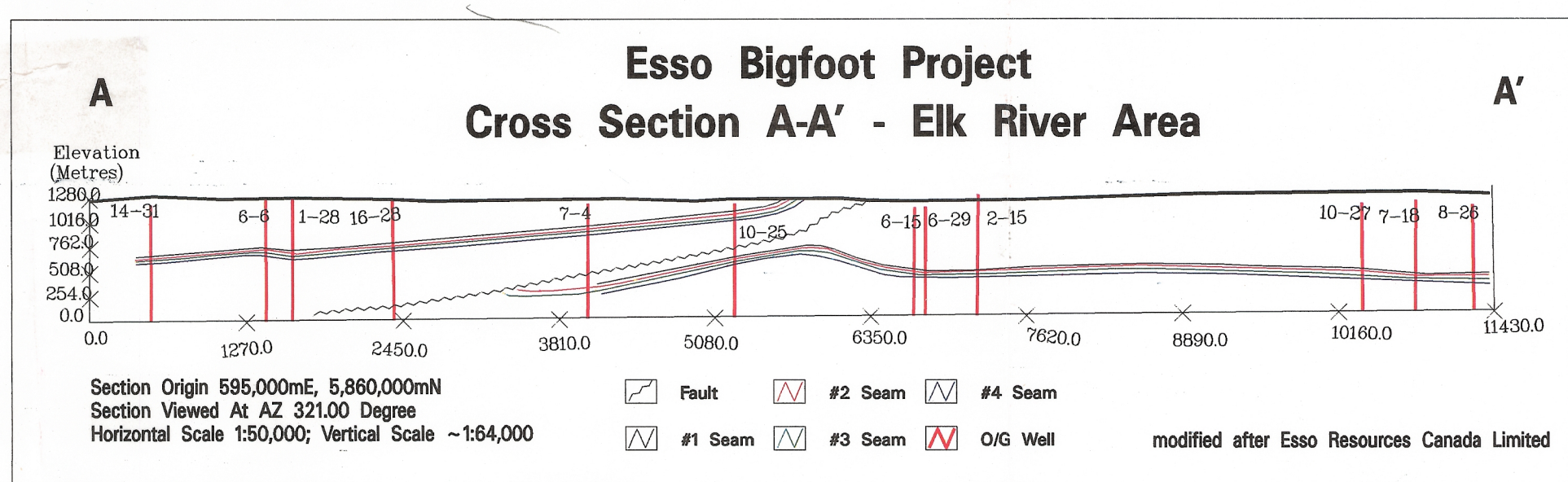
5859 532N



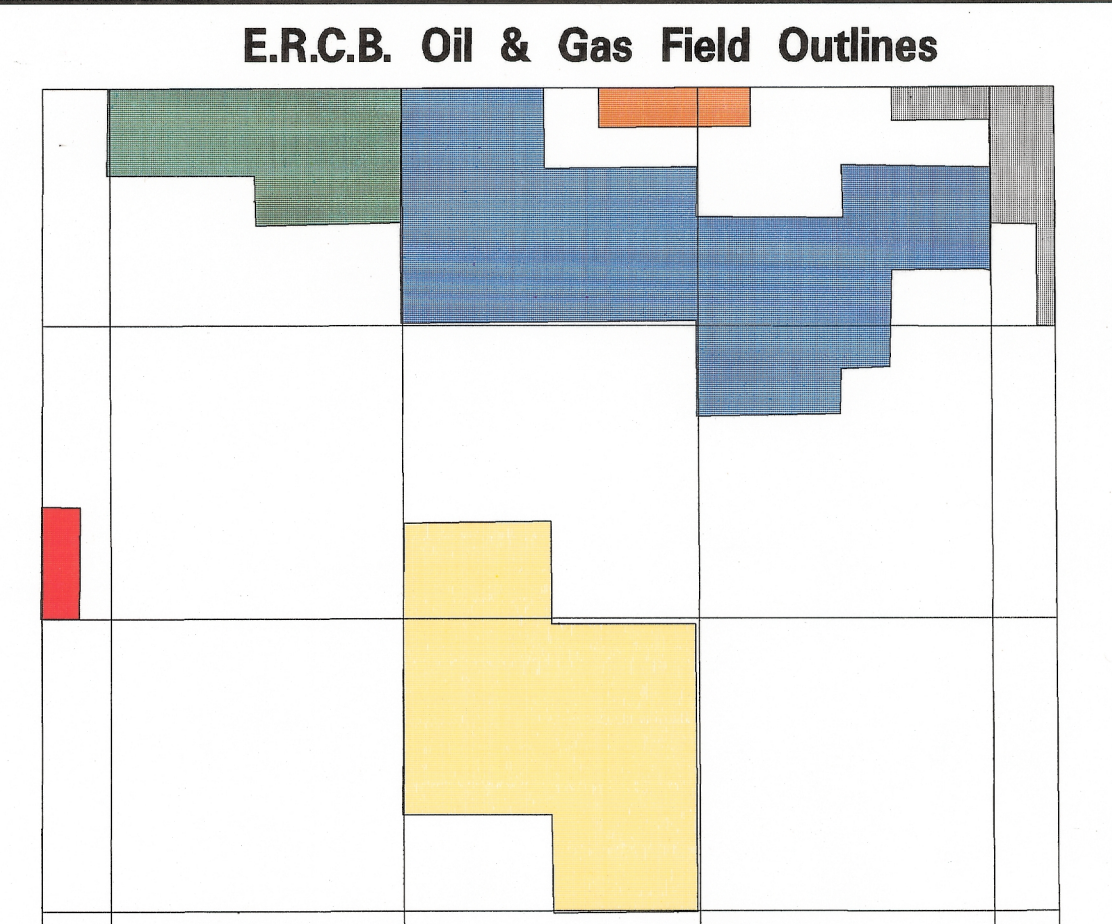
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  - ⊗ Coal Outcrop, With Coal Quality
  - ⊗ Coal Outcrop, With No Coal Quality
  - ⊗ Palynology Sample Site (Alberta Geological Survey '93)



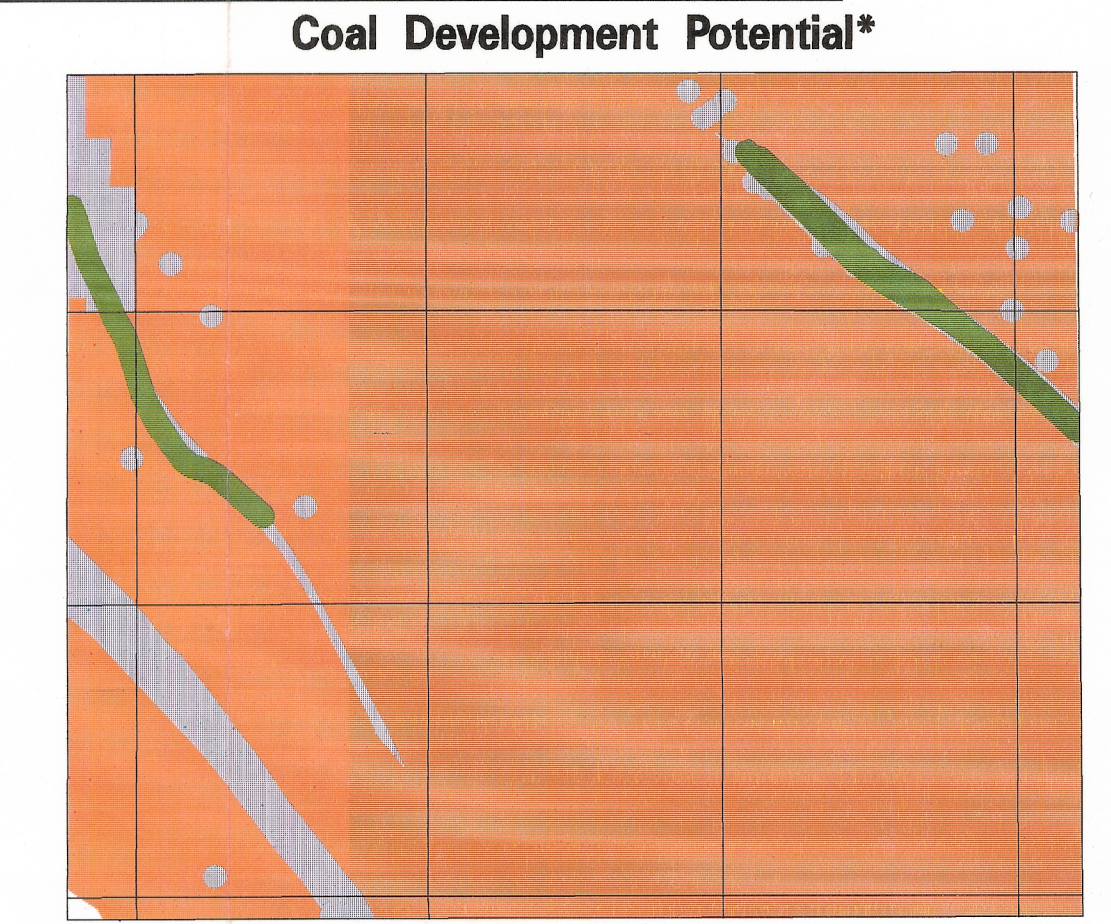
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81034	10-9	10.5	108.0	762.0
81036	15-29	14.2	204.5	700.7
81037	12-2	13.4	165.0	880.0
81038	18-11	12.6	211.0	857.0
81041	11-26	2.3	62.8	911.2
83188	7-5	21.8	205.7	671.9
84872	7-18	13.1	171.8	786.4
84883	7-4	3.4	6.8	667.2
84891	9-20	13.8	199.0	727.0
84907	10-18	25.0	259.2	752.0
84908	7-23	16.4	211.6	745.6



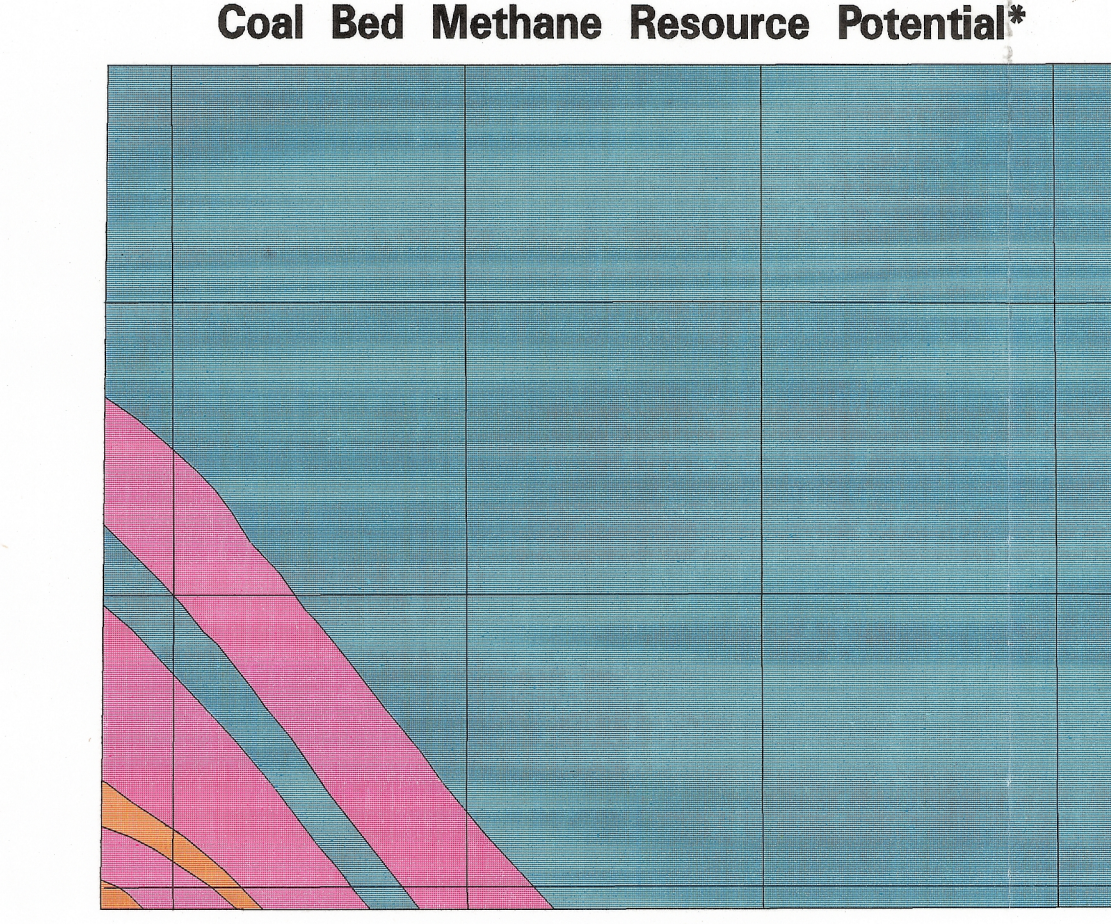
- Scale 1:250,000
- INDEX TO SPECIFIC REFERENCE DOCUMENTS FOR THE MAPSHEET NTS 83C/16
- MacKay, B.R. 1943. FOOTHILLS BELT OF CENTRAL ALBERTA. Geological Survey of Canada. Preliminary Map 43-3. Scale 1 inch: 2 miles. Outline identified as 1 on GIS plot.
  - Esso Resources Canada Limited. 1984. BIGFOOT-SYLVESTER RECONNAISSANCE AREA. Information was derived from a number of original (mylar) maps, drawings and sections et al that were provided to the AGS, by Esso Resources Canada Limited. Outline identified as 2 on GIS plot.
  - Dunn, J. 1992-02. LENDRUM CREEK PROPERTY. Esso Minerals Canada - Coal Department. Outline identified as 3 on GIS plot.
  - Allan, J.A. and Rutherford, R.L. 1924. GEOLOGY ALONG THE BLACKSTONE, BRAZEAU AND PEMBINA RIVERS IN THE FOOTHILLS BELT, ALBERTA. Alberta Scientific and Industrial Research Council, Geological Division. Report No.9 (includes Map No.5). Scale 1:126,720. Outline identified as 4 on GIS plot.



- Scale 1:250,000
- Blackstone Gas Field
  - Brazeau River Gas Field
  - Columbia Gas Field
  - Hanlan Gas Field
  - Peco Gas Field
  - Voyager Gas Field

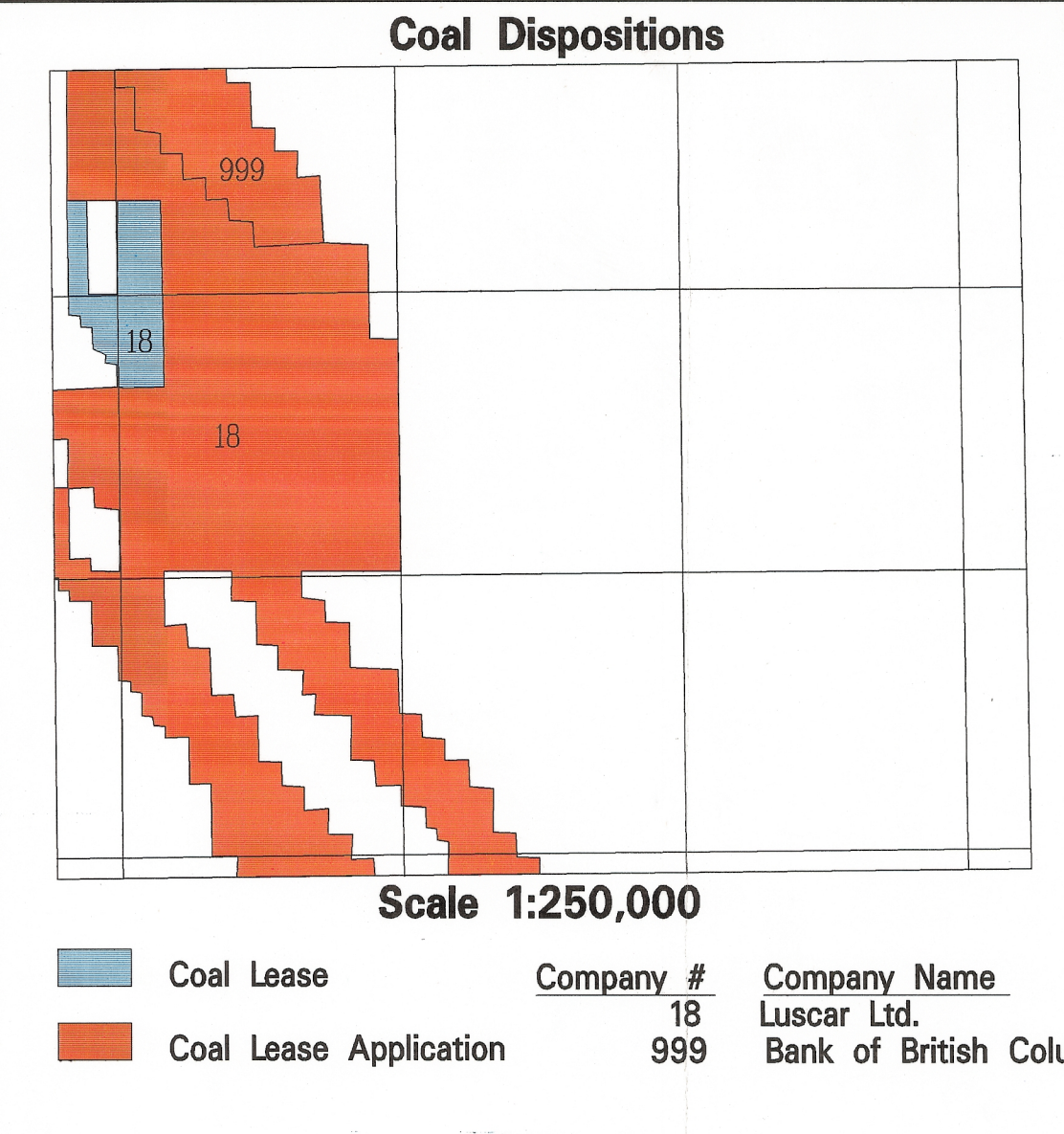


- Scale 1:250,000
- High Potential
  - Medium Potential
  - Low Potential
  - No Data Available

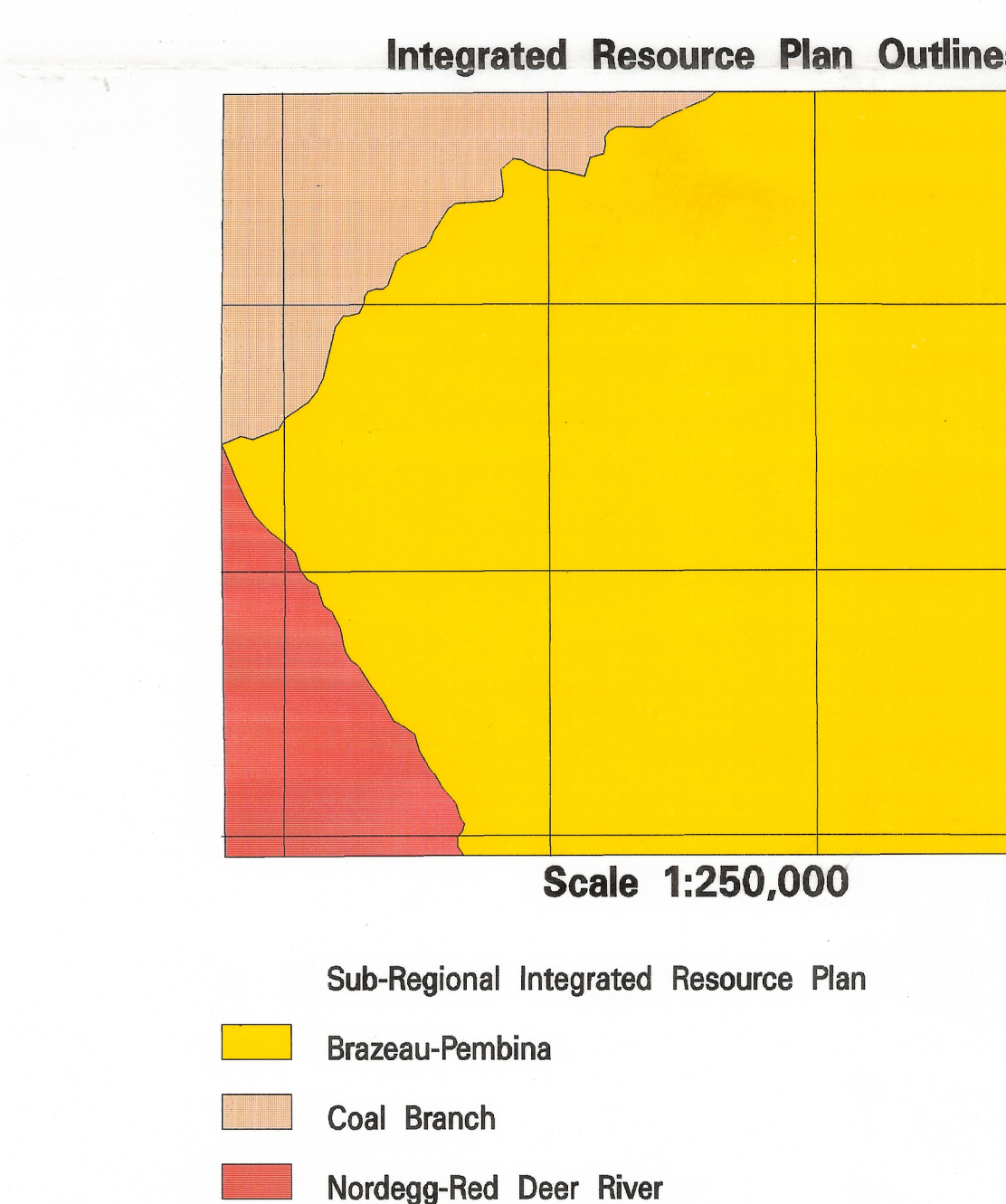


- Scale 1:250,000
- Excellent
  - Very Good
  - Good
  - Fair To Poor
  - Poor To Nil

- Blackstone River Map (1:50,000) Legend**
- Fault
  - Fault (Assumed)
  - Formation Boundary (Assumed)
  - Coal Seam Subcrop (Approximate)
  - Coal Outcrop
  - Palynology Sample Location
  - Paskapoo Formation
  - Coalspur Formation
  - Brazeau Formation
  - Undifferentiated Strata
  - E.R.C.B. Coal Field Outline
  - Road or Trail
  - Secondary Hwy 940
  - River
  - ESSO Line of Cross Section: Elk River Area
  - Oil & Gas Location (Abandoned)
  - Oil & Gas Location (Capped)
  - Oil & Gas Location (Flowing)
  - Oil & Gas Location (Status Unknown)
  - Oil & Gas Location (Suspended)
  - Drillhole, Esso Resources Canada Ltd. (Coal Intersected)
  - Drillhole, Esso Resources Canada Ltd. (No Coal Intersected)
  - Drillhole, Imperial Oil Ltd. (Coal Intersected)
  - Drillhole, Imperial Oil Ltd. (No Coal Intersected)
  - Lexco Testing Ltd. (Coal Intersected)
  - Lexco Testing Ltd. (No Coal Intersected)
  - Luscar Ltd. (Coal Intersected)
  - Luscar Ltd. (No Coal Intersected)
  - Shell Canada Resources Ltd. (No Coal Intersected)
- RELIABILITY AND USE**
- Information contained on this map sheet has been derived from a number of different sources, scales and formats (digital and hard copy). While every attempt has been made to accurately portray the data, this map is intended to provide a basic compilation and overview of Coal Resources; for more specific informational needs please contact the Head, Minerals and Coal Geoscience Section, Alberta Geological Survey, Alberta Research Council, P.O. Box 8330, Edmonton, Alberta, T6H 5X2.
- FUNDING**
- Funds for this project have been provided by the Alberta Department of Energy and by the Alberta Research Council.



- Scale 1:250,000
- Coal Lease
  - Coal Lease Application
  - Company # 18
  - Company Name Luscar Ltd.
  - Company # 999
  - Company Name Bank of British Columbia



- Scale 1:250,000
- Sub-Regional Integrated Resource Plan
- Brazeau-Pembina
  - Coal Branch
  - Nordegg-Red Deer River

NOTE

\* Insets of 'Coal Development Potential' and 'Coal Bed Methane Resource Potential' are semiquantitative and subjective evaluations of the potential of the coal development based on limited data and reflecting current technology and general economic factors. CAUTION SHOULD BE EMPLOYED IN THE USE OF THESE ANALYSES! The analyses are based on mainly geological criteria and do not take into account governmental restrictions or evaluate actual economic constraints to development now or in the future. To establish a 'potential map' for a unique set of criteria, please contact the AGS.

## Regional Coal Mapping Blackstone River, Alberta - NTS 83C/16

R.J.H. Richardson, W. Langenberg, D.K. Chao, D. Fietz\*

Original Compilation: 1992  
Revised and Released: 1994  
Alberta Research Council Map : RCM14

\* ELAD Enterprises Inc.

