MAR 19970003: FORT HILLS

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19970003

PERMIT NO. 9395010001

ASSESSMENT WORK REPORT

PERIOD JANUARY 23, 1995 TO JANUARY 23, 1997

Submitted By:

Solv-Ex Corporation
Aldo Corti, P.Eng.

Submitted To:

Alberta Energy

May 1997

TABLE OF CONTENTS

1. SUMMARY

Solv-Ex Corporation is the holder of the Metallic & Industrial Minerals Permit No. 9395010001.

Solv-Ex is in the process of testing bitumen and alumina recovery from a 60 ha area within the boundaries of the Permit No. 9395010001.

Solv-Ex has carried out various programs for drilling and analytical data collection during the period January 1995 to January 1997.

In total, the expenditures during the period were in excess of $800,000.

The results collected to-date indicate that the commercial development of the alumina recovery is viable.

Solv-Ex will continue to implement programs aiming at the complete definition of the reserves and the commercial development of the deposit.

2. INTRODUCTION

Solv-Ex Corporation is the legal holder of the Metallic & Industrial Minerals Permit No. 9395010001.

In 1995, Solv-Ex has filed an application will Alberta Environmental Protection (AEP) and with Alberta Energy and Utility Board (AEUB) for an experimental scheme to test proprietary technologies in the field of bitumen and minerals recovery.

The plant and the relevant mine are located within the legal boundaries of Lease 5 (where the Permit No. 9395010001 applies).

As part of the project activities, Solv-Ex has carried out four (4) different drilling programs in the area of the approved mine.

The work completed to-date includes:

- 10 coreholes in the McMurray & Devonian formations plus 20 boreholes in the overburden formation in 1995.
- 6 coreholes in the McMurray and Devonian formations plus 13 boreholes in the overburden formation in 1996.

- 8 coreholes in the McMurray and Devonian formations in 1997.

In addition to the field work and the compiling of the data, Solv-Ex has also engaged Ryder Scott of Calgary for an independent evaluation of the database and an independent estimate of the natural resources in Lease 5 and 52.

The cover letter summarizing the results of the study is attached in the Appendix.

Due to the confidential nature of the report, the full report has not been attached.

3. LOCATION AND ACCESS

Maps showing the location of the holes drilled in 1995, 1996 and 1997 respectively are attached in the Appendix.

The work has been concentrated in the 60 ha area of the mine as per AEUB approval. The area is all within the legal boundaries of Lease 5 and of the Permit No. 9395010001.

4. WORK PERFORMED

Four separate drilling programs and an evaluation of the reserves study are part of the work performed.

The drilling programs have been planned and implemented under AEUB permits. Planning and overall management of the programs were the responsibility of Solv-Ex under the direct supervision of Gary Mailloux.

The field programs were also supervised by Solv-Ex personnel. The drilling has been performed by Elgin Exploration. The collection of the cores was performed with the assistance of Clifton & Associates of Calgary. The geological description of the cores was the responsibility of Adel Tammam of Independent Project Supply. AGAT Laboratories was contracted for the handling and slabbing of the cores, as well as, for the analysis and the compilation of the results.

Bitumen, water and solids content of the samples (chosen according to the geological lithophases) were analyzed using Dean & Stark analytical procedure.

Particle size distribution was determined by wet sieve and hydrometers techniques. Mineralogy was determined by atomic absorption or Induced Plasma techniques.

A separate program aiming at the determination of the amount of gold and other precious metals in the cores was initiated in 1996. Samples of solids were collected and sent to a specialized laboratory in Ontario. The analytical work is still in progress and no data is available at the present time.

All the analytical results are summarized in the Appendix. The results are divided according to the various drilling programs. The amount of alumina was of particular interest to Solv-Ex. Using part of the cores collected during the 1995 drilling program, a mineral characterization analytical program was carried out. The results are shown in the Appendix .

In total, during the period January 1995 to January 1997, 24 coreholes were drilled, recovered and analyzed.

In addition, approximately 24 boreholes in the overburden layer were also drilled. Some of the samples recovered were analyzed for minerals characterization.

Solv-Ex, in 1995, decided to engage an external consulting firm to independently assess and evaluate the reserves (bitumen and minerals) available on Leases 5 and 52. In particular, Lease 5 is the area subject to permit No. 9395010001.

Ryder Scott Company of Calgary prepared the report: ***"Estimated Reserves and Evaluation of Economic Viability of an Oil Sands Co-Production Experimental Project."***

Although the report is considered highly confidential by Solv-Ex the cover letter showing the main findings is appended in the Appendix.

The 1995 corehole program is comprised of 10 holes. The cost of the program has been in excess of $350,000 (inclusive of some overburden holes).

The 1996 corehole program is comprised of 6 holes. The cost of the program has been in excess of $200,000 (inclusive of some overburden holes).

The 1997 corehole program is comprised of 8 holes. The cost of the program has been in excess of $250,000.

Overburden holes were also drilled during the 1995 winter (approx. 20 holes) and the 1996 winter (approx. 13 holes).
All drilling programs have been performed according to AEUB guidelines. The results of the programs have been filed with AEUB.

5. CONCULSIONS

The results of the drilling program and the reserves evaluation study performed by Ryder Scott confirm the presence of valuable Metallic and Industrial Minerals in the area covered by permit No. 9395010001.

Solv-Ex is undertaking an experimental project (under AEP and AEUB approvals) to recover bitumen from the McMurray formation, as well as, alumina and alumina derivatives, from the overburden and the McMurray formation within a 60 ha area approved for mining.

Furthermore, the data collected indicates that the amount of alumina in the area is large enough to support commercial development of the resources in conjunction with bitumen extraction.

Solv-Ex will continue to implement the experimental program and additional drilling programs with the scope of defining process and operating parameters for commercial development of the resources.

APPENDIX

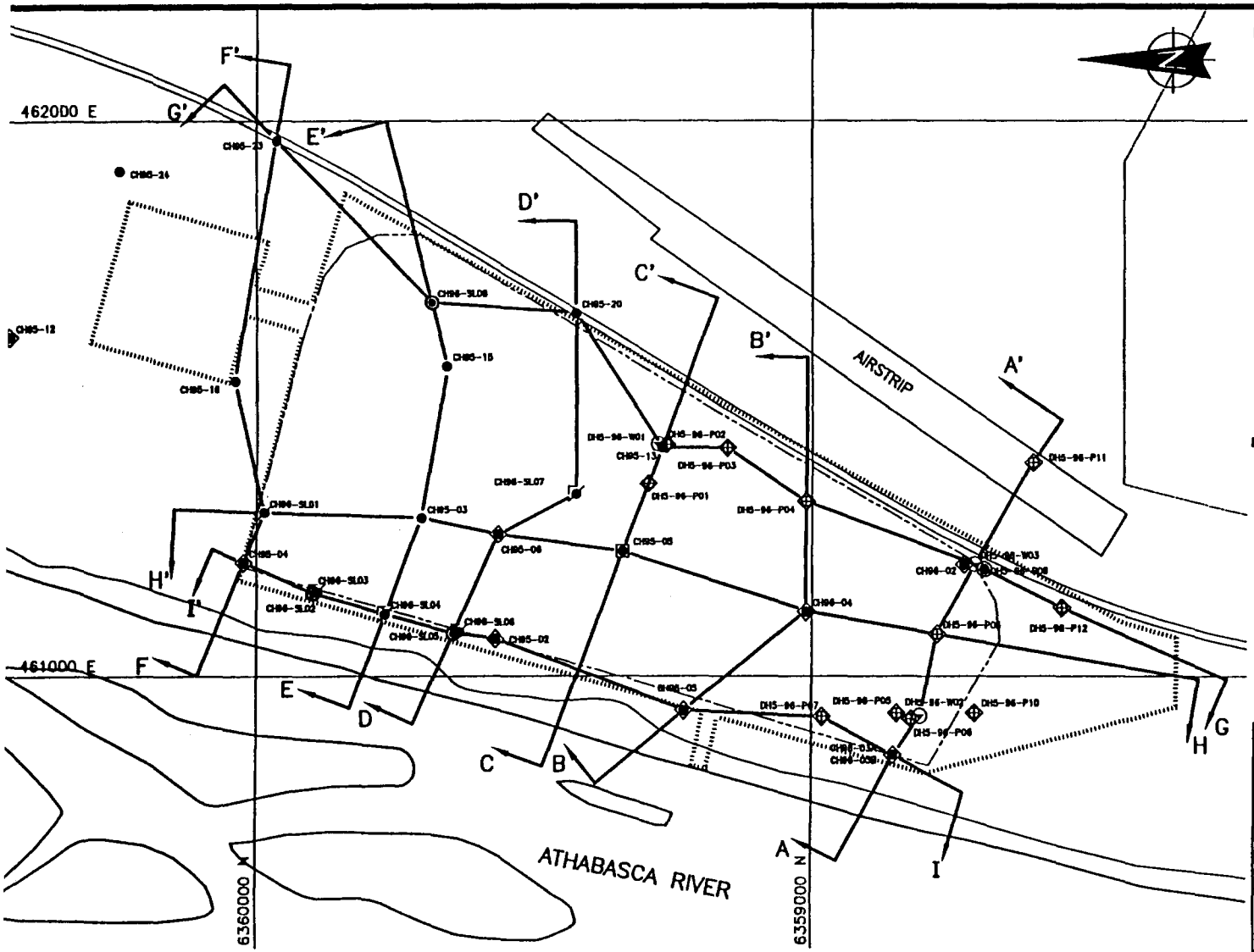
SOLV-EX CORPORATION

SOLV-EX CORE HOLES
CROSS REFERENCE LISTING

SOLV-EX HOLE NO.	AEUB UNIQUE IDENTIFIER	DATE CORED
5-95-03	AG-15-36-96-11W4	1995
5-95-04	AB-03-01-97-11W4	1995
5-95-06	AE-14-36-96-11W4	1995
5-95-12	AD-07-01-97-11W4	1995
5-95-13	AA-10-36-96-11W4	1995
5-95-15	AE-15-36-96-11W4	1995
5-95-16	AC-02-01-97-11W4	1995
5-95-20	AF-15-36-96-11W4	1995
5-95-23	AB-01-01-97-11W4	1995
5-95-24	AD-08-01-97-11W4	1995
5-95-02	AC-14-36-96-11W4	1996
5-95-05	AD-14-36-96-11W4	1996
5-96-02	AB-06-36-96-11W4	1996
5-96-03	AC-06-36-96-11W4	1996
5-96-04	AA-11-36-96-11W4	1996
5-96-05	AB-11-36-96-11W4	1996
SL01	100/02-01-097-11W4	1997
SL02	100/03-01-097-11W4	1997
SL03	102/03-01-097-11W4	1997
SL04	103/03-01-097-11W4	1997
SL05	100/14-36-096-11W4	1997
SL06	102/14-36-096-11W4	1997
SL07	100/15-36-096-11W4	1997
SL08	100/16-36-096-11W4	1997

ALL INCLUSIVE PROGRAM COSTS

1995 PROGRAM	AVER./HOLE = 37,500
1996 PROGRAM	AVER./HOLE = 34,800
1997 PROGRAM	AVER./HOLE = 30,300 (Only 6 of the 8 holes were logged)



LEGEND:

- COREHOLE
- COREHOLE w/ STAND PIPE PIEZOMETER
- COREHOLE w/ PNEUMATIC PIEZOMETER
- COREHOLE w/ HEAVE GAUGING/SLOPE INDICATOR
- COREHOLE w/ VIBRATING WIRE PIEZOMETER
- COREHOLE w/ NESTED VIBRATING WIRE PIEZOMETERS
- DRILL HOLE w/ STAND PIPE PIEZOMETER
- DRILL HOLE w/ WATER WELL
- MINE FOOTPRINT
- M.S.L. BOUNDARY
- PLANT BOUNDARY

NOTES:

1 DRAWING COMPILED FROM DIGITIAL DRAWINGS SUPPLIED BY SOLV-EX CORPORATION & SITE INVESTIGATION INFORMATION.

2 ALL GRIDS, FEATURES & DRILLING LOCATIONS ARE TIED TO UTM NAD27.

3 SEE DWGS 2 THROUGH 10 FOR CROSS SECTIONS.

4 SEE DWG 11 FOR DETAIL OF MINE INSTRUMENTATION LOCATIONS.

0 100 200 300 400 500 m

REV	DESCRIPTION	BY	APP	DATE

Clifton Associates Ltd.
engineering science technology

CLIENT: SOLV-EX CORPORATION

PROJECT: LEASE 5 MINE AREA

TITLE: COREHOLE, DRILL HOLE & CROSS SECTION LOCATIONS

DATE	APPD. BY	FILE NO.
97/03/04		CG470190
SCALE NTS	DWN. BY SEC	DWG. NO. GEOL 2

- **COREHOLES 1995 RESULTS**

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-03

LSD: AA/03-01-096-11W4/00

Ground Elevation : 265.20
UTM Co-ordinates : N6359702.26 , E461282.64
Cored Intervals : 6.10 - 78.66

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solid	Small Sample (g)
1	10.00	10.80	0.80	Kcw	1.31	14.22	84.39	125
2	10.80	14.50	3.70	575	10.47	6.55	82.49	125
3	14.50	16.00	1.50	575	11.57	7.16	80.88	125
4	16.00	17.50	1.50	550	11.62	5.62	82.53	125
5	17.50	19.80	2.30	550	12.51	3.90	83.37	125
6	19.80	21.90	2.10	550	11.74	4.17	83.87	125
7	21.90	25.30	3.40	525	6.14	8.32	85.53	65
8	25.30	26.40	1.10	525	5.78	9.08	84.99	200
9	26.40	28.50	2.10	550	7.62	6.91	84.64	65
10	28.50	29.70	1.20	400	4.12	7.36	87.53	125
11	29.70	31.30	1.60	425	2.31	7.88	89.58	200
12	31.30	34.40	3.10	325	12.48	4.67	82.75	
13	34.40	35.40	1.00	375	6.89	6.37	86.01	125
14	35.40	37.30	1.90	425	1.05	8.80	89.89	200
15	37.30	39.50	2.20	400	3.89	8.08	87.74	200
16	39.50	42.00	2.50	400	4.46	8.24	87.28	
17	42.00	45.50	3.50	375	8.26	5.21	85.94	200
18	45.50	47.70	2.20	350	11.54	3.78	84.23	125
19	47.70	50.30	2.60	350	13.69	3.31	82.70	125
20	50.30	51.30	1.00	350	11.00	4.40	84.17	125
21	51.30	54.80	3.50	350	13.01	3.35	83.24	125
MC	54.80	55.50	0.70	350				
22	55.50	57.30	1.80	350	11.40	3.72	84.16	200
23	57.30	58.50	1.20	350	14.14	2.53	82.47	200
MC	58.50	58.80	0.30	350				

Intervals Composited For Fines Analysis

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#8
#9

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

24	58.80	60.30	1.50	350	14.14	4.17	81.21	125
25	60.30	61.30	1.00	350	14.04	3.78	81.57	200
26	61.30	63.10	1.80	375	9.32	5.01	85.37	200
27	63.10	64.00	0.90	350	12.80	2.90	83.82	125
28	64.00	64.80	0.80	375	8.89	4.98	85.96	200
MC	64.80	65.30	0.50	401				
29	65.30	66.00	0.70	401	4.31	9.59	86.08	125
MC	66.00	66.50	0.50	250				
30	66.50	68.00	1.50	250	0.20	7.74	91.93	250
MC	68.00	70.00	2.00	250				
31	70.00	71.00	1.00	250	0.18	10.79	88.93	125
MC	71.00	71.50	0.50	250				
32	71.50	72.90	1.40	225	0.17	11.56	88.24	200
NA	72.90	73.20	1.30	90				
NA	73.20	78.00	3.80	70				

10

11

McMurray Estuarine (cont'd)

McMurray Fluvial

Limestone : 72.90
Material not sampled between 72.90 - 78.66
T.D. 78.66

SUMMARY OF OILSAND SAMPLES FOR TVX

Solvex Corporation

Core ID: 5-95-04

LSD: AA/03-01-097-11W4M

Ground Elevation : 254.42
UTM Co-ordinates : N6360024.17 , E461202.11
Cored Intervals : 3.05 - 71.04

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solid	Small Sample (g)
1	10.10	12.60	2.50	575	NA	NA	NA	200
2	12.60	14.60	2.00	550	11.64	5.53	82.42	200
3	14.60	17.70	3.10	550	10.44	5.58	83.24	200
4	17.70	19.70	2.00	525	6.41	10.31	82.69	200
5	19.70	20.10	0.40	525	5.82	10.96	82.96	200
MC	20.10	22.30	2.20	525				
6	22.30	23.80	1.50	525	7.10	7.28	84.92	200
7	23.80	25.50	1.70	425	0.56	9.57	89.48	125
8	25.50	26.20	0.70	325	4.98	9.00	85.24	200
9	26.20	28.60	2.40	325	10.65	6.21	82.96	200
10	28.60	29.70	1.10	375	8.71	5.42	85.36	250
11	29.70	30.70	1.00	401	4.00	7.77	87.55	250
12	30.70	32.90	2.20	400	2.18	9.13	88.30	125
13	32.90	34.50	1.60	400	2.63	9.42	87.91	200
14	34.50	36.00	1.50	400	3.16	8.53	88.19	125
15	36.00	38.40	2.40	400	2.66	8.92	88.34	200
16	38.40	40.60	2.20	375	3.68	8.97	86.80	200
17	40.60	42.10	1.50	375	6.19	7.14	86.14	200
18	42.10	44.30	2.20	375	5.88	7.52	86.37	125
19	44.30	46.70	2.40	350	11.20	4.39	83.70	200
20	46.70	48.60	1.90	350	9.03	6.04	84.41	200
21	48.60	49.70	1.10	350	11.76	4.94	83.01	200
22	49.70	51.20	1.50	350	14.06	5.11	80.57	200
23	51.20	53.60	2.40	350	12.46	4.80	82.33	200
24	53.60	55.00	1.40	350	11.34	4.12	83.91	125

Intervals Composited For Fines Analysis

#1
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#7
#8

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

25	55.00	57.30	2.30	400	4.00	9.58	86.17	125
MC	57.30	58.20	0.90	350				
26	58.20	58.90	0.70	350	8.06	7.82	83.97	125
27	58.90	60.00	1.10	250	0.52	12.16	86.79	125
NA	60.00	61.90	1.90	275				
NA	61.90	63.20	1.30	250				
NA	63.20	66.30	3.10	225				
NA	66.30	68.00	1.70	90				
NA	68.00	71.10	3.10	70				

#9

McMurray Estuarine (cont'd)

McMurray Fluvial

Limestone : 60.00
Material not sampled between 60.00 - 71.04
T.D. 71.04

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-06

LSD: AB/15-36-096-11W4M/00

Ground Elevation : 266.04
UTM Co-ordinates : N6359564.83 , E461252.79
Cored Intervals : 10.67 - 86.28

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solid	Small Sample (g)
NA	10.00	12.10	2.10	Kca				125
1	12.10	13.00	0.90	575	0.79	15.59	83.02	200
MC	13.00	14.40	1.40	575				
2	14.40	16.50	2.10	575	11.50	3.82	84.29	200
3	16.50	19.10	2.60	550	11.77	3.83	84.06	200
4	19.10	22.10	3.00	550	12.45	3.30	83.83	200
5	22.10	23.50	1.40	550	12.00	2.98	84.56	200
6	23.50	24.10	0.60	525	10.24	3.42	85.93	200
MC	24.10	27.00	2.90	525				
7	27.00	28.50	1.50	525	6.14	7.77	85.92	200
8	28.50	30.10	1.60	525	6.08	8.60	85.04	200
9	30.10	30.70	0.60	375	6.41	7.96	85.15	200
10	30.70	31.50	0.80	375	3.96	9.92	86.05	65
11	31.50	33.10	1.60	400	6.71	7.24	85.80	200
12	33.10	33.80	0.70	425	3.25	8.19	88.42	200
13	33.80	36.10	2.30	325	0.07	9.38	90.43	200
14	36.10	37.50	1.40	375	11.73	5.10	83.04	200
15	37.50	39.70	2.20	400	8.21	5.33	86.18	200
16	39.70	40.10	0.40	350	3.60	8.60	87.76	65
17	40.10	42.50	2.40	400	9.92	6.15	83.48	250
18	42.50	45.00	2.50	350	4.17	7.99	87.71	125
19	45.00	48.00	3.00	350	11.19	4.71	83.74	200
20	48.00	51.00	3.00	350	11.20	5.50	83.02	200
21	51.00	54.00	3.00	350	12.73	4.28	82.65	200
22	54.00	57.00	3.00	350	13.87	3.81	81.86	200

Intervals Composited For Facies Analysis

#1
#2
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#5
#6
#7
#8

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

23	57.00	59.30	2.30	350	11.52	5.00	83.23	200
24	59.30	60.00	0.70	325	12.29	4.30	83.17	125
25	60.00	63.00	3.00	325	13.17	4.42	81.97	200
26	63.00	66.10	3.10	325	14.37	3.81	81.58	200
27	66.10	67.40	1.30	375	13.57	4.63	81.57	200
28	67.40	68.00	0.60	375	11.09	5.03	83.70	200
MC	68.00	68.80	0.80	350				
MC	68.80	69.80	1.00	350				
29	69.80	71.30	1.50	250	9.79	6.81	83.11	200
30	71.30	86.80	5.00	250	0.56	12.08	87.06	

#9
#16
#11

McMurray Estuarine (cont'd)

McMurray Fluvial to 80.1 m.

Limestone : 71.30
Material not sampled between 71.30 - 86.28
T.D. 86.28

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-12

LSD: AD/07-01-097-11W4M/00

Ground Elevation : 265.69
UTM Co-ordinates : N6360455.75 , E461609.89
Cored Interval : 5.79 - 75.91

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Mineral	Small Sample (g)
NA	5.50	9.50	4.00	Kca				
NA	9.50	10.20	0.70	Kcw				
1	10.20	10.80	0.60	575	9.27	7.91	82.51	65
MC	10.80	11.10	0.30	575				
2	11.10	11.50	0.40	575	11.10	4.85	83.67	125
3	11.50	13.00	1.50	575	11.10	4.33	84.36	200
MC	13.00	14.70	1.70	575				
4	14.70	16.00	1.30	575	10.87	6.03	82.57	200
5	16.00	17.50	1.50	575	11.50	5.59	82.71	200
6	17.50	18.50	1.00	550	12.15	4.58	83.09	200
7	18.50	20.00	1.50	550	11.69	5.51	82.64	200
8	20.00	21.50	1.50	550	12.32	3.82	83.75	200
9	21.50	23.00	1.50	550	11.30	4.16	84.13	200
10	23.00	24.70	1.70	525	8.53	6.08	84.94	200
11	24.70	26.00	1.30	525	5.69	7.91	85.99	200
12	26.00	27.50	1.50	525	4.53	8.57	86.48	200
13	27.50	29.00	1.50	525	6.02	8.98	84.60	200
14	29.00	30.40	1.40	325	11.01	5.30	83.41	200
15	30.40	31.80	1.40	425	0.73	9.62	89.17	200
16	31.80	32.30	0.50	325	7.33	8.66	83.62	125
17	32.30	35.20	2.90	325	11.20	5.79	82.91	200
18	35.20	37.00	1.80	375	7.65	6.74	85.36	200
19	37.00	40.70	3.70	400	3.03	8.30	88.22	250
20	40.70	43.20	2.50	400	2.85	9.22	87.42	200
21	43.20	46.20	3.00	400	3.22	8.79	87.56	250

Intervals Composited For Fines Analysis

#1
#2
#3
#4
#5
#6
#7

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

22	46.20	49.20	3.00	400	3.50	9.77	86.25	200
23	49.20	50.30	1.10	400	3.08	8.88	87.60	200
24	50.30	53.30	3.00	375	4.38	8.37	86.76	250
25	53.30	55.30	2.00	375	6.77	6.80	86.01	250
26	55.30	57.50	2.20	375	6.44	6.29	86.85	250
27	57.50	60.60	3.10	375	5.64	6.87	86.99	250
28	60.60	61.90	1.30	125	13.05	4.70	82.14	250
29	61.90	62.50	0.60	225	3.36	8.38	88.06	125
30	62.50	63.00	0.50	125	11.78	5.99	81.84	200
MC	63.00	64.00	1.00	125				
31	64.00	64.50	0.50	125	12.01	5.34	82.37	200
32	64.50	67.40	2.90	175	11.90	4.86	82.99	250
33	67.40	70.00	2.60	125	12.47	5.14	82.26	250
NA	70.00	75.20	2.20	90				

#8
#9
#10

McMurray Estuarine (cont'd)

McMurray Fluvial

Limestone : 70.00
Material not sampled between 70.00 - 75.91
T.D. 75.91

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-13

LSD: AA/10-36-096-11W4M

Ground Elevation : 280.66
UTM Co-ordinates : N6359269.81, E461412.17
Cored Interval : 22.56 - 132.01

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solids	Small Sample (g)
NA	31.20	32.40	1.20	Kca				
1	32.40	33.00	0.60	Kcw	2.65	9.02	87.94	200
2	33.00	34.10	1.10	575	10.84	5.03	83.77	200
3	34.10	35.10	1.00	575	10.72	5.66	83.11	200
4	35.10	38.10	3.00	575	11.03	6.74	81.93	125
MC	38.10	39.20	1.10	575				
5	39.20	41.30	2.10	575	11.26	6.43	81.78	200
6	41.30	43.30	2.00	550	9.86	8.19	81.79	125
7	43.30	44.70	1.40	550	10.35	6.82	82.35	200
8	44.70	46.60	1.90	525	7.33	8.75	83.59	200
9	46.60	48.80	2.20	525	8.03	6.80	84.79	200
10	48.80	49.80	1.00	525	3.14	8.64	87.89	200
11	49.80	51.60	1.80	400	3.83	7.87	87.92	200
MC	51.60	52.30	0.70	400				
12	52.30	52.70	0.40	400	5.98	8.92	84.88	125
13	52.70	55.20	2.50	350	9.09	7.16	83.31	65
14	55.20	55.70	0.50	425	1.12	8.56	89.98	125
15	55.70	56.50	0.80	450	0.24	8.48	90.99	250
16	56.50	59.00	2.50	325	9.60	6.52	83.34	200
17	59.00	60.10	1.10	375	5.54	9.35	84.63	200
18	60.10	63.20	3.10	425	0.79	9.48	89.38	250
19	63.20	65.00	1.80	400	3.11	8.54	88.04	200
20	65.00	67.90	2.90	400	5.05	8.07	86.43	200
21	67.90	69.50	1.60	325	13.59	5.02	80.95	125
22	69.50	72.70	3.20	376	9.25	6.55	83.82	125

Intervals Composited For Fines Analysis

#1
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McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

23	72.70	73.50	0.80	325	13.89	4.82	80.99	125	#12
24	73.50	74.90	1.40	350	9.77	6.48	83.35	125	
25	74.90	76.70	1.80	325	13.56	5.17	80.80	200	
MC	76.70	77.50	0.80	325					
26	77.50	79.70	2.20	325	13.92	5.46	80.27	200	#13
27	79.70	81.50	1.80	325	14.16	6.09	79.35	200	
28	81.50	82.50	1.00	326	10.98	6.00	82.54	200	
29	82.50	84.30	1.80	325	13.36	6.16	80.09	200	
30	84.30	85.00	0.70	326	10.85	7.34	81.35	200	
31	85.00	88.00	3.00	325	13.32	6.66	79.77	125	
32	88.00	90.30	2.30	325	13.81	6.17	79.81	200	
33	90.30	91.50	1.20	175	9.68	8.81	81.04	125	
MC	91.50	92.00	0.50	175					
34	92.00	92.60	0.60	125	9.68	5.46	84.66	125	
35	92.60	93.40	0.80	225	0.39	9.83	89.73	200	

McMurray Estuarine (cont'd)

McMurray Fluvial to 125.5

Limesone : 126.30
Material not sampled between 93.40 - 132.01
T.D. 132.01

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID : 5-95-15

LSD: AA/15-36-096-11W4

Ground Elevation : 279.21
UTM Co-ordinates : N6359658, E461559
Cored Intervals : 18.29 - 92.39

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Mineral	Small Sample (g)
NA	18.00	23.70	5.70	575				
1	23.70	26.00	2.30	575	11.18	5.03	83.48	200
2	26.00	27.60	1.60	575	11.91	4.94	82.90	200
3	27.60	31.00	3.40	550	11.42	3.74	84.34	200
4	31.00	34.00	3.00	550	10.07	5.40	84.15	200
5	34.00	37.00	3.00	525	7.18	7.15	85.23	200
6	37.00	39.00	2.00	525	5.88	8.17	85.49	200
7	39.00	39.50	0.50	525	10.23	5.87	83.86	125
8	39.50	40.10	0.60	500	3.80	7.99	88.20	200
9	40.10	42.00	1.90	350	9.56	5.29	84.88	200
10	42.00	43.60	1.60	425	0.40	8.83	90.62	200
11	43.60	46.10	2.50	325	10.93	5.32	83.30	200
12	46.10	47.00	0.90	375	8.04	5.44	86.33	200
13	47.00	50.00	3.00	400	4.44	7.93	87.60	200
14	50.00	52.40	2.40	400	3.92	7.17	88.82	200
15	52.40	55.00	2.60	375	8.32	6.03	85.35	200
16	55.00	58.00	3.00	350	10.79	4.94	83.68	200
17	58.00	59.80	1.80	350	12.64	3.35	83.49	200
18	59.80	61.10	1.30	350	9.92	5.82	83.99	200
19	61.10	64.00	2.90	325	13.16	4.10	82.74	200
20	64.00	67.00	3.00	325	12.37	4.07	82.96	200
21	67.00	70.00	3.00	325	13.63	3.82	82.45	200
22	70.00	73.00	3.00	325	12.38	4.62	82.36	200
23	73.00	76.00	3.00	325	15.50	2.50	81.55	125
24	76.00	78.80	2.80	325	12.56	4.67	82.28	200

Intervals Composited For Fines Analysis

#1
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McMurray Marine

McMurray Estuarine

25	78.80	79.50	0.70	376	9.74	5.11	84.75	200
26	79.50	80.40	0.90	175	10.31	4.31	85.02	125
27	80.40	82.60	2.20	175	3.54	9.63	86.75	125
28	82.60	83.80	1.20	150	12.08	6.49	81.11	125
29	83.80	85.30	1.50	275	0.89	12.78	86.08	200
NA	85.30	92.20	7.90	NA				

#11
#12

McMurray Estuarine (cont'd)

McMurray Fluvial to 86.5 m.

Limestone : 85.30
Material not sampled between 92.20 - 92.38
T.D. 92.38

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-16

LSD: AC/02-01-097-11W4

Ground Elevation : 271.20
UTM Co-ordinates : N6360040.87 , E461531.66
Cored Intervals : 9.15 - 83.23

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Mineral	Small Sample (g)
NA	10.70	19.10	8.40	Kca				
1	19.10	21.50	2.40	575	10.51	4.51	84.42	250
2	21.50	23.00	1.50	575	11.15	5.94	82.22	250
MC	23.00	23.50	0.50	575				
3	23.50	26.20	2.70	550	11.03	6.32	81.95	250
4	26.20	28.00	1.80	550	10.42	6.72	82.64	200
5	28.00	30.80	2.80	550	10.10	6.01	83.44	250
6	30.80	33.40	2.60	525	6.40	8.18	85.17	250
7	33.40	36.80	3.40	525	5.96	9.02	84.78	250
8	36.80	38.60	1.80	325	11.09	4.87	83.79	200
9	38.60	40.40	1.80	425	0.13	8.78	90.87	250
10	40.40	43.50	3.10	325	11.09	6.18	82.45	250
11	43.50	44.60	1.10	375	7.66	5.54	86.45	250
12	44.60	46.50	1.90	400	1.25	8.85	89.90	250
13	46.50	49.50	3.00	400	2.73	9.19	88.05	250
14	49.50	52.50	3.00	400	4.26	7.50	88.17	250
15	52.50	54.00	1.50	400	3.63	8.06	88.26	250
16	54.00	56.20	2.20	400	5.49	7.04	87.20	200
17	56.20	59.20	-27.00	375	9.29	5.49	84.72	250
18	59.20	62.20	33.00	375	7.51	6.19	85.50	250
19	62.20	63.00	0.80	375	6.97	6.01	86.93	200
20	63.00	66.00	3.00	350	10.53	5.24	83.98	200
21	66.00	68.70	2.70	350	12.05	4.21	83.38	200
22	68.70	70.30	1.60	350	9.90	6.04	83.93	200
MC	70.30	70.70	0.40	400				

Intervals Composited For Fines Analysis

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#10

McMurray Marine

McMurray Estuarine (cont'd)

SUMMARY OF OILSAND SAMPLES FOR TVX

23	70.70	71.10	0.40	400	3.70	9.00	87.13	200
24	71.10	71.60	0.50	325	15.41	2.10	81.81	200
MC	71.60	72.10	0.50	401				
25	72.10	72.50	0.40	401	4.62	8.04	87.01	200
MC	72.50	72.90	0.40	300				
26	72.90	73.20	0.30	300	2.83	10.21	86.61	65
27	73.20	74.00	0.80	250	0.29	10.97	88.47	200

McMurray Estuarine (cont'd)

McMurray Fluvial to 78.4

Limestone: 78.40
Material not sampled between 74.00 - 78.40
T.D. 83.23

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-20

LSD: AF/15-36-096-11W4M

Ground Elevation : 282.79
UTM Co-ordinates : N6359426.28 , E461652.59
Cored Intervals : 26.52 - 119.20

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Mineral	Small Sample (g)
NA	0.00	35.70	10.80	NA				
1	35.70	37.40	1.70	575	11.32	4.07	83.63	250
MC	37.40	38.40	1.00	575				
2	38.40	40.50	2.10	575	12.37	4.00	82.74	200
3	40.50	41.00	0.50	550	9.90	7.14	82.49	65
4	41.00	43.60	2.60	550	11.65	5.18	82.81	250
5	43.60	45.80	2.20	550	11.35	5.90	82.45	250
6	45.80	48.00	2.20	550	8.63	6.72	84.21	250
7	48.00	49.80	1.80	525	7.33	7.19	85.02	250
8	49.80	51.50	1.70	525	6.34	7.88	85.37	250
9	51.50	52.90	1.40	525	5.80	7.53	86.40	250
10	52.90	53.80	0.90	400	4.95	8.99	85.62	200
11	53.80	55.30	1.50	400	6.20	6.93	86.46	200
12	55.30	56.80	1.50	400	5.65	6.00	88.21	200
13	56.80	58.00	1.20	425	0.56	9.37	90.01	250
14	58.00	60.60	2.60	325	10.85	5.66	83.36	250
15	60.60	61.80	1.20	350	8.67	5.50	85.57	250
16	61.80	64.30	2.50	400	3.50	9.47	86.89	250
17	64.30	66.20	1.90	400	3.78	8.78	87.19	250
18	66.20	67.60	1.40	375	5.68	8.09	86.00	250
19	67.60	69.50	1.90	375	7.07	9.39	82.56	200
20	69.50	71.60	2.10	375	8.01	7.72	84.01	200
21	71.60	73.20	1.60	350	5.87	8.18	85.64	200
22	73.20	75.30	2.10	325	13.29	4.16	81.98	125
23	75.30	76.90	1.60	325	13.85	3.29	82.72	200

Intervals Composited For Facies Analysis

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McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

24	76.90	78.50	1.60	325	14.62	3.48	81.56	200	#11
25	78.50	79.40	0.90	376	11.72	4.32	83.88	200	
26	79.40	80.10	0.70	401	2.16	8.70	89.10	200	#12
27	80.10	80.90	0.80	401	10.22	6.43	82.88	200	
28	80.90	83.50	2.60	325	12.58	6.34	80.77	125	
29	83.50	85.20	1.70	326	8.39	8.06	82.99	125	#13
30	85.20	86.20	1.00	325	11.43	8.28	80.02	200	
31	86.20	88.30	2.10	325	14.61	5.07	80.06	125	
32	88.30	88.80	0.50	401	7.88	7.63	84.37	200	
33	88.80	90.10	1.30	325	15.43	4.35	80.16	200	#14
34	90.10	91.10	1.00	350	11.76	5.49	82.47	200	
35	91.10	92.90	1.80	300	13.84	3.51	82.57	250	
36	92.90	94.90	2.00	225	1.59	10.26	87.75	200	
37	94.90	97.40	2.50	200	1.75	8.90	89.34	250	
38	97.40	98.90	1.50	200	5.58	8.84	85.30	250	
39	98.90	101.30	2.40	250	0.31	13.00	86.31	250	
40	101.30	103.30	2.00	250	0.75	14.67	84.17	200	
41	103.30	104.50	1.20	200	3.07	8.22	88.47	250	
MC	104.50	105.80	1.30	200					
42	105.80	107.30	1.50	225	0.41	9.64	89.52	250	
MC	107.30	108.00	0.70	176					#15
43	108.00	110.00	2.00	176	9.86	5.67	84.01	200	
NA	110.00	118.20	15.20	220					

McMurray Estuarine (cont'd)

McMurray Fluvial to 110.0 m.

Limestone: 110.00
Material not sampled between 110.00 - 119.20
T.D. 119.20

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-23

LSD: AB/01-01-097-11W4

Ground Elevation : 285.12
UTM Co-ordinates : N6359963.30 , E461964.11
Cored Intervals : 18.90 - 89.33

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Mineral	Small Sample (g)
NA	0.00	24.20	6.40	Kca				
1	24.20	24.60	0.40	575	7.46	5.96	86.27	200
MC	24.60	25.50	0.90	575				
2	25.50	27.50	2.00	575	10.53	5.24	83.59	250
3	27.50	29.00	1.50	575	11.30	5.51	82.54	200
4	29.00	31.10	2.10	575	11.17	4.73	83.67	200
5	31.10	32.80	1.70	550	11.73	3.82	84.15	200
6	32.80	34.10	1.30	525	6.07	8.32	85.56	250
7	34.10	36.40	2.30	525	6.10	7.68	86.21	200
8	36.40	38.80	2.40	525	5.61	7.94	86.41	250
9	38.80	40.50	1.70	375	6.01	7.10	86.54	200
10	40.50	41.70	1.20	325	12.37	3.19	83.80	200
11	41.70	43.40	1.70	425	0.38	8.59	90.65	250
12	43.40	44.80	1.40	325	8.35	9.05	81.99	125
13	44.80	46.40	1.60	350	11.55	4.65	83.37	200
14	46.40	47.70	1.30	375	6.87	6.62	86.33	200
15	47.70	49.20	1.50	425	0.57	10.53	88.74	125
16	49.20	51.00	1.80	400	3.62	8.28	87.89	200
17	51.00	54.00	3.00	400	4.75	7.38	87.70	250
18	54.00	55.50	1.50	400	4.19	7.73	87.64	250
MC	55.50	56.00	0.50	400				
19	56.00	58.50	2.50	400	5.80	8.17	85.75	250
20	58.50	61.00	2.50	375	10.85	6.08	82.62	200
21	61.00	62.50	1.50	375	9.03	6.48	84.30	250
22	62.50	64.30	1.80	375	11.24	5.04	83.41	250

Intervals Composited For Fines Analysis

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McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

23	64.30	65.50	1.20	375	10.74	5.90	82.84	200
24	65.50	67.50	2.00	350	13.28	4.72	81.57	200
25	67.50	69.00	1.50	350	13.82	3.93	81.85	200
26	69.00	70.50	1.50	350	13.21	3.89	82.41	200
27	70.50	72.00	1.50	350	12.46	4.75	82.47	200
28	72.00	73.50	1.50	350	12.54	4.93	82.24	200
29	73.50	75.00	1.50	350	13.75	4.18	81.90	200
30	75.00	76.50	1.50	350	14.53	2.97	82.45	125
31	76.50	78.00	1.50	175	13.33	4.06	82.14	200
32	78.00	79.60	1.60	175	13.94	3.63	82.00	200
33	79.60	80.60	1.00	125	12.09	3.56	84.20	200
MC	80.60	81.30	0.70	125				
34	81.30	82.50	1.20	225	0.55	6.99	92.17	250
NA	82.50	89.00	6.50	740				

#12
#13
#14
#15

McMurray Estuarine (cont'd)

McMurray Fluvial To 85.3

Limestone: 82.50
Material not sampled between 82.50 - 89.33
T.D. 89.33

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-24

LSD: AD/08-01-097-11W4

Ground Elevation : 281.43
UTM Co-ordinates : N6360251.62 , E461908.89
Cored Intervals : 21.04 - 83.54

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Mineral	Small Sample (g)
NA	19.50	22.20	2.70	Kcw				65
1	22.20	23.40	1.20	575	10.72	7.04	81.95	125
MC	23.40	25.00	1.60	575				
2	25.00	27.00	2.00	575	11.68	4.91	83.03	125
3	27.00	28.00	1.00	550	11.52	5.20	82.90	125
4	28.00	31.00	3.00	550	11.05	5.64	82.82	65
5	31.00	31.90	0.90	550	10.16	7.22	82.11	
MC	31.90	32.20	0.30	525				
6	32.20	34.20	2.00	525	7.28	6.97	85.59	125
7	34.20	35.00	0.80	525	3.72	9.14	86.99	65
8	35.00	37.90	2.90	525	4.63	8.67	86.19	200
9	37.90	38.50	0.60	350	5.33	8.78	85.58	65
10	38.50	39.00	0.50	325	12.62	4.16	82.83	65
MC	39.00	39.30	0.30	425				
11	39.30	41.00	1.70	425	1.54	7.59	90.43	125
12	41.00	43.00	2.00	325	9.07	8.06	82.46	125
13	43.00	44.10	1.10	350	11.38	4.16	84.11	125
14	44.10	45.50	1.40	375	8.47	4.63	86.46	125
15	45.50	47.50	2.00	425	1.02	8.08	90.43	125
16	47.50	49.30	1.80	425	1.02	8.46	90.15	125
17	49.30	51.50	2.20	400	4.12	7.16	88.33	125
18	51.50	54.50	3.00	400	4.48	7.28	87.83	65
19	54.50	55.20	0.70	400	5.72	6.98	87.17	125
MC	55.20	55.70	0.50	400				
20	55.70	57.00	1.30	375	6.54	5.99	87.11	125

Intervals Composited For Fines Analysis

#1
#2
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#11

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

21	57.00	58.40	1.40	400	3.39	8.04	88.35	125	#12
22	58.40	61.40	6.00	375	7.04	6.68	85.93	125	#13
23	61.40	64.40	0.00	375	9.43	6.36	83.83	125	
24	64.40	65.60	1.20	375	9.63	7.06	82.99	125	
25	65.60	67.40	1.80	350	13.26	4.61	81.79	125	
26	67.40	70.40	3.00	350	12.35	4.26	83.12	65	
MC	70.40	70.70	0.30	350					
27	70.70	72.50	1.80	350	10.47	6.39	82.60	65	
28	72.50	73.10	0.60	225	0.35	8.96	90.16	125	
NA	73.10	83.00	9.90	275					

McMurray Estuarine (cont'd)

McMurray Fluvial To 77.5 m.

Limestone: 73.10
Material not sampled between 73.10 - 83.54
T.D. 83.54

- **COREHOLES 1996 RESULTS**

SUMMARY OF OILSAND SAMPLES FOR TVX

SOLV-EX CORPORATION

Core I.D.: 5-95-02
LSD: AC/14-36-96-11W4

Ground Elevation: 248.50
UTM Co-ordinates: N6359569.01, E461066.49
Cored Intervals: 3.66 - 66.15

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solids	Small Sample
MC	0	4.6	4.6	P				Overbur
1	4.6	6.1	1.5	575	11.5	6.31	81.86	125
MC	6.1	6.8	0.7	575	11.84	6	81.82	
2	6.8	7.2	0.4	575	13.11	4.82	81.69	65
3	7.2	8.5	1.3	550	11.39	6.48	81.94	125
4	8.5	10.5	2	550	9.13	8.08	82.58	200
5	10.5	12.6	2.1	525	5.32	10.43	84.06	125
6	12.6	14	1.4	525	5.55	10.51	83.7	200
7	14	15.8	1.8	525	5.98	9.52	84.28	200
8	15.8	17	1.2	400	3.94	8.72	87.01	65
[illegible]	17	17.5	0.5	450	0.24	8.79	90.66	125
MC	17.5	17.7	0.2	450	0.24	8.79	90.66	
10	17.7	19.9	2.2	325	11.63	5.56	82.48	250
MC	19.9	20.4	0.5	325	11.63	5.56	82.48	
L	20.4	22.9	2.5	425	3.92	8.76	87.15	
MC	22.9	23.5	0.6	400	3.92	8.76	87.15	
11	23.5	24.3	0.8	400	3.92	8.76	87.15	125
12	24.3	27.3	3	400	4.18	7.9	87.75	200
13	27.3	28.8	1.5	375	11.15	5.78	82.79	200
MC	28.8	30.6	1.8	400	3.92	8.76	87.15	
14	30.6	32.1	1.5	350	13.74	3.86	82.04	65
MC	32.1	33.6	1.5	350	13.39	4.36	81.91	
15	33.6	36.6	3	350	13.21	4.61	81.85	125
[illegible]6	36.6	39.6	3	350	12.79	3.05	84.11	200
17	39.6	42.6	3	350	12.13	4.55	83.31	200

Intervals Composited For Fines Analysis

#1
#2
#3
#4
#5
#6
#7
#8

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

SOLV-EX CORPORATION

Core I.D.: 5-95-02
LSD: AC/14-36-96-11W4

Ground Elevation: 248.50
UTM Co-ordinates: N6359569.01, E461066.49
Cored Intervals: 3.66 - 66.15

18	42.6	44.1	1.5	350	14.24	3.6	81.91	125		McMurray Estuarine (cont'd)
MC	44.1	46.2	2.1	350	13.55	2.95	83.33			
19	46.2	48	1.8	350	12.97	2.41	84.52	125		
20	48	50.8	2.8	375	10.3	4.45	85.06	200	#9	
	50.8	52	1.2	375	10.3	4.45	85.06			
21	52	53.1	1.1	300	8.17	5.46	86.15	200	#12	
MC	53.1	53.6	0.5	300	8.58	5.92	85.24			
22	53.6	54	0.4	300	9.72	7.19	82.74	125		
23	54	54.6	0.6	275	0.5	16.38	82.77	65	#11	McMurray Fluvial
24	54.6	57.5	2.9	250	0.01	10.83	89.06	125		
MC	57.5	58.3	0.8	175	14.83	2.86	82.17		#12	
25	58.3	58.7	0.4	175	14.83	2.86	82.17	65		
.6	58.7	59.8	1.1	226	0.25	10.47	89.16	250		
NA	59.8	61	1.2	80						
NA	61	61.4	0.4	70						
NA	61.4	62.1	0.7	80						
NA	62.1	63.1	1	70						
NA	63.1	64.3	1.2	80						

Limestone: 59.8
Material Not Sampled Between 59.8 - 66.15
T.D. 66.15

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-05

LSD: AD/14-36- 96-11W4

Ground Elevation : 264.66
UTM Co-ordinates : N6359340.34 , E461222.15
Cored Intervals : 12.19 - 104.25

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solids	Small Sample (g)	Interval Composited For Fines Analysis
MC	0.0	12.2	12.2	NA					
1	12.2	15.3	3.1	Kcl	0.12	15.61	84.11	200	
2	15.3	16.1	0.8	Kcw	1.38	11.59	86.93	125	
3	16.1	18.2	2.1	575	12.04	3.82	83.73	65	#1
4	18.2	19.6	1.4	575	12.50	4.29	83.03	200	#1
MC	19.6	20.1	0.5	575	*12.50*	*4.29*	*83.03*		#1
MC	20.1	20.3	0.2	550	*11.43*	*5.92*	*82.25*		#2
5	20.3	22.0	1.7	550	11.43	5.92	82.25	125	#2
MC	22.0	22.7	0.7	550	*11.45*	*5.97*	*82.18*		#2
6	22.7	23.0	0.3	550	11.58	6.28	81.80	65	#2
7	23.0	25.3	2.3	550	9.09	7.07	83.54	125	#2
8	25.3	27.0	1.7	525	5.32	8.91	85.70	200	#3
9	27.0	28.8	1.8	525	7.58	6.99	85.23	200	#3
MC	28.8	31.3	2.5	525	*7.58*	*7.12*	*85.15*		#3
10	31.3	33.2	1.9	525	7.58	7.25	85.08	250	#3
11	33.2	34.0	0.8	425	1.63	8.98	89.22	250	#4
12	34.0	35.1	1.1	400	4.05	9.04	86.84	200	#4
13	35.1	36.8	1.7	350	9.95	6.10	83.69	200	#5
14	36.8	38.1	1.3	375	7.06	5.22	87.59	200	#5
MC	38.1	38.6	0.5	425	*1.34*	*10.89*	*87.36*		#5
15	38.6	39.6	1.0	425	1.34	10.89	87.36	125	#6
16	39.6	41.7	2.1	325	11.18	5.60	82.88	200	#7
17	41.7	43.2	1.5	375	8.44	4.60	86.82	200	#7
18	43.2	44.7	1.5	400	4.58	7.75	87.35	125	#8
19	44.7	47.7	3.0	351	9.66	5.52	84.40	200	#9
20	47.7	50.7	3.0	351	10.91	5.09	83.60	200	#9
21	50.7	53.7	3.0	351	7.79	7.63	84.47	200	#9
22	53.7	56.0	2.3	351	13.97	3.36	82.43	65	#9
23	56.0	57.8	1.8	401	6.96	7.09	85.82	65	#10
MC	57.8	59.0	1.2	351	*13.80*	*3.64*	*82.19*		#11
24	59.0	62.0	3.0	351	13.80	3.64	82.19	65	#11
25	62.0	65.0	3.0	351	13.60	4.16	81.87	200	#11
26	65.0	67.8	2.8	351	13.24	4.15	82.34	200	#11
27	67.8	71.0	3.2	325	14.82	3.37	81.41	125	#12
28	71.0	74.0	3.0	325	14.06	3.97	81.60	200	#12
29	74.0	75.0	1.0	325	7.51	7.38	84.86	65	#12
30	75.0	77.0	2.0	200	0.71	7.09	92.00	125	
31	77.0	79.9	2.9	200	2.26	7.60	89.98	200	
32	79.9	81.1	1.2	125	12.10	4.47	83.33	65	

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-95-05

LSD: AD/14-36- 96-11W4

Ground Elevation : 264.66
UTM Co-ordinates : N6359340.34 , E461222.15
Cored Intervals : 12.19 - 104.25

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solids	Small Sample
33	81.1	82.3	1.2	125W	3.82	10.54	85.64	65
MC	82.3	83.1	0.8	125W	*3.82*	*10.54*	*85.64*	
MC	83.1	83.7	0.6	250	*0.20*	*11.10*	*88.56*	
34	83.7	86.7	3.0	250	0.20	11.10	88.56	200
35	86.7	89.7	3.0	250	0.01	10.86	88.96	250
36	89.7	92.7	3.0	250	0.03	9.73	90.00	250
37	92.7	93.4	0.7	250	0.06	12.98	86.96	250
MC	93.4	94.8	1.4	125	*12.00*	*4.50*	*83.50*	
38	94.8	96.2	1.4	250	1.73	10.38	87.74	125
MC	96.2	97.5	1.3	125	*12.00*	*4.50*	*83.50*	
MC	97.5	98.3	0.8	80				
	98.3	102.3	4.0	80				
MC	102.3	102.8	0.5	80				
MC	102.8	104.3	1.5	80				

McMurra
Estuarin
(contd)

McMurra
Fluvial

Limestone : 97.5
Material not sampled between 97.5 - 104.25
T.D. 104.25

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-96-02

LSD: AB/06-36- 96-11W4

Ground Elevation : 279.95
UTM Co-ordinates : N6358727.05 , E461198.12
Cored Intervals : 18.29 - 147.85

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solids	Small Sample (g)
1	0.0	19.0	19.0	P	2.04	9.59	88.21	125
2	19.0	23.2	4.2	Kc3	0.05	14.61	85.10	200
3	23.2	28.5	5.3	Kc2	0.04	16.37	83.35	250
4	28.5	34.3	5.8	Kc1	0.05	15.53	84.38	125
5	34.3	35.4	1.1	Kcw	0.69	11.87	87.38	250
MC	35.4	35.6	0.2	550	11.18	5.17	83.43	
6	35.6	36.9	1.3	550	11.18	5.17	83.43	200
7	36.9	39.2	2.3	550	11.62	4.35	83.74	200
MC	39.2	40.8	1.6	550	*11.24*	*4.79*	*83.66*	
8	40.8	41.9	1.1	550	10.45	5.71	83.48	250
9	41.9	43.4	1.5	550	11.09	5.51	83.37	250
10	43.4	44.9	1.5	550	11.58	4.62	83.51	250
11	44.9	46.5	1.6	525	9.02	5.90	84.80	200
12	46.5	48.0	1.5	525	8.08	6.50	85.09	200
13	48.0	49.5	1.5	525	7.03	6.77	85.76	250
14	49.5	51.0	1.5	525	5.81	7.71	86.06	125
15	51.0	51.8	0.8	525	6.21	7.67	85.77	125
16	51.8	52.2	0.4	500	3.04	8.52	88.42	65
17	52.2	52.8	0.6	425	1.07	9.23	89.62	125
18	52.8	54.0	1.2	400	4.51	8.71	86.47	250
19	54.0	54.7	0.7	350	8.64	9.24	81.75	65
20	54.7	55.4	0.7	375	7.05	6.98	85.60	200
21	55.4	56.8	1.4	400	4.12	7.19	88.40	250
22	56.8	57.7	0.9	375	6.62	8.15	85.16	125
23	57.7	60.1	2.4	400	3.56	7.44	88.63	200
24	60.1	62.1	2.0	425	2.79	8.71	88.49	125
MC	62.1	62.7	0.6	425	*2.69*	*8.76*	*88.50*	
25	62.7	65.7	3.0	425	2.62	8.80	88.50	200
26	65.7	67.4	1.7	425	1.21	8.88	89.50	125
27	67.4	68.9	1.5	400	3.08	7.63	88.95	250
28	68.9	70.1	1.2	375	3.89	9.31	86.48	200
29	70.1	71.7	1.6	351	14.57	2.38	82.90	125
30	71.7	74.0	2.3	351	12.93	3.30	83.43	200
31	74.0	76.2	2.2	351	12.80	3.81	83.08	125
32	76.2	78.4	2.2	351	13.15	3.23	83.24	125
33	78.4	80.6	2.2	351	12.86	3.44	83.39	125
34	80.6	82.8	2.2	351	13.78	3.83	82.16	125
35	82.8	85.9	3.1	351	14.21	2.56	82.93	65
36	85.9	87.2	1.3	325	15.44	2.18	82.02	65

Intervals Composited For Fines Analysis

#1

#2

#3

#4

#5

#6

McMurray Marine

McMurray Estuarine

37	87.2	90.2	3.0	325	11.96	3.13	84.65	200
MC	90.2	90.9	0.7	325	*12.77*	*2.65*	*84.35*	
38	90.9	93.2	2.3	325	13.83	2.02	83.96	125
MC	93.2	93.8	0.6	325	*13.68*	*2.36*	*83.78*	
39	93.8	94.2	0.4	325	12.81	4.33	82.72	65
40	94.2	95.5	1.3	250	0.44	11.14	88.26	125
*	95.5	95.7	0.2	250	*0.34*	*11.76*	*87.65*	
41	95.7	96.4	0.7	250	0.14	12.92	86.51	125
*	96.4	97.4	1.0	250	*0.10*	*11.20*	*88.56*	
42	97.4	99.5	2.1	250	0.08	10.63	89.24	200
43	99.5	100.5	1.0	200W	0.48	10.22	89.04	200
44	100.5	102.9	2.4	200W	0.54	9.74	89.60	200
45	102.9	103.3	0.4	150W	1.29	11.87	86.69	65
MC	103.3	105.0	1.7	150W	*1.34*	*14.77*	*83.60*	
46	105.0	105.9	0.9	150W	1.36	16.06	82.23	125
47	105.9	108.2	2.3	175	10.70	5.46	83.61	125
48	108.2	110.4	2.2	175	11.34	3.79	84.46	200
49	110.4	112.6	2.2	175	12.46	4.61	82.84	200
50	112.6	115.4	2.8	175	12.25	4.69	82.78	125
51	115.4	117.0	1.6	125	14.47	2.70	82.49	65
52	117.0	117.8	0.8	125	13.64	4.12	81.90	65
MC	117.8	118.1	0.3	125	*13.84*	*4.04*	*81.76*	
53	118.1	120.0	1.9	125	13.93	4.01	81.70	200
54	120.0	121.4	1.4	125	10.52	4.64	84.56	125
55	121.4	123.7	2.3	150	12.80	3.22	83.84	200
MC	123.7	125.2	1.5	150	*12.34*	*4.11*	*83.32*	
56	125.2	126.9	1.7	150	11.72	5.32	82.61	200
MC	126.9	127.4	0.5	150	*11.34*	*6.61*	*81.64*	
57	127.4	127.7	0.3	150	9.21	13.90	76.13	65
58	127.7	128.5	0.8	125W	3.78	14.44	81.64	125
MC	128.5	136.6	8.1	125W	3.78	14.44	81.64	
MC	136.6	142.7	6.1	80				
NA	142.7	147.9	5.2	80				

#7

#8

#9

#10

McMurray Estuarine (cont'd)

McMurray Fluvial

Limestone ; 136.6
Material not sampled between : 136.6 - 147.85
T.D. 147.85

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-96-03

LSD: AC/06-36- 96-11W4

Ground Elevation : 245.80
UTM Co-ordinates : N6358853.48 , E460860.30
Cored Intervals : 4.88 - 103.68

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solids	Small Sample (g)
NA	0	3	3.0	Pg				
NA	3	4.9	1.9	Kcl				
1	4.9	5.7	0.8	Kcw	2.06	15.76	82.12	125
2	5.7	6.5	0.8	575	12.22	5.64	81.96	125
MC	6.5	7.2	0.7	575	*12.22*	*5.77*	*81.74*	
3	7.2	8	0.8	575	12.22	5.90	81.52	125
MC	8	8.5	0.5	575	*12.22*	*5.90*	*81.52*	
4	8.5	9.2	0.7	550	10.67	6.82	82.12	200
MC	9.2	9.6	0.4	550	*9.94*	*7.39*	*82.38*	
5	9.6	10.7	1.1	550	9.48	7.75	82.54	200
MC	10.7	11.6	0.9	550	*10.01*	*6.51*	*83.17*	
6	11.6	13	1.4	550	10.43	5.54	83.67	200
MC	13	13.4	0.4	550	*10.76*	*5.62*	*83.32*	
7	13.4	15.3	1.9	550	11.00	5.68	83.07	125
8	15.3	17.4	2.1	525	8.14	6.20	85.57	200
9	17.4	19.2	1.8	525	6.28	7.25	86.36	200
10	19.2	20.6	1.4	525	8.63	6.84	84.18	200
MC	20.6	21.5	0.9	525	*8.06*	*7.07*	*84.62*	
11	21.5	23.3	1.8	525	7.63	7.25	84.97	250
12	23.3	24.8	1.5	350	8.46	6.72	84.50	200
13	24.8	25.3	0.5	375	1.84	10.00	88.08	65
14	25.3	26	0.7	350	10.28	7.34	82.03	125
15	26	27.4	1.4	375	6.44	8.02	85.21	125
16	27.4	29.5	2.1	375	5.25	8.14	86.42	250
17	29.5	30.6	1.1	400	5.35	9.60	84.96	200
18	30.6	33	2.4	400	4.16	9.55	86.10	250
19	33	35.4	2.4	400	1.76	10.88	86.97	200
20	35.4	37.6	2.2	400	1.26	11.20	87.47	250
21	37.6	40	2.4	400	1.14	9.41	89.25	200
22	40	42.1	2.1	426	0.88	9.15	89.77	250
23	42.1	42.8	0.7	400	3.99	9.40	86.37	200
MC	42.8	43.2	0.4	400	*3.96*	*10.51*	*85.29*	
24	43.2	43.6	0.4	400	3.90	12.46	83.40	65
MC	43.6	44.6	1.0	350	*12.90*	*6.51*	*80.52*	
25	44.6	46.7	2.1	350	12.90	6.51	80.52	125
26	46.7	48.5	1.8	350	10.97	5.89	82.97	200
27	48.5	50.3	1.8	350	14.18	3.02	82.63	65
28	50.3	52.7	2.4	325	12.77	3.95	83.13	250
MC	52.7	53.3	0.6	325	*12.75*	*3.87*	*83.20*	

Intervals Composited For Fines Analysis

#1
#2
#3
#4
#5

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-96-03

LSD: AC/06-36- 96-11W4

Ground Elevation : 245.80
UTM Co-ordinates : N6358853.48 , E460860.30
Cored Intervals : 4.88 - 103.68

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solids	Small Sample (g)
29	53.3	55.7	2.4	325	12.73	3.79	83.26	200
30	55.7	57.2	1.5	325	14.08	3.38	82.38	200
31	57.2	59.4	2.2	325	14.52	3.65	81.65	125
32	59.4	61.7	2.3	325	9.95	3.32	86.49	200
MC	61.7	62.9	1.2	325	*12.07*	*3.66*	*84.05*	
33	62.9	64.7	1.8	325	14.78	4.10	80.93	125
MC	64.7	65.2	0.5	325	*14.78*	*4.10*	*80.93*	
34	65.2	67.7	2.5	300	9.42	5.12	85.14	200
35	67.7	70.8	3.1	275	0.11	11.61	87.97	125
36	70.8	73.1	2.3	275	0.01	10.99	88.71	125
37	73.1	75.3	2.2	250	0.01	9.61	90.02	200
38	75.3	76.8	1.5	250	0.01	9.50	90.29	200
39	76.8	77.5	0.7	250	0.01	12.38	87.42	200
40	77.5	79.8	2.3	275	0.05	12.58	87.06	200
41	79.8	82.8	3.0	275	0.05	11.75	88.09	250
42	82.8	83.6	0.8	275	0.37	10.99	88.62	250
MC	83.6	85.2	1.6	150	*14.11*	*3.28*	*82.44*	
43	85.2	85.9	0.7	150	14.11	3.28	82.44	65
44	85.9	87.1	1.2	176	11.65	4.69	83.54	125
45	87.1	89	1.9	125	12.21	4.41	83.10	125
MC	89	90.5	1.5	125	*12.58*	*3.88*	*83.36*	
46	90.5	92	1.5	125	13.05	3.23	83.69	200
MC	92	92.6	0.6	125	*12.82*	*4.16*	*82.96*	
47	92.6	94.3	1.7	125	12.61	4.99	82.31	250
MC	94.3	97.3	3.0	125W	*1.00*	*7.00*	*92.00*	
MC	97.3	97.7	0.4	80				
NA	97.7	103.7	6.0	80				

Limestone : 97.3
Material not sampled between 97.3 - 103.68
T.D. 103.68

McMurray Estuarine (cont'd)

#6

McMurray Fluvial

#7

#5

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-96-04

LSD: AA/11-36- 96-11W4

Ground Elevation : 259.86
Utm Co-ordinates : N6359010.06 , E461114.71
Cored Intervals : 12.65 - 118.26

Sample	Depth From (m)	Depth To (m)	Width	Facies	% Bitumen	% Water	% Solids	Small Sample (g)
MC	0.0	11.6	11.6	P				
MC	11.6	12.8	1.2	Kcl				
1	12.8	13.5	0.7	Kcl	0.23	13.65	85.90	200
2	13.5	13.8	0.3	Kcw	1.65	12.21	85.90	125
3	13.8	14.2	0.4	Kcw	2.26	13.41	84.22	125
4	14.2	14.4	0.2	Kcw	0.37	3.21	96.25	65
5	14.4	15.0	0.6	575	6.31	8.70	84.69	65
MC	15.0	15.8	0.8	575	*8.13*	*6.66*	*84.99*	
6	15.8	16.5	0.7	575	9.69	4.92	85.25	125
MC	16.5	16.8	0.3	575	*10.85*	*5.14*	*83.83*	
7	16.8	17.9	1.1	575	11.59	5.28	82.93	125
MC	17.9	19.5	1.6	550	*11.19*	*5.47*	*83.21*	
8	19.5	22.0	2.5	550	11.01	5.55	83.33	200
9	22.0	24.2	2.2	525	10.04	3.65	86.11	200
10	24.2	27.2	3.0	525	8.01	5.12	86.43	125
11	27.2	30.2	3.0	525	8.46	5.35	85.98	125
12	30.2	31.4	1.2	525	7.61	4.85	87.08	125
13	31.4	32.0	0.6	425	1.08	7.34	91.44	125
14	32.0	32.9	0.9	400	3.97	7.85	87.59	65
15	32.9	34.3	1.4	375	6.21	5.94	87.46	200
16	34.3	35.6	1.3	350	11.62	2.85	85.25	125
17	35.6	37.1	1.5	450	0.66	7.66	91.60	125
18	37.1	39.1	2.0	325	11.41	3.66	84.77	125
19	39.1	40.5	1.4	375	8.89	4.94	86.08	125
20	40.5	42.1	1.6	425	1.14	8.69	90.00	125
21	42.1	45.0	2.9	400	2.73	7.89	89.06	125
22	45.0	46.0	1.0	375	8.21	6.69	84.88	125
MC	46.0	46.5	0.5	375	*7.16*	*5.97*	*86.57*	
23	46.5	48.8	2.3	375	6.70	5.65	87.30	200
MC	48.8	49.6	0.8	375	*8.46*	*5.22*	*86.05*	
24	49.6	51.8	2.2	375	10.29	4.77	84.75	125
25	51.8	52.6	0.8	325	15.19	2.50	82.17	65
26	52.6	54.8	2.2	350	10.94	5.47	83.24	125
MC	54.8	55.2	0.4	350	*10.31*	*5.98*	*83.36*	
27	55.2	55.5	0.3	350	5.71	9.72	84.22	125
28	55.5	56.9	1.4	351	14.96	2.81	82.20	65
29	56.9	60.0	3.1	351	14.50	3.10	82.21	65
30	60.0	63.0	3.0	351	14.29	3.06	82.29	200
31	63.0	66.0	3.0	351	13.81	3.49	82.38	125

Intervals Composite For Fines Analysis

#1
#2
#3
#4
#5
#6
#7
#8
#9
#10

McMurray Marine

McMurray Estuarine

SUMMARY OF OILSAND SAMPLES FOR TVX

MC	66.0	68.3	2.3	351	*14.09*	*4.05*	*81.53*	
32	68.3	71.2	2.9	351	14.37	4.63	80.65	65
33	71.2	71.6	0.4	426	4.95	10.28	84.64	125
34	71.6	73.7	2.1	300	13.59	3.01	83.19	125
35	73.7	75.8	2.1	300	10.02	3.64	85.99	125
36	75.8	78.2	2.4	250	0.07	7.97	91.77	125
37	78.2	80.1	1.9	250	0.04	8.42	91.48	125
38	80.1	81.2	1.1	275	0.42	15.28	84.19	125
39	81.2	83.2	2.0	250	0.00	11.81	87.96	200
MC	83.2	83.7	0.5	275	*0.23*	*19.99*	*79.39*	
40	83.7	84.4	0.7	275	0.23	19.99	79.39	65
41	84.4	86.6	2.2	275	0.16	16.19	83.60	200
42	86.6	87.6	1.0	250	0.05	7.29	92.34	200
43	87.6	90.5	2.9	200	1.36	7.60	90.86	200
44	90.5	91.0	0.5	275	0.67	8.29	90.71	65
45	91.0	93.2	2.2	200	4.15	6.21	89.55	125
46	93.2	94.6	1.4	200	6.25	7.16	86.24	200
47	94.6	95.0	0.4	275	5.10	11.27	83.37	65
48	95.0	95.8	0.8	250	10.11	5.81	83.98	200
49	95.8	97.8	2.0	150	11.55	4.72	83.69	125
MC	97.8	98.6	0.8	150	*7.37*	*9.75*	*82.74*	
50	98.6	100.6	2.0	150	3.19	14.78	81.79	125
MC	100.6	103.4	2.8	125W	*2.13*	*9.74*	*87.84*	
MC	103.4	107.2	3.8	125W	*2.13*	*9.74*	*87.84*	
MC	107.2	108.9	1.7	125W	*2.13*	*9.74*	*87.84*	
51	108.9	109.2	0.3	125W	2.13	9.74	87.84	65
MC	109.2	110.4	1.2	125W	*2.62*	*10.10*	*86.93*	
52	110.4	111.3	0.9	125W	2.78	10.22	86.62	65
MC	111.3	112.4	1.1	125W	*1.81*	*9.37*	*88.53*	
53	112.4	112.9	0.5	125W	0.06	7.85	91.97	65
54	112.9	113.7	0.8	80	0.05	4.51	95.28	200
NA	113.7	114.1	0.4	80				65
NA	114.1	118.3	4.2	80				

#11

#12

McMurray Estuarine (cont'd)

McMurray Fluvial

Limestone : 113.7
Material not sampled between 113.7 - 118.26
T.D. 118.26

SUMMARY OF OILSAND SAMPLES FOR TVX

Solv-Ex Corporation

Core ID: 5-96-05

LSD: AB/11-36- 96-11W4

Ground Elevation : 244.21
UTM Co-ordinates : N6359228.91 , E460938.90
Cored Intervals : 3.96 - 92.05

Sample	Depth From (m)	Depth To (m)	width	Facies	% Bitumen	% Water	% Solids	Small Sample (g)
MC	0.0	5.2	5.2	P				
1	5.2	6.0	0.8	575	11.03	6.23	82.46	65
MC	6.0	6.7	0.7	575	*11.43*	*5.43*	*82.88*	
2	6.7	7.5	0.8	575	11.83	4.63	83.29	125
MC	7.5	8.2	0.7	575	*11.68*	*4.24*	*83.91*	
3	8.2	9.0	0.8	575	11.53	3.84	84.52	125
MC	9.0	9.9	0.9	575	*11.50*	*4.29*	*84.01*	
4	9.9	10.5	0.6	575	11.45	4.90	83.32	125
MC	10.5	10.8	0.3	575	*11.45*	*4.90*	*83.32*	
5	10.8	12.0	1.2	550	10.08	5.56	83.99	200
6	12.0	14.1	2.1	550	6.35	8.68	84.75	125
7	14.1	15.2	1.1	525	5.14	8.86	85.75	125
8	15.2	17.7	2.5	525	7.05	7.48	85.09	250
9	17.7	19.7	2.0	375	5.00	7.84	86.83	200
10	19.7	20.7	1.0	325	10.74	5.08	83.82	200
11	20.7	22.4	1.7	425	0.60	9.20	90.03	200
12	22.4	23.1	0.7	325	11.74	5.33	82.63	125
13	23.1	23.9	0.8	350	9.18	4.30	86.24	125
MC	23.9	25.4	1.5	350	*9.18*	*4.30*	*86.24*	
14	25.4	27.6	2.2	400	4.32	8.51	86.90	250
MC	27.6	28.0	0.4	400	*4.32*	*8.51*	*86.90*	
MC	28.0	28.3	0.3	375	*8.39*	*6.54*	*84.76*	
15	28.3	30.5	2.2	350	8.39	6.54	84.76	200
16	30.5	32.7	2.2	350	11.85	3.89	83.89	200
17	32.7	35.7	3.0	350	10.20	5.88	83.58	125
18	35.7	38.7	3.0	350	10.84	5.69	83.11	125
19	38.7	40.2	1.5	350	10.79	5.28	83.51	200
20	40.2	41.0	0.8	350	9.20	5.59	84.91	125
21	41.0	42.0	1.0	425	5.84	6.70	87.07	200
22	42.0	42.7	0.7	350	8.62	5.67	85.32	200
23	42.7	44.8	2.1	375	8.76	5.70	85.42	200
MC	44.8	45.1	0.3	375	*9.18*	*5.67*	*85.01*	
24	45.1	46.3	1.2	375	9.92	5.62	84.28	65
25	46.3	48.8	2.5	351	12.36	5.26	82.02	125
26	48.8	50.1	1.3	376	10.46	4.82	84.41	125
27	50.1	51.5	1.4	401	7.04	5.97	86.69	200
28	51.5	52.3	0.8	351	13.48	3.31	83.02	65
29	52.3	55.3	3.0	351	10.73	5.38	83.63	200
30	55.3	56.9	1.6	351	13.85	4.34	81.66	65

Intervals Composited For Fines Analysis

#1
#2
#3
#4
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#6
#7
#8
#9
#10
#11

McMurray Marine

McMurray Estuarin

SUMMARY OF OILSAND SAMPLES FOR TVX

MC	56.9	57.2	0.3	351	*13.65*	*4.57*	*81.69*	
31	57.2	59.0	1.8	351	13.48	4.78	81.71	200
32	59.0	59.4	0.4	326	5.07	6.69	87.90	125
MC	59.4	60.2	0.8	326	*5.07*	*6.69*	*87.90*	
MC	60.2	62.3	2.1	325	*8.76*	*5.46*	*85.51*	
33	62.3	63.8	1.5	325	8.76	5.46	85.51	200
34	63.8	65.1	1.3	325	11.13	5.17	83.58	125
35	65.1	67.2	2.1	250	0.29	9.19	90.19	125
MC	67.2	67.5	0.3	250	*0.21*	*10.15*	*89.43*	
36	67.5	69.5	2.0	250	0.12	11.16	88.64	200
MC	69.5	70.0	0.5	250	*0.08*	*9.32*	*90.46*	
37	70.0	72.0	2.0	250	0.03	7.47	92.28	250
38	72.0	72.7	0.7	150	11.38	6.51	81.83	65
39	72.7	74.0	1.3	225	4.27	8.16	87.49	125
40	74.0	74.7	0.7	250	0.19	10.55	89.21	65
MC	74.7	76.8	2.1	250	*0.16*	*14.27*	*85.26*	
41	76.8	78.9	2.1	250	0.15	15.51	83.94	125
42	78.9	80.4	1.5	150	13.95	6.15	79.72	200
MC	80.4	81.2	0.8	150	*14.10*	*4.21*	*81.45*	
43	81.2	82.7	1.5	150	14.24	2.27	83.18	65
44	82.7	84.2	1.5	150	14.76	2.97	82.14	65
45	84.2	85.0	0.8	226	9.85	6.79	83.09	125
MC	85.0	86.0	1.0	226	*9.85*	*6.79*	*83.09*	
46	86.0	86.8	0.8	80	0.07	8.63	90.93	200
NA	86.8	92.3	5.5	70				

#12

#13

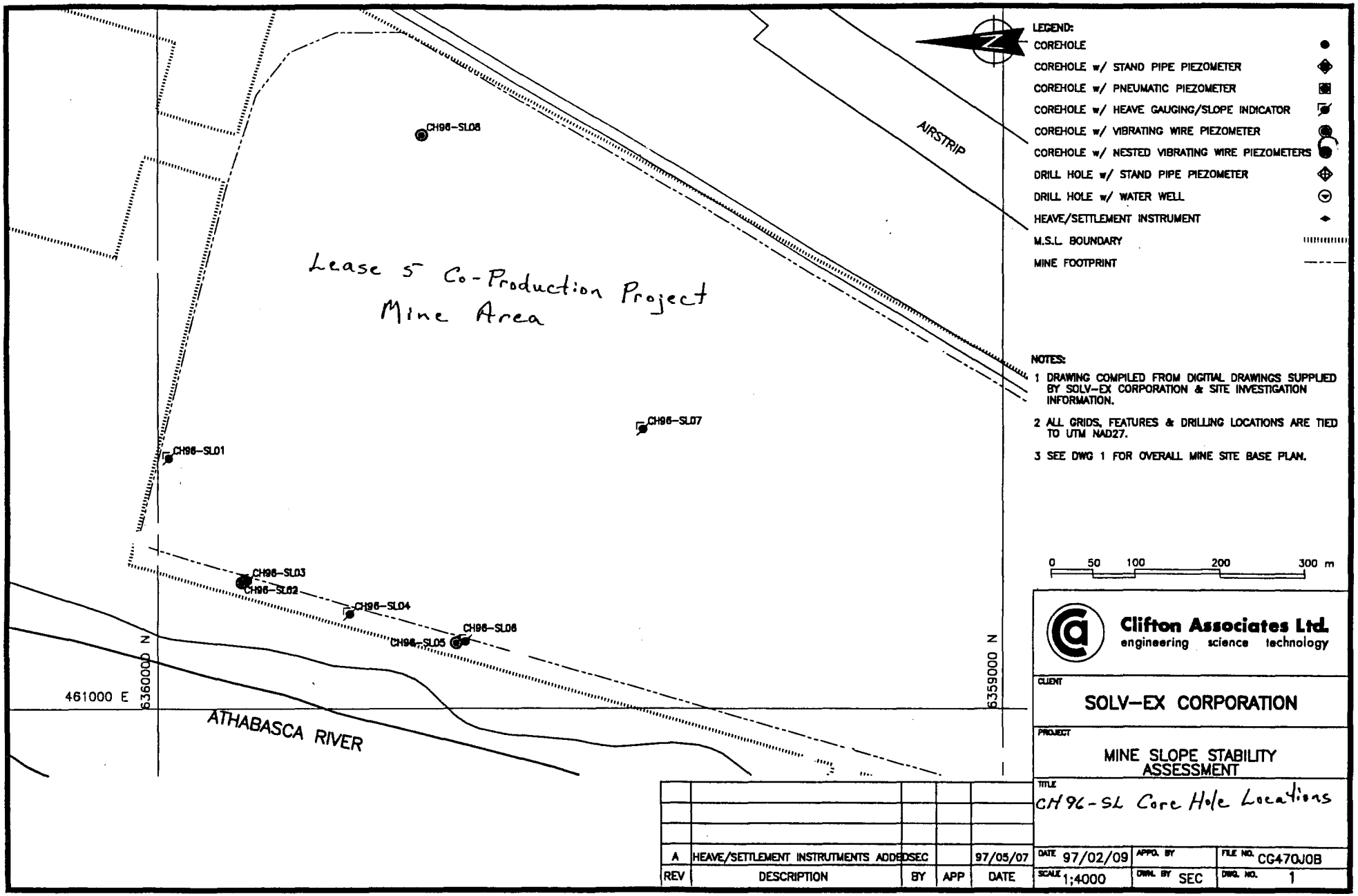
#14

McMurray Estuarine (cont'd)

McMurray Fluvial

Limestone : 86.8
Material not sampled between : 86.8 - 92.05
T.D. 92.05

- **COREHOLES 1997 RESULTS**



REV	DESCRIPTION	BY	APP	DATE
A	HEAVE/SETTLEMENT INSTRUTMENTS ADDED	SEC		97/05/07

Clifton Associates Ltd.
engineering science technology

CLIENT: SOLV-EX CORPORATION

PROJECT: MINE SLOPE STABILITY ASSESSMENT

TITLE: CH96-SL Core Hole Locations

DATE 97/02/09 | APPD. BY | FILE NO. CG470J0B

SCALE 1:4000 | DWN. BY SEC | DWG. NO. 1

AEUB ALBERTA ENERGY and UTILITIES BOARD

OIL SANDS EVALUATION WELL DATA

WELL NAME: SOLV 5 - SL01 BITUMOUNT 2 - 1 - 97 - 11

LICENSE #: 0195007 **UID (EUB):** 100/02-01-097-11W4/00

LOCATION

FINAL CO-ORDINATES: N 261 (m) W 817 (m)

FINAL GROUND ELEVATION: 259.0 (m)

DRILLING INFORMATION

DATE DRILLING STARTED: 97/01/08 (yy/mm/dd)

DATE DRILLING COMPLETED: 97/01/11 (yy/mm/dd)

TOTAL DEPTH: 74.1 (m)

PLUGGED FROM TD TO SURFACE: NO

OTHER: COMPLETED AS A SLOPE INDICATOR/HEAVE GAUGE HOLE. THIS WELL WILL BE RETAINED FOR LONG TERM MINE AREA MONITORING

CORED INTERVAL(S): 7.00 - 74.10 m.

RIG: ELGIN **#:** 260

HOLE NOT DRILLED

____ **THIS PROPOSED WELL WAS NOT DRILLED AND THE LICENSE MAY BE CANCELLED.**

INSTRUCTIONS:

- **Complete a separate form for each hole.**
- **Submit completed forms to PAM HAY, WELL RECORDS, EUB within 3 weeks of completion of drilling of hole or upon decision that the well will not be drilled.**

SOLV-EX CORPORATION - 1997
LEASE 5 - BITUMOUNT **SOLV5-SL01**
LITHOFACIES & BITUMEN VALUES **100/02-01-097-11W4/00**

ID	X	Y	ELEV	FROM	TO	THICK	FACIES	OIL	WATER	SOLIDS
SL-01			259.0							
NA				0.0	6.7	6.7	Ho-Pl			
1				6.7	8.9	2.2	575	0.11456	0.03655	0.84514
2				8.9	11.9	3.0	575	0.11819	0.04047	0.83714
3				11.9	12.7	0.8	550	0.10078	0.06534	0.82960
4				12.7	14.8	2.1	575	0.11586	0.04147	0.83795
5				14.8	16.1	1.3	550	0.11570	0.04996	0.83325
6				16.1	17.0	0.9	575	0.11469	0.04743	0.83340
7				17.0	18.0	1.0	550	0.10757	0.05080	0.83798
8				18.0	18.5	0.5	525	0.09854	0.05328	0.84449
LC				18.5	20.7	2.2	525	*0.06256*	*0.06849*	*0.84968*
9				20.7	23.7	3.0	525	0.05656	0.08370	0.85872
10				23.7	25.2	1.5	525	0.05674	0.07867	0.86333
11				25.2	26.9	1.7	550	0.07822	0.05648	0.85999
12				26.9	28.2	1.3	425	0.01277	0.08018	0.90430
LC				28.2	29.7	1.5	350	*0.11088*	*0.08018*	*0.90430*
13				29.7	31.8	2.1	350	0.11088	0.06423	0.82107
14				31.8	32.9	1.1	375	0.08086	0.05073	0.86653
15				32.9	34.3	1.4	425	0.01230	0.08110	0.90435
16				34.3	36.5	2.2	425	0.00840	0.09301	0.89673
17				36.5	38.0	1.5	400	0.03171	0.08639	0.87658
18				38.0	39.6	1.6	400	0.03962	0.07502	0.88030
19				39.6	40.2	0.6	375	0.08173	0.05944	0.85629
20				40.2	43.0	2.8	375	0.04620	0.06612	0.88347
21				43.0	45.1	2.1	375	0.06812	0.05114	0.87820
22				45.1	47.7	2.6	350	0.09953	0.03939	0.85730
23				47.7	49.2	1.5	350	0.09480	0.04489	0.85620
24				49.2	51.4	2.2	350	0.08046	0.05860	0.85986
25				51.4	53.6	2.2	350	0.08293	0.04277	0.87052
26				53.6	56.0	2.4	350	0.09671	0.03998	0.85939
27				56.0	58.0	2.0	350	0.06561	0.05470	0.87506
LC				58.0	59.5	1.5	350	*0.07413*	*0.04977*	*0.86947*
28				59.5	60.9	1.4	350	0.08630	0.04483	0.86522
LC				60.9	62.0	1.1	275	*0.00000*	*0.16072*	*0.83898*
29				62.0	62.5	0.5	275	0.00000	0.16072	0.83898
30				62.5	64.3	1.8	250	0.00000	0.12241	0.87414
31				64.3	65.0	0.7	275	0.00000	0.11850	0.87953
32				65.0	66.7	1.7	250	0.00000	0.10832	0.89118
NA				66.7	67.8	1.1	80			
NA				67.8	68.5	0.7	70			
NA				68.5	71.3	2.8	80			
NA				71.3	72.3	1.0	70			
NA				72.3	74.1	1.8	80			

AEUB ALBERTA ENERGY and UTILITIES BOARD

OIL SANDS EVALUATION WELL DATA

WELL NAME: SOLV 5 - SL02 BITUMOUNT 3 - 1 - 97 - 11

LICENSE #: 0195008 **UID (EUB):** 100/03-01-097-11W4/00

LOCATION

FINAL CO-ORDINATES: N 171 (m) E 676 (m)

FINAL GROUND ELEVATION: 252.5 (m)

DRILLING INFORMATION

DATE DRILLING STARTED: 97/01/04 (yy/mm/dd)

DATE DRILLING COMPLETED: 97/01/06 (yy/mm/dd)

TOTAL DEPTH: 70.75 (m)

PLUGGED FROM TD TO SURFACE: NO

OTHER: COMPLETED AS A VIBRATING WIRE PIEZOMETER. THIS WELL WILL BE RETAINED FOR LONG TERM MINE AREA MONITORING

CORED INTERVAL(S): 3.95 - 70.75 m.

RIG: ELGIN **#:** 211

HOLE NOT DRILLED

____ **THIS PROPOSED WELL WAS NOT DRILLED AND THE LICENSE MAY BE CANCELLED.**

INSTRUCTIONS:

- **Complete a separate form for each hole.**
- **Submit completed forms to PAM HAY, WELL RECORDS, EUB within 3 weeks of completion of drilling of hole or upon decision that the well will not be drilled.**

SOLV-EX CORPORATION - 1997
LEASE 5 - BITUMOUNT **SOLV5-SL02**
LITHOFACIES & BITUMEN VALUES **100/03-01-097-11W4/00**

ID	X	Y	ELEV	FROM	TO	THICK	FACIES	OIL	WATER	SOLIDS
SL-02			248.7							
NA				0.0	1.5	1.5	Ho-Pl			
NA				1.5	4.0	2.5	575	*0.1207*	*0.0560*	*0.8199*
1				4.0	4.5	0.5	575	0.1207	0.0560	0.8199
LC				4.5	6.8	2.3	575	*0.1191*	*0.0599*	*0.8177*
2				6.8	8.1	1.3	575	0.1184	0.0639	0.8155
LC				8.1	8.7	0.6	550	*0.1121*	*0.0628*	*0.8230*
3				8.7	10.0	1.3	550	0.1121	0.0628	0.8230
4				10.0	11.5	1.5	550	*0.1027*	*0.0577*	*0.8370*
5				11.5	13.0	1.5	550	0.1134	0.0484	0.8337
LC				13.0	13.4	0.4	550	*0.1130*	*0.0479*	*0.8355*
6				13.4	13.8	0.4	550	0.1116	0.0474	0.8374
7				13.8	16.7	2.9	525	0.0690	0.0719	0.8572
8				16.7	19.9	3.2	525	0.0674	0.0719	0.8561
9				19.9	21.6	1.7	425	0.0096	0.0887	0.9008
10				21.6	24.0	2.4	350	0.1043	0.0520	0.8387
11				24.0	25.0	1.0	375	0.0759	0.0587	0.8617
12				25.0	26.3	1.3	425	0.0081	0.0904	0.9010
13				26.3	28.2	1.9	425	0.0079	0.0804	0.9097
14				28.2	30.0	1.8	400	0.0310	0.0757	0.8891
15				30.0	32.7	2.7	400	*0.0403*	*0.0830*	*0.8713*
16				32.7	35.7	3.0	400	0.0526	0.0742	0.8697
LC				35.7	36.1	0.4	400	*0.0541*	*0.0672*	*0.8702*
17				36.1	36.5	0.4	400	0.0650	0.0603	0.8706
18				36.5	39.5	3.0	350	0.0900	0.0631	0.8415
LC				39.5	41.5	2.0	350	*0.0852*	*0.0599*	*0.8498*
19				41.5	44.2	2.7	350	0.0799	0.0566	0.8593
20				44.2	46.8	2.6	350	0.0837	0.0564	0.8545
21				46.8	48.0	1.2	350	*0.1073*	*0.0429*	*0.8457*
22				48.0	50.5	2.5	350	0.0878	0.0440	0.8627
23				50.5	52.0	1.5	350	0.1020	0.0443	0.8502
LC				52.0	52.5	0.5	350	*0.1020*	*0.0443*	*0.8502*
24				52.5	53.3	0.8	401	0.0961	0.0465	0.8534
25				53.3	55.3	2.0	300	0.0629	0.0908	0.8437
26				55.3	57.7	2.4	250	0.0000	0.1332	0.8657
LC				57.7	58.1	0.4	250			
NA				58.1	59.7	1.6	250			
NA				59.7	60.1	0.4	250			
NA				60.1	60.6	0.5	250			
NA				60.6	61.9	1.3	90			
NA				61.9	62.3	0.4	70			
NA				62.3	64.9	2.6	80			
NA				64.9	66.1	1.2	70			
NA				66.1	68.8	2.7	80			
NA				68.8	70.0	1.2	70			

AEUB ALBERTA ENERGY and UTILITIES BOARD

OIL SANDS EVALUATION WELL DATA

WELL NAME: SOLV 5 - SL03 BITUMOUNT 3 - 1 - 97 - 11

LICENSE #: 0195009 **UID (EUB):** 102/03-01-097-11W4/00

LOCATION

FINAL CO-ORDINATES: N 164 (m) E 679 (m)

FINAL GROUND ELEVATION: 252.6 (m)

DRILLING INFORMATION

DATE DRILLING STARTED: 97/01/11 (yy/mm/dd)

DATE DRILLING COMPLETED: 97/01/13 (yy/mm/dd)

TOTAL DEPTH: 66.48 (m)

PLUGGED FROM TD TO SURFACE: NO

OTHER: COMPLETED AS A SLOPE INDICATOR/HEAVE GAUGE. THIS WELL WILL BE RETAINED FOR LONG TERM MINE AREA MONITORING

CORED INTERVAL(S): 3.05 - 66.48 m.

RIG: ELGIN **#:** 260

HOLE NOT DRILLED

____ **THIS PROPOSED WELL WAS NOT DRILLED AND THE LICENSE MAY BE CANCELLED.**

INSTRUCTIONS:

- **Complete a separate form for each hole.**
- **Submit completed forms to PAM HAY, WELL RECORDS, EUB within 3 weeks of completion of drilling of hole or upon decision that the well will not be drilled.**

SOLV-EX CORPORATION - 1997
LEASE 5 - BITUMOUNT
LITHOFACIES & BITUMEN VALUES

SOLV5-SL03
102/03-01-097-11W4/00

ID	X	Y	ELEV	FROM	TO	THICK	FACIES	OIL	WATER	SOLIDS
SL-03			252.6							
NA				0.0	1.5	1.5	Ho-Pl			
LC				1.5	3.1	1.6	575	*0.1177*	*0.0553*	*0.8266*
1				3.1	3.8	0.7	575	0.1177	0.0553	0.8266
LC				3.8	7.7	3.9	575	*0.1161*	*0.0583*	*0.8250*
2				7.7	8.3	0.6	575	0.1144	0.0614	0.8233
3				8.3	10.0	1.7	550	0.1141	0.0455	0.8371
4				10.0	13.0	3.0	550	0.1024	0.0567	0.8390
5				13.0	14.6	1.6	525	0.0831	0.0575	0.8558
6				14.6	17.0	2.4	525	0.0640	0.0761	0.8560
7				17.0	19.8	2.8	525	0.0626	0.0759	0.8572
8				19.8	21.3	1.5	425	0.0100	0.0706	0.9178
9				21.3	23.0	1.7	350	0.1058	0.0560	0.8334
10				23.0	24.5	1.5	350	0.1089	0.0464	0.8399
11				24.5	25.3	0.8	375	0.0560	0.0597	0.8806
12				25.3	28.4	3.1	425	0.0081	0.0786	0.9128
13				28.4	31.4	3.0	400	0.0338	0.0625	0.8997
14				31.4	34.4	3.0	400	0.0521	0.0600	0.8836
15				34.4	36.4	2.0	400	0.0720	0.0352	0.8877
16				36.4	38.3	1.9	350	0.1038	0.0416	0.8512
17				38.3	40.6	2.3	350	0.0854	0.0394	0.8721
18				40.6	42.8	2.2	350	0.0759	0.0467	0.8727
19				42.8	46.0	3.2	350	0.0870	0.0459	0.8631
20				46.0	48.2	2.2	350	0.1117	0.0395	0.8454
21				48.2	49.7	1.5	350	0.0949	0.0331	0.8682
22				49.7	52.8	3.1	350	0.1079	0.0268	0.8600
NA				52.8	54.2	1.4	350	*0.0937*	*0.0377*	*0.8687*
23				54.2	55.8	1.6	350	0.0663	0.0487	0.8829
24				55.8	58.8	3.0	250	0.0000	0.1225	0.8751
25				58.8	59.6	0.8	250	0.0000	0.0804	0.9194
NA				59.6	62.1	2.5	90			
NA				62.1	62.8	0.7	70			
NA				62.8	65.0	2.2	80			
NA				65.0	66.5	1.5	70			

AEUB ALBERTA ENERGY and UTILITIES BOARD

OIL SANDS EVALUATION WELL DATA

WELL NAME: SOLV 5 - SL04 BITUMOUNT 3 - 1 - 97 - 11

LICENSE #: 0195010 **UID (EUB):** 103/03-01-097-11W4/00

LOCATION

FINAL CO-ORDINATES: N 41 (m) E 647 (m)

FINAL GROUND ELEVATION: 249.9 (m)

DRILLING INFORMATION

DATE DRILLING STARTED: 97/01/07 (yy/mm/dd)

DATE DRILLING COMPLETED: 97/01/08 (yy/mm/dd)

TOTAL DEPTH: 68.32 (m)

PLUGGED FROM TD TO SURFACE: NO

OTHER: COMPLETED AS A SLOPE INDICATOR/HEAVE GAUGE. THIS WELL WILL BE RETAINED FOR LONG TERM MINE AREA MONITORING

CORED INTERVAL(S): 3.05 - 68.32 m.

RIG: ELGIN **#:** 260

HOLE NOT DRILLED

____ **THIS PROPOSED WELL WAS NOT DRILLED AND THE LICENSE MAY BE CANCELLED.**

INSTRUCTIONS:

- **Complete a separate form for each hole.**
- **Submit completed forms to PAM HAY, WELL RECORDS, EUB within 3 weeks of completion of drilling of hole or upon decision that the well will not be drilled.**

SOLV-EX CORPORATION - 1997
LEASE 5 - BITUMOUNT
LITHOFACIES & BITUMEN VALUES

SOLV5-SL04
103/03-01-097-11W4/00

ID	X	Y	ELEV	FROM	TO	THICK	FACIES	OIL	WATER	SOLIDS
SL-04			249.9							
NA				0.0	6.5	6.5	Ho-Pl			
LC				6.5	7.0	0.5	575	*0.1237*	*0.0389*	*0.8345*
1				7.0	8.2	1.2	575	0.1237	0.0389	0.8345
2				8.2	9.7	1.5	550	0.1131	0.0406	0.8421
3				9.7	11.8	2.1	525	0.0777	0.0671	0.8531
4				11.8	13.8	2.0	525	0.0686	0.0791	0.8504
5				13.8	14.7	0.9	525	0.0573	0.0707	0.8710
6				14.7	16.5	1.8	525	0.0696	0.0621	0.8673
7				16.5	16.9	0.4	375	0.0432	0.0706	0.8857
8				16.9	17.5	0.6	350	0.1064	0.0470	0.8432
9				17.5	19.1	1.6	425	0.0073	0.0871	0.9041
10				19.1	22.0	2.9	350	0.1159	0.0423	0.8390
11				22.0	22.9	0.9	375	0.0699	0.0568	0.8697
12				22.9	23.9	1.0	425	0.0053	0.0880	0.9065
13				23.9	25.0	1.1	400	0.0053	0.0966	0.8978
14				25.0	27.0	2.0	425	0.0106	0.0847	0.9017
15				27.0	29.2	2.2	400	0.0380	0.0808	0.8793
16				29.2	29.8	0.6	350	0.1355	0.0270	0.8327
17				29.8	31.0	1.2	375	0.0607	0.0605	0.8753
18				31.0	34.1	3.1	375	0.0569	0.0648	0.8771
19				34.1	36.4	2.3	350	0.1061	0.0344	0.8553
20				36.4	38.4	2.0	350	0.1099	0.0429	0.8443
21				38.4	40.7	2.3	350	0.1221	0.0358	0.8389
22				40.7	43.0	2.3	350	0.1199	0.0361	0.8396
LC				43.0	43.5	0.5	350	*0.1119*	*0.0404*	*0.8438*
23				43.5	46.2	2.7	350	0.1051	0.0447	0.8486
24				46.2	48.5	2.3	350	0.1312	0.0367	0.8316
25				48.5	49.6	1.1	350	0.0719	0.0435	0.8843
LC				49.6	50.0	0.4	350	*0.0793*	*0.0380*	*0.8817*
26				50.0	51.6	1.6	350	0.0844	0.0325	0.8796
27				51.6	52.8	1.2	300	0.1150	0.0446	0.8393
LC				52.8	53.3	0.5	300	*0.1150*	*0.0446*	*0.8393*
28				53.3	55.5	2.2	250	0.0000	0.1030	0.8968
29				55.5	57.6	2.1	250	0.0000	0.0920	0.9055
30				57.6	58.8	1.2	250	0.0000	0.0936	0.9050
LC				58.8	59.5	0.7	250			
NA				59.5	60.1	0.6	90			
NA				60.1	62.4	2.3	80			
NA				62.4	63.2	0.8	70			
NA				63.2	66.0	2.8	80			
NA				66.0	67.7	1.7	70			

AEUB ALBERTA ENERGY and UTILITIES BOARD

OIL SANDS EVALUATION WELL DATA

WELL NAME: SOLV 5 - SL05 BITUMOUNT 14 - 36 - 96 - 11

LICENSE #: 0195011 **UID (EUB):** 100/14-36-096-11W4/00

LOCATION

FINAL CO-ORDINATES: S 83 (m) E 619 (m)

FINAL GROUND ELEVATION: 248.7 (m)

DRILLING INFORMATION

DATE DRILLING STARTED: 97/01/04 (yy/mm/dd)

DATE DRILLING COMPLETED: 97/01/07 (yy/mm/dd)

TOTAL DEPTH: 64.95 (m)

PLUGGED FROM TD TO SURFACE: NO

OTHER: COMPLETED AS A VIBRATING WIRE PIEZOMETER. THIS WELL WILL BE RETAINED FOR LONG TERM MINE AREA MONITORING

CORED INTERVAL(S): 3.35 - 64.95 m.

RIG: ELGIN **#:** 260

HOLE NOT DRILLED

____ **THIS PROPOSED WELL WAS NOT DRILLED AND THE LICENSE MAY BE CANCELLED.**

INSTRUCTIONS:

- **Complete a separate form for each hole.**
- **Submit completed forms to PAM HAY, WELL RECORDS, EUB within 3 weeks of completion of drilling of hole or upon decision that the well will not be drilled.**

SOLV-EX CORPORATION - 1997
LEASE 5 - BITUMOUNT
LITHOFACIES & BITUMEN VALUES

SOLV5-SL05
100/14-36-096-11W4/00

ID	X	Y	ELEV	FROM	TO	THICK	FACIES	OIL	WATER	SOLIDS
SL-05			248.7							
NA				0.0	1.5	1.5	Ho-Pl			
LC				1.5	4.0	2.5	575	*0.1190*	*0.0439*	*0.8350*
1				4.0	6.2	2.2	550	0.1190	0.0439	0.8350
2				6.2	8.4	2.2	550	0.0944	0.0602	0.8411
3				8.4	10.6	2.2	550	0.0750	0.0713	0.8490
4				10.6	12.8	2.2	525	0.0613	0.0703	0.8631
5				12.8	13.8	1.0	525	0.0674	0.0761	0.8525
6				13.8	15.2	1.4	400	0.0305	0.0811	0.8879
7				15.2	16.5	1.3	425	0.0022	0.0882	0.9076
8				16.5	19.3	2.8	350	0.1171	0.0467	0.8324
9				19.3	20.0	0.7	375	0.0697	0.0514	0.8737
LC				20.0	21.0	1.0	450	0.0000	0.0000	0.0000
10				21.0	22.8	1.8	425	0.0067	0.0832	0.9079
LC				22.8	23.2	0.4	425	*0.0067*	*0.0832*	*0.9079*
LC				23.2	24.0	0.8	450	0.0000	0.0000	0.0000
11				24.0	25.5	1.5	400	0.0340	0.0690	0.8939
LC				25.5	26.2	0.7	400	*0.0400*	*0.0684*	*0.8887*
12				26.2	28.0	1.8	400	0.0450	0.0677	0.8848
13				28.0	30.2	2.2	350	0.1015	0.0451	0.8480
14				30.2	32.4	2.2	350	0.1021	0.0441	0.8495
15				32.4	34.6	2.2	350	0.1172	0.0410	0.8365
16				34.6	36.8	2.2	350	0.1287	0.0366	0.8339
17				36.8	39.0	2.2	350	0.1285	0.0315	0.8349
18				39.0	41.2	2.2	350	0.1224	0.0359	0.8390
19				41.2	43.4	2.2	350	0.1333	0.0291	0.8342
19				41.2	43.4	2.2	350	0.1333	0.0291	0.8342
20				43.4	45.0	1.6	350	0.1358	0.0230	0.8374
LC				45.0	46.5	1.5	350	*0.1117*	*0.0281*	*0.8535*
21				46.5	47.8	1.3	400	0.0819	0.0326	0.8802
22				47.8	48.6	0.8	350	0.1324	0.0226	0.8426
23				48.6	49.4	0.8	376	0.0711	0.0417	0.8846
24				49.4	50.3	0.9	350	0.1267	0.0286	0.8434
25				50.3	50.8	0.5	400	0.0446	0.0570	0.8933
26				50.8	51.8	1.0	300	0.1023	0.0382	0.8578
LC				51.8	52.6	0.8	300	*0.1023*	*0.0382*	*0.8578*
27				52.6	54.0	1.4	250	0.0000	0.0843	0.9116
28				54.0	56.4	2.4	250	0.0000	0.0855	0.9116
29				56.4	57.5	1.1	225	0.0000	0.0888	0.9088
NA				57.5	59.6	2.1	80			
NA				59.6	60.3	0.7	70			
NA				60.3	61.8	1.5	80			
NA				61.8	62.8	1.0	70			
NA				62.8	64.8	2.0	80			

AEUB ALBERTA ENERGY and UTILITIES BOARD

OIL SANDS EVALUATION WELL DATA

WELL NAME: SOLV 5 - SL06 BITUMOUNT 14 - 36 - 96 - 11

LICENSE #: 0195012 **UID (EUB):** 102/14-36-096-11W4/00

LOCATION

FINAL CO-ORDINATES: S 94 (m) E 621 (m)

FINAL GROUND ELEVATION: 249.0 (m)

DRILLING INFORMATION

DATE DRILLING STARTED: 97/01/11 (yy/mm/dd)

DATE DRILLING COMPLETED: 97/01/13 (yy/mm/dd)

TOTAL DEPTH: 68.00 (m)

PLUGGED FROM TD TO SURFACE: NO

OTHER: COMPLETED AS A SLOPE INDICATOR/HEAVE GAUGE. THIS WELL WILL BE RETAINED FOR LONG TERM MINE AREA MONITORING

CORED INTERVAL(S): 7.00 - 68.00 m.

RIG: ELGIN **#:** 211

HOLE NOT DRILLED

____ **THIS PROPOSED WELL WAS NOT DRILLED AND THE LICENSE MAY BE CANCELLED.**

INSTRUCTIONS:

- **Complete a separate form for each hole.**
- **Submit completed forms to PAM HAY, WELL RECORDS, EUB within 3 weeks of completion of drilling of hole or upon decision that the well will not be drilled.**

SOLV-EX CORPORATION - 1997
LEASE 5 - BITUMOUNT
LITHOFACIES & BITUMEN VALUES

SOLV5-SL06
102/14-36-096-11W4/00

ID	X	Y	ELEV	FROM	TO	THICK	FACIES	OIL	WATER	SOLIDS
SL-06			248.7							
NA				0.0	2.5	2.5	Ho-Pl			
LC				2.5	5.0	2.5	575	*0.0892*	*0.0892*	*0.0892*
LC				5.0	7.0	2.0	550	*0.0892*	*0.0892*	*0.0892*
1				7.0	9.2	2.2	550	0.0892	0.0572	0.8509
2				9.2	11.4	2.2	550	0.0747	0.0688	0.8537
3				11.4	13.1	1.7	525	0.0489	0.0898	0.8565
4				13.1	15.0	1.9	525	0.0701	0.0638	0.8632
5				15.0	16.6	1.6	400	0.0301	0.0842	0.8834
6				16.6	17.2	0.6	425	0.0113	0.0899	0.8979
7				17.2	19.3	2.1	350	0.1226	0.0438	0.8305
8				19.3	20.3	1.0	350	0.1136	0.0423	0.8404
9				20.3	20.8	0.5	375	0.0618	0.0550	0.8805
10				20.8	23.4	2.6	425	0.0070	0.1046	0.8869
11				23.4	25.3	1.9	400	0.0279	0.0776	0.8897
12				25.3	26.8	1.5	400	0.0440	0.0736	0.8786
13				26.8	28.5	1.7	400	0.0462	0.0770	0.8730
14				28.5	29.8	1.3	350	0.1028	0.0500	0.8422
15				29.8	31.4	1.6	350	0.0959	0.0614	0.8412
LC				31.4	32.2	0.8	350	*0.1045*	*0.0512*	*0.8433*
16				32.2	35.2	3.0	350	0.1091	0.0410	0.8450
17				35.2	37.5	2.3	350	0.1314	0.0371	0.8269
18				37.5	39.7	2.2	350	0.1272	0.0425	0.8265
19				39.7	42.0	2.3	350	0.1283	0.0322	0.8367
20				42.0	44.3	2.3	350	0.1327	0.0285	0.8364
LC				44.3	45.0	0.7	350	*0.1356*	*0.0307*	*0.8299*
21				45.0	46.7	1.7	350	0.1395	0.0328	0.8237
22				46.7	49.1	2.4	351	0.1270	0.0349	0.8346
23				49.1	49.7	0.6	401	0.0585	0.0826	0.8549
24				49.7	51.1	1.4	351	0.1335	0.0403	0.8230
25				51.1	52.8	1.7	401	0.0746	0.0633	0.8574
LC				52.8	53.5	0.7	300	*0.0958*	*0.0419*	*0.8589*
26				53.5	54.0	0.5	300	0.0958	0.0419	0.8589
LC				54.0	55.2	1.2	250	*0.0000*	*0.1236*	*0.8754*
27				55.2	57.9	2.7	250	0.0000	0.1236	0.8754
28				57.9	58.6	0.7	225	0.0000	0.1126	0.8861
29				58.6	59.0	0.4	250	0.0000	0.1104	0.8882
NA				59.0	60.6	1.6	80			
NA				60.6	61.3	0.7	70			
NA				61.3	63.8	2.5	80			
NA				63.8	65.2	1.4	70			
NA				65.2	68.0	2.8	80			

AEUB ALBERTA ENERGY and UTILITIES BOARD

OIL SANDS EVALUATION WELL DATA

WELL NAME: SOLV 5 - SL07 BITUMOUNT 15 - 36 - 96 - 11

LICENSE #: 0195013 **UID (EUB):** 100/15-36-096-11W4/00

LOCATION

FINAL CO-ORDINATES: S 301 (m) W 725 (m)

FINAL GROUND ELEVATION: 271.7 (m)

DRILLING INFORMATION

DATE DRILLING STARTED: 97/01/08 (yy/mm/dd)

DATE DRILLING COMPLETED: 97/01/11 (yy/mm/dd)

TOTAL DEPTH: 100.02 (m)

PLUGGED FROM TD TO SURFACE: NO

OTHER: COMPLETED AS A SLOPE INDICATOR/HEAVE GAUGE. THIS WELL WILL BE RETAINED FOR LONG TERM MINE AREA MONITORING

CORED INTERVAL(S): 15.24 - 100.02 m.

RIG: ELGIN **#:** 260

HOLE NOT DRILLED

____ **THIS PROPOSED WELL WAS NOT DRILLED AND THE LICENSE MAY BE CANCELLED.**

INSTRUCTIONS:

- **Complete a separate form for each hole.**
- **Submit completed forms to PAM HAY, WELL RECORDS, EUB within 3 weeks of completion of drilling of hole or upon decision that the well will not be drilled.**

SOLV-EX CORPORATION - 1997
LEASE 5 - BITUMOUNT
LITHOFACIES & BITUMEN VALUES

SOLV5-SL07
100/15-36-096-11W4/00

ID	X	Y	ELEV	FROM	TO	THICK	FACIES	OIL	WATER	SOLIDS
SL-07			271.8							
NA				0.0	11.6	11.6	Ho-Pl			
NA				11.6	15.4	3.8	Kc			
NA				15.4	18.3	2.9	Kc			
NA				18.3	18.9	0.6	Kc			
1				18.9	20.2	1.3	575	0.1119	0.0436	0.8426
LC				20.2	22.2	2.0	575	*0.1190*	*0.0353*	*0.8436*
2				22.2	23.8	1.6	575	0.1249	0.0270	0.8445
3				23.8	25.0	1.2	550	0.1173	0.0322	0.8462
4				25.0	28.0	3.0	550	0.1184	0.0294	0.8477
5				28.0	29.8	1.8	550	0.1051	0.0375	0.8556
6				29.8	31.4	1.6	525	0.0714	0.0598	0.8637
7				31.4	34.2	2.8	525	0.0729	0.0573	0.8657
8				34.2	36.2	2.0	525	0.0808	0.0474	0.8667
9				36.2	37.6	1.4	375	0.0553	0.0689	0.8730
10				37.6	38.8	1.2	350	0.1141	0.0371	0.8435
11				38.8	40.1	1.3	375	0.0608	0.0577	0.8779
12				40.1	41.0	0.9	425	0.0077	0.0744	0.9176
13				41.0	43.6	2.6	350	0.1097	0.0492	0.8378
14				43.6	44.8	1.2	375	0.0676	0.0548	0.8735
15				44.8	47.0	2.2	375	0.0637	0.0655	0.8676
16				47.0	49.2	2.2	350	0.1012	0.0549	0.8402
LC				49.2	49.8	0.6	350	*0.1082*	*0.0529*	*0.8348*
17				49.8	52.2	2.4	350	0.1146	0.0509	0.8300
18				52.2	55.2	3.0	350	0.1321	0.0339	0.8309
19				55.2	56.5	1.3	350	0.1260	0.0395	0.8291
20				56.5	59.2	2.7	351	0.1025	0.0392	0.8532
21				59.2	59.7	0.5	401	0.0262	0.0703	0.9023
LC				59.7	60.1	0.4	401	*0.0262*	*0.0703*	*0.9023*
22				60.1	63.3	3.2	351	0.1056	0.0423	0.8468
23				63.3	64.0	0.7	326	0.0691	0.0496	0.8791
24				64.0	64.4	0.4	450	0.0105	0.0868	0.9014
25				64.4	65.4	1.0	401	0.0601	0.0619	0.8745
LC				65.4	65.7	0.3	401	*0.0648*	*0.0648*	*0.8599*
26				65.7	66.0	0.3	401	0.0804	0.0677	0.8490
27				66.0	66.7	0.7	325	0.1309	0.0305	0.8345
28				66.7	67.2	0.5	401	0.0506	0.1027	0.8421
29				67.2	68.3	1.1	325	0.1428	0.0287	0.8232
LC				68.3	68.8	0.5	325	*0.1303*	*0.0312*	*0.8377*
30				68.8	69.4	0.6	326	0.1073	0.0337	0.8569
31				69.4	71.0	1.6	325	0.1286	0.0437	0.8242
32				71.0	72.6	1.6	325	0.1488	0.0266	0.8223
33				72.6	74.0	1.4	325	0.1428	0.0311	0.8235
34				74.0	76.0	2.0	351	0.1210	0.0306	0.8463
35				76.0	76.3	0.3	300	0.0894	0.0433	0.8663
36				76.3	79.0	2.7	225	0.0050	0.0959	0.8946
37				79.0	80.9	1.9	175	0.0494	0.0845	0.8652
38				80.9	82.0	1.1	125	0.0985	0.0572	0.8434
39				82.0	83.6	1.6	225	0.0003	0.0775	0.9178
40				83.6	84.6	1.0	225	0.0000	0.0987	0.9002
NA				84.6	86.2	1.6	250	0.0000	0.0000	0.0000
NA				86.2	87.0	0.8	225W	0.0000	0.0000	0.0000
NA				87.0	87.8	0.8	250	0.0000	0.0000	0.0000
NA				87.8	90.5	2.7	225W	0.0000	0.0000	0.0000
NA				90.5	91.6	1.1	250	0.0000	0.0000	0.0000
NA				91.6	92.8	1.2	80			
NA				92.8	95.0	2.2	70			
NA				95.0	99.5	4.5	80			

AEUB ALBERTA ENERGY and UTILITIES BOARD

OIL SANDS EVALUATION WELL DATA

WELL NAME: SOLV 5 - SL08 BITUMOUNT 16 - 36 - 96 - 11

LICENSE #: 0195014 **UID (EUB):** 100/16-36-096-11W4/00

LOCATION

FINAL CO-ORDINATES: S 36 (m) W 395 (m)

FINAL GROUND ELEVATION: 281.2 (m)

DRILLING INFORMATION

DATE DRILLING STARTED: 97/01/06 (yy/mm/dd)

DATE DRILLING COMPLETED: 97/01/08 (yy/mm/dd)

TOTAL DEPTH: 95.00 (m)

PLUGGED FROM TD TO SURFACE: NO

OTHER: COMPLETED AS A SLOPE INDICATOR/HEAVE GAUGE. THIS WELL WILL BE RETAINED FOR LONG TERM MINE AREA MONITORING

CORED INTERVAL(S): 21.34 - 95.00 m.

RIG: ELGIN **#:** 211

HOLE NOT DRILLED

____ **THIS PROPOSED WELL WAS NOT DRILLED AND THE LICENSE MAY BE CANCELLED.**

INSTRUCTIONS:

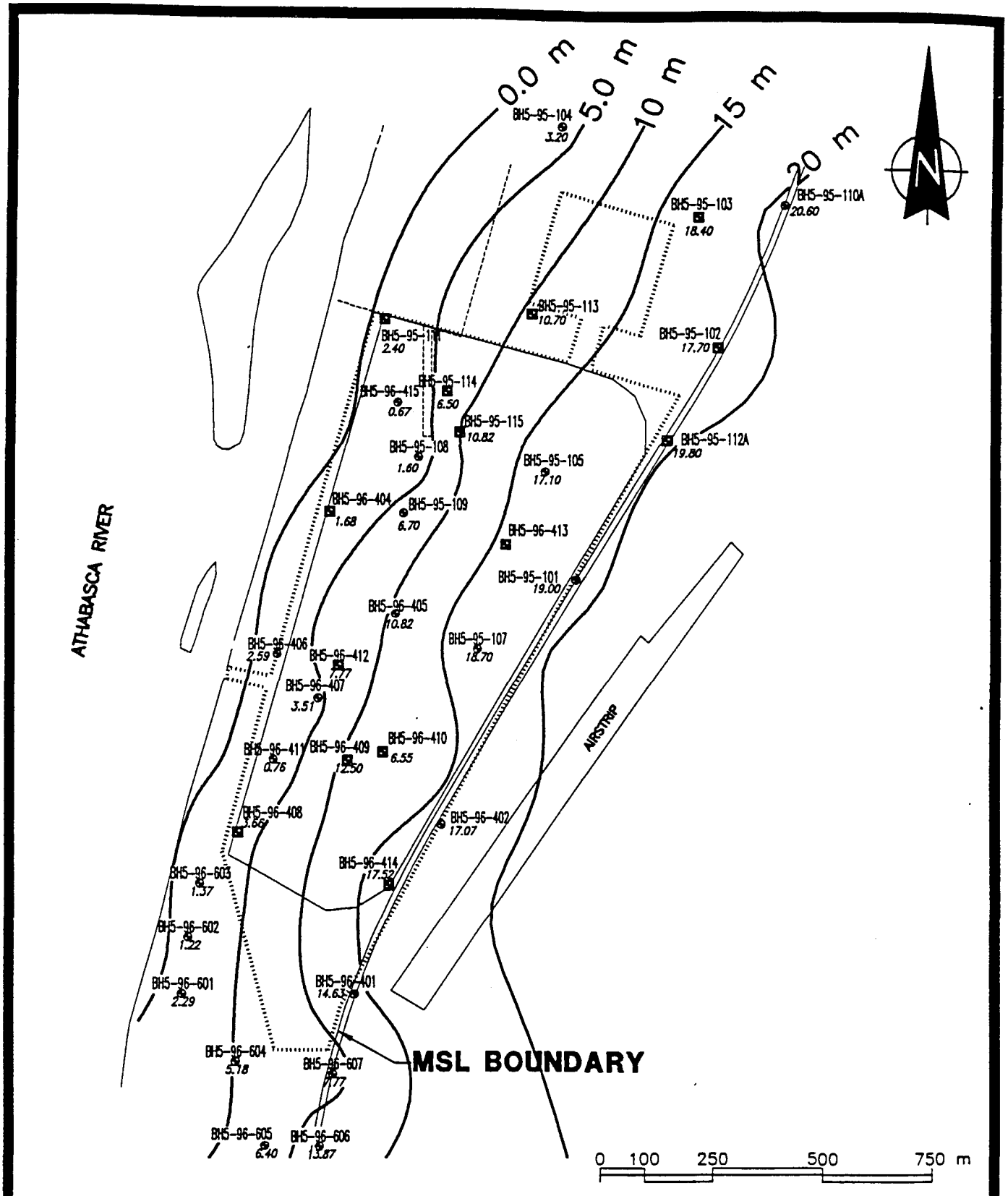
- **Complete a separate form for each hole.**
- **Submit completed forms to PAM HAY, WELL RECORDS, EUB within 3 weeks of completion of drilling of hole or upon decision that the well will not be drilled.**

SOLV-EX CORPORATION - 1997
LEASE 5 - BITUMOUNT
LITHOFACIES & BITUMEN VALUES

SOLV5-SL08
100/16-36-096-11W4/00

ID	X	Y	ELEV	FROM	TO	THICK	FACIES	OIL	WATER	SOLIDS
SL-08										
NA				0.0	17.6	17.6	Ho-Pl			
NA				17.6	21.4	3.8	Kc			
NA				21.4	24.1	2.7	Kc			
NA				24.1	24.9	0.8	Kc			
LC				24.9	26.5	1.6	575	*0.0981*	*0.0513*	*0.8465*
1				26.5	28.4	1.9	575	0.0981	0.0513	0.8465
LC				28.4	28.9	0.5	575	*0.0998*	*0.0489*	*0.8448*
2				28.9	29.3	0.4	575	0.1076	0.0465	0.8433
3				29.3	31.0	1.7	550	0.1005	0.0539	0.8419
4				31.0	33.2	2.2	550	0.1070	0.0529	0.8358
LC				33.2	35.8	2.6	550	0.1015	0.0558	0.8395
5				35.8	36.8	1.0	550	0.1011	0.0417	0.8550
6				36.8	38.8	2.0	525	0.0551	0.0683	0.8740
7				38.8	41.8	3.0	525	0.0575	0.0746	0.8628
8				41.8	43.6	1.8	525	0.0461	0.0870	0.8640
9				43.6	44.5	0.9	425	0.0114	0.0974	0.8872
10				44.5	44.9	0.4	450	0.0023	0.1037	0.8917
11				44.9	47.3	2.4	350	0.0822	0.0765	0.8374
LC				47.3	48.0	0.7	350	*0.0822*	*0.0765*	*0.8374*
12				48.0	49.7	1.7	400	0.0488	0.0698	0.8762
LC				49.7	50.3	0.6	400	*0.0462*	*0.0704*	*0.8779*
13				50.3	53.0	2.7	400	0.0445	0.0710	0.8798
14				53.0	54.8	1.8	375	0.0647	0.0731	0.8575
15				54.8	56.7	1.9	350	0.0989	0.0564	0.8438
LC				56.7	57.2	0.5	350	*0.1005*	*0.0547*	*0.8441*
16				57.2	59.2	2.0	350	0.1021	0.0530	0.8444
17				59.2	60.0	0.8	400	0.0675	0.0650	0.8645
18				60.0	61.5	1.5	350	0.1276	0.0434	0.8287
19				61.5	63.7	2.2	350	0.1256	0.0405	0.8306
20				63.7	66.0	2.3	350	0.1346	0.0341	0.8299
21				66.0	68.2	2.2	350	0.1263	0.0394	0.8338
22				68.2	70.5	2.3	350	0.1387	0.0340	0.8249
23				70.5	73.5	3.0	350	0.1382	0.0389	0.8221
LC				73.5	74.8	1.3	350	*0.1367*	*0.0370*	*0.8239*
24				74.8	76.7	1.9	350	0.1343	0.0351	0.8257
25				76.7	80.0	3.3	350	0.1357	0.0382	0.8239
26				80.0	80.8	0.8	401	0.0563	0.0659	0.8751
27				80.8	82.2	1.4	351	0.1356	0.0209	0.8383
28				82.2	83.4	1.2	225	0.0000	0.1113	0.8851
29				83.4	84.2	0.8	250	0.0000	0.1011	0.8961
30				84.2	85.0	0.8	176	0.0097	0.0848	0.9047
31				85.0	86.5	1.5	176	0.0834	0.0623	0.8509
LC				86.5	87.0	0.5	176	*0.0834*	*0.0623*	*0.8509*
NA				87.0	90.8	3.8	80			
NA				90.8	92.0	1.2	70			

- **BOREHOLES 1995 RESULTS**



DATE	DRAWN BY	APPROVED BY	SCALE	FILE NO.	DRAWING NO.
97/03/04	TN/SEC		1:12500	CG470F20	GEOL 1

Clifton Associates Ltd.
engineering science technology

CLIENT: SOLV-EX CORPORATION

PROJECT: SURFICIAL SOIL - ISOPACH

TITLE: LEASE 5 MINE AREA BOREHOLE LOCATIONS

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	SAMPLE INTERVALS (m.)
5 - 95 -101	6359418	461639	283.03	0.00 - 4.28	GRAVEL	
				4.28 - 13.80	CLAY TILL	
				13.80 - 19.00	SILTY SANDY TILL	
				19.00 - 21.79	CLEARWATER	
5 - 95 - 102	6359952	461954	285.25	0.00 - 10.40	SAND & GRAVEL	
				10.40 - 17.70	CLAY TILL	
				17.70 - 21.79	CLEARWATER	
5 - 95 - 103	6360252	461909	281.86	0.00 - 4.70	SAND & GRAVEL	
				4.70 - 15.80	CLAY TILL	
				15.80 - 18.40	SILTY SANDY TILL	
				18.40 - 19.90	CLEARWATER	
				19.90 - 21.79	McMURRAY	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	SAMPLE INTERVALS (m.)
5 - 95 -104	6360456	461600	265.22	0.00 - 3.20	SAND	
				3.20 - 9.28	CLEARWATER	
				9.28 - 9.80	McMURRAY	
5 - 95 105	6359664	461568	279.18	0.00 - 1.60	SAND & GRAVEL	
				1.60 - 8.80	CLAY TILL	
				8.80 - 17.10	SILTY SANDY TILL	
				17.10 - 21.79	McMURRAY	
5 - 95 - 106	6360126	461694	276.22	0.00 - 0.48	ORGANIC SOIL	
				0.48 - 1.70	SAND	
				1.70 - 10.66	CLAY TILL	
				10.66 - 17.20	SILTY SANDY TILL	
				17.20 - 18.80	CLEARWATER	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	SAMPLE INTERVALS (m.)
5 - 95 -107	6359259	461412	280.63	0.00 - 3.20	SAND & GRAVEL	
				3.20 - 7.00	CLAY TILL	
				7.00 - 18.70	SILTY SANDY TILL	
				18.70 - 23.32	CLEARWATER	
5 - 95 -108	6359698	461275	264.99	0.00 - 1.62	SAND	
				1.62 - 8.92	CLEARWATER	
				8.92 - 9.60	McMURRAY	
5 - 95 - 109	6359570	461240	256.30	0.00 - 1.20	FILL	
				1.20 - 6.72	SILTY SANDY TILL	
				6.72 - 11.13	CLEARWATER	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	SAMPLE INTERVALS (m.)
5 - 95 - 110A	6360279	462111	285.52	0.00 - 7.34	SAND & GRAVEL	
				7.34 - 20.60	CLAY TILL	
				20.60 - 23.32	CLEARWATER	
5 - 95 - 110B	6360283	462112	285.56	0.00 - 6.10	SAND & GRAVEL	
5 - 95 - 111	6360015	461195	253.87	0.00 - 0.34	ORGANIC SOIL	
				0.34 - 2.42	SAND	
				2.42 - 6.55	McMURRAY	
5 - 95 - 112A	6359738	461842	284.28	0.00 - 1.58	SAND	
				1.58 - 12.18	CLAY TILL	
				12.18 - 19.20	SILTY SANDY TILL	
				19.20 - 21.79	CLEARWATER	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	SAMPLE INTERVALS (m.)
5 - 95 - 112B	6359735	461841	284.47	0.00 - 1.60	SAND	
				1.60 - 9.14	CLAY TILL	
5 - 95 - 113	6360028	461536	271.29	0.00 - 0.60	SAND	
				0.60 - 4.24	CLAY TILL	
				4.24 - 10.66	SILTY SANDY TILL	
				10.66 - 14.17	CLEARWATER	
5 - 95 - 114	6359849	461340	267.34	0.00 - 0.38	ORGANIC SOIL	
				0.38 - 6.48	SILTY SANDY TILL	
				6.48 - 8.08	CLEARWATER	
5 - 95 - 115	6359756	461370	269.50	0.00 - 0.16	ORGANIC SOIL	
				0.16 - 5.44	SAND	
				5.44 - 10.84	SILTY SANDY TILL	
				10.84 - 12.65	CLEARWATER	

- **BOREHOLES 1996 RESULTS**

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA 400 SERIES BOREHOLES

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	REMARKS
5-96-401	6358472	461129	280.57	0.0 - 0.61	ORGANIC SOIL	No piez. installed
				0.61 - 2.44	CLAY TILL	
				2.44 - 3.05	SILTY, SANDY TILL	
				3.05 - 5.33	SAND	
				5.33 - 14.63	SILTY, SANDY TILL	
				14.63 - 16.46	CLEARWATER	
5-96-402	6358858	461329	284.41	0.0 - 0.31	ORGANIC SOIL	No piez. installed
				0.31 - 6.40	SAND & GRAVEL	
				6.40 - 14.02	SAND	
				14.02 - 17.07	SILTY, SANDY TILL	
				17.07 - 19.51	CLEARWATER	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA 400 SERIES BOREHOLES

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	REMARKS
5-96-403	6359014	461418	284.96	0.0 - 0.31	ORGANIC SOIL	Piez. installed
				0.31 - 5.18	SAND & GRAVEL	
				5.18 - 10.21	CLAY TILL	
				10.21 - 16.15	SAND	
				16.15 - 26.67	SILTY, SANDY TILL	
5-96-404	6359572	461071	249.11	0.0 - 1.07	MUSKEG	Piez. installed
				1.07 - 1.68	SAND	
				1.68 - 8.84	OIL SAND	
5-96-405	6359335	461227	264.66	0.0 - 0.76	MUSKEG	No piez. installed
				0.76 - 5.49	SAND	
				5.49 - 10.82	SILTY, SANDY TILL	
				10.82 - 16.76	CLEARWATER	
				16.76 - 17.98	OIL SAND	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA 400 SERIES BOREHOLES

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	REMARKS
5-96-406	6359247	460950	244.06	0.00 - 0.91	MUSKEG	No piez. installed
				0.91 - 2.59	SAND	
				2.59 - 7.32	OIL SAND	
5-96-407	6359146	461045	248.58	0.00 -0.27	ORGANIC SOIL	No piez. installed
				0.27 - 3.51	SAND & GRAVEL	
				3.51 - 6.98	CLEARWATER	
				6.98 - 8.84	OIL SAND	
5-96-408	6358841	460861	246.38	0.00 - 0.46	MUSKEG	Piez. installed
				0.46 - 3.66	SAND	
				3.66 - 5.18	CLEARWATER	
				5.18 - 7.32	OIL SAND	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA 400 SERIES BOREHOLES

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	REMARKS
5-96-409	6359006	461112	260.04	0.0 - 0.27	ORGANIC SOIL	Piez. installed
				0.27 - 4.72	SAND	
				4.72 - 6.40	CLAY TILL	
				6.40 - 12.50	SAND	
				12.50 - 14.02	CLEARWATER	
				14.02 - 14.94	OIL SAND	
5-96-410	6359025	461194	263.11	0.0 - 0.24	ORGANIC SOIL	Piez. installed
				0.24 - 6.55	SAND	
				6.55 - 11.89	CLEARWATER	
5-96-411	6359007	460942	248.06	0.0 - 0.76	SAND	Piez. installed
				0.76 - 7.01	CLEARWATER	
				7.01 - 7.62	OIL SAND	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA 400 SERIES BOREHOLES

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	REMARKS
5-96-412	6359221	461091	255.62	0.0 - 0.76	MUSKEG	Piez. installed
				0.76 - 1.52	SAND	
				1.52 - 3.81	SILTY, SANDY TILL	
				3.81 - 5.49	CLEARWATER	Displaced
				5.49 - 7.77	SAND	
				7.77 - 13.11	CLEARWATER	
				13.11 - 13.41	OIL SAND	
5-96-413	6359500	461479	279.28	0.0 - 0.76	MUSKEG	Piez. installed
				0.76 - 1.83	SAND	
				1.83 - 7.62	CLAY TILL	

SOLV-EX CORPORATION
LEASE 5 BOREHOLE STRATIGRAPHY
MINE AREA 400 SERIES BOREHOLES

HOLE NUMBER	NORTHING	EASTING	ELEVATION (m.)	DEPTH	STRATIGRAPHY	REMARKS
5-96-414	6358722	461207	280.59	0.0 - 0.24	MUSKEG	Piez. installed
				0.24 - 0.61	SAND	
				0.61 - 1.68	CLAY TILL	
				1.68 - 9.75	SAND	
				9.75 - 17.52	SILTY, SANDY TILL	
				17.52 - 19.50	CLEARWATER	
5-96-415	6359824	461226	257.45	0.0 - 0.37	MUSKEG	No piez. installed
				0.37 - 0.67	SAND	
				0.67 - 3.20	CLEARWATER	
				3.20 - 7.32	OIL SAND	

- **MINERAL CHARACTERIZATION (COREHOLES & BOREHOLES)**

- **1995 RESULTS**

Solv-ex Corporation

4-Dec-95 Work Order 43815

Lab ID	Hole ID	Sample #	Top	Bottom	Facies	Bitumen	% Al2O3	% CaO	% Fe2O3	% MgO	% K2O	% SiO2	% NaO	% TiO2
192879	5-95-3	2	10.8	14.5	575	10.5	0.80	0.41	1.20	0.23	0.34	77.89	-	0.04
192880		5	17.5	19.8	550	12.5	1.30	-	0.45	0.16	0.44	73.86	-	0.12
192881		8	25.3	26.4	525	5.8	5.80	-	1.29	-	0.33	82.44	-	0.24
192885		15	37.3	38.5	400	3.9	5.19	-	1.06	-	0.46	74.42	-	0.39
192888		17	42	45.5	375	8.3	5.31	-	1.36	0.20	1.12	64.70	-	0.33
192890		21	51.3	54.8	350	13	1.90	-	0.39	-	0.70	78.72	-	0.18
192886	5-95-20	2	38.4	40.5	575	12.4	1.30	-	0.39	-	0.45	80.60	-	0.05
192889		8	49.8	51.1	525	6.3	5.68	0.37	1.30	0.58	1.41	55.97	-	0.23
192892		12	55.3	56.8	400	5.7	6.66	-	1.49	0.27	1.41	63.13	-	0.36
192894		15	60.6	61.8	350	8.7	4.83	-	0.65	0.17	1.18	70.64	-	0.32
192896		19	67.6	69.5	375	7.1	6.09	-	1.10	0.17	1.29	66.19	-	0.28
192897		28	80.9	83.5	325	12.6	3.66	-	0.68	-	1.06	86.26	-	0.21
192882	5-95-23	2	25.5	27.5	575	10.5	0.68	-	0.45	0.16	0.69	62.09	-	0.03
192883		5	31.1	32.8	550	11.7	2.02	0.39	0.52	0.46	1.48	67.74	0.34	0.09
192884		8	36.4	38.8	525	5.6	5.91	-	1.07	0.22	1.31	68.45	-	0.24
192887		10	40.5	41.7	325	12.4	2.34	-	0.25	-	0.79	58.94	-	0.22
192891		17	51	54	400	4.8	5.21	-	1.18	0.18	1.08	65.42	-	0.37
192893		20	58.5	61	375	10.9	3.11	-	0.61	-	0.74	78.46	-	0.24
192895		24	65.5	67.5	350	13.3	2.57	-	0.54	-	0.76	70.67	-	0.17
192965	5-95-101		20	21.5			6.93	5.14	2.07	1.53	1.38	65.94	0.51	0.36
192966			30	31.5			4.54	3.47	1.24	1.08	0.87	72.51	0.47	0.27
192967			45	48			3.51	4.65	1.24	1.20	0.81	83.48	0.36	0.24
192968			70	71.5			3.65	0.79	2.68	1.00	1.50	83.07	0.90	0.59
192969			65	65.5			3.49	0.65	2.73	1.07	1.69	59.06	0.95	0.46
192970	5-95-102		5	6.5			4.73	13.55	4.03	1.65	1.47	61.73	1.08	0.13
192971			15	16.5			5.53	10.86	7.89	1.91	1.12	57.19	1.03	0.18
192972			35	36.5			2.17	0.50	2.58	0.40	1.24	71.40	0.57	0.40
192973			40	41.5			6.95	3.49	2.59	1.16	1.62	67.51	0.57	0.36

Lab ID	Hole ID	Sample #	Top	Bottom	Facies	Bitumen	% Al2O3	% CaO	% Fe2O3	% MgO	% K2O	% SiO2	% [illegible]	% TiO2
192974			55	55.8			2.18	3.11	1.40	0.73	0.57	73.96	0.38	0.13
192975			55	56.5			5.88	4.48	2.02	1.49	1.43	67.91	0.59	0.37
192976			60	61.5			4.17	0.82	2.59	1.52	2.32	60.00	1.30	0.72
192951	5-95-08	-	0	1.6	Sand		5.70	0.87	3.90	1.72	2.68	60.96	0.58	0.70
192950			1.6	8.9	Clearwater		6.09	0.64	2.90	1.45	2.43	50.76	1.17	0.61
192949			8.9	9.6			5.68	0.81	2.94	1.91	2.59	59.87	1.20	0.55
192976R							4.71	0.00	2.59	0.00	0.00	55.38	0.00	0.76
LKSD-1:1	Measured Value					-	7.18	8.90	3.64	1.63	1.31	37.28	2.61	0.41
	CMRC Value						7.80	10.80	4.10	1.70	1.10	40.10	2.00	0.50
	% Recovery						92.05	82.38	88.85	95.62	119.36	92.97	130.66	82.34
LKSD-1:2	Measured Value					-	8.82	10.42	3.95	1.39	1.21	37.28	2.16	0.53
	CMRC Value						7.80	10.80	4.10	1.70	1.10	40.10	2.00	0.50
	% Recovery						113.08	96.48	96.24	61.70	109.62	92.97	108.16	106.37

- **RYDER SCOTT SUMMARY LETTER**

SOLV-EX CORPORATION

ESTIMATED RESERVES
AND
EVALUATION OF ECONOMIC VIABILITY
OF AN
OIL SANDS CO-PRODUCTION EXPERIMENTAL PROJECT

CONFIDENTIAL

As of
January 1, 1996

RYDER SCOTT COMPANY PETROLEUM ENGINEERS

RYDER SCOTT COMPANY
PETROLEUM ENGINEERS

1850, 355-8TH AVENUE, S.W. CALGARY, ALBERTA T2P 1C9 TELEPHONE (403) 262-2799 FAX (403) 262-2790

February 7, 1996

Solv-Ex Corporation
500 Marquette, N.W.
Suite 300
Albuquerque, New Mexico 87102

Attention: Mr. John Rendall

Dear Sir:

In accordance with your request Ryder Scott Company ("Ryder Scott") has completed a study entitled Estimated Reserves and Evaluation of Economic Viability of an Oil Sands Co-Production Experimental Project. The effective date for this evaluation is January 1, 1996.

The purpose of this evaluation was initially to determine the Bitumen-in-Place, the recoverable bitumen and the recoverable alumina from the mineable area under Leases 5 and 52 in N.W. Alberta, Canada. We were also asked to assess the economic viability of an experimental co-production plant on Lease 5. Subsequently, the study expanded into an evaluation of full commercial operations.

Insufficient time was available to observe and assess in detail the individual extraction processes, including their costs, both capital and operating, and their efficiencies. The data provided to Ryder Scott by Solv-Ex Corporation ("Solv-Ex") pertaining to these extraction processes were accepted without Ryder Scott's independent verification. In evaluating the bitumen and alumina reserves, however, Ryder Scott reviewed core hole data, logs and maps as well as reports by Oil Sands Evaluation Ltd. (O.S.E.L.) and Ranger/Pemberton concerning reserves under Lease 5. The Ryder Scott evaluation of the Bitumen-in-Place compares favorably with the two evaluations mentioned above:

	LEASE 5 Original Bitumen-in-Place (MMBbls)
Oil Sands Evaluation Ltd.	1,315
Ranger/Pemberton	1,402
Ryder Scott Company	1,397

Ryder Scott's evaluation also compared favorably with O.S.E.L. for Bitumen-in-Place in Lease 52:

	LEASE 52 Original Bitumen-in-Place (MMBbls)
Oil Sands Evaluation Ltd.	6,810
Ryder Scott Company	6,397

In the proposed mine area for the experimental project, Ryder Scott's evaluation resulted in the following estimates:

	Estimate of Reserves Experimental Project Area	
	In-Place	Mineable
Bitumen (MMBbls)	31.909	27.761
Alumina (Ore Body)-MMTons	1.17	1.17
Alumina (Interburden)-MMTons	1.09	1.09

This mine area should provide sufficient bitumen reserves for the first 5 years of the 14,000 BOPD experimental plant. A twenty-five year operation will require approximately 5 times this area on Lease 5.

The following table summarizes the present worth value of two different sized plants assuming a 25 year life at discount factors of 10 and 15 percent. Three West Texas Intermediate (WTI) oil price scenarios were evaluated using both unescalated and escalated price projections. At the request of Solv-Ex, the escalated cases assumed an annual escalation rate of 3.5 percent beginning January 1, 1997.

	ESTIMATED PRESENT WORTH (25 YEAR LIFE)			
	14,000 BOPD Plant (15,800 w/Diluent) 65,000 Tons/Yr. Alumina Commissioned July 1997		50,000 BOPD Plant (56,430 w/Diluent) 232,000 Tons/Yr. Alumina Commissioned Jan 2001	
	Unescalated (M$)	Escalated (M$)	Unescalated (M$)	Escalated (M$)
$17.00 US ($22.97 Cdn)/Bbl				
10% Discount Factor	244,000	400,000	751,000	1,335,000
15% Discount Factor	110,000	189,000	306,000	558,000
Payout	Nov 2000	Aug 2000	April 2003	Feb 2003
$18.50 US ($25.00 Cdn)/Bbl				
10% Discount Factor	315,000	500,000	933,000	1,618,000
15% Discount Factor	157,000	251,000	406,000	705,000
Payout	May 2000	Mar 2000	Jan 2003	Nov 2002
$20.00 US ($27.03 Cdn)/Bbl				
10% Discount Factor	387,000	599,000	1,112,000	1,899,000
15% Discount Factor	204,000	312,000	505,000	850,000
Payout	Jan 2000	Nov 1999	Oct 2002	Aug 2002

The values derived in this report are based on 100 percent working interest and an assumed 1 percent Royalty Burden until payout of the investment. After payout, the Royalty Burden reverts to a 25 percent net profits royalty. This same royalty was assumed for both bitumen and alumina, although royalty negotiations concerning the alumina may result in a lesser burden. It should be noted that the royalty applies to only the oil and not to the diluent.

The producing rates for each of the plants were scheduled to be 50 percent of capacity for the first three months, 75 percent for the next three and 100 percent thereafter.

The values presented in this report are as of January 1, 1996. The estimates of reserves presented herein are based upon a detailed study of the properties in which Solv-Ex owns an interest; however, we have not made any field examination of the properties. Solv-Ex has informed us that they have furnished us all of the geological and engineering data, reports and other data required for this investigation.

Neither we nor any of our employees have any interest in the subject properties and neither the employment to make this study nor the compensation is contingent on our estimates of reserves and future income for the subject properties.

This report was prepared for the exclusive use of Solv-Ex Corporation. The data, work papers, and maps used in the preparation of this report are available for examination by authorized parties in our offices. Please contact us if we can be of further service.

We appreciate this opportunity to have been of service.

Sincerely,

RYDER SCOTT COMPANY
PETROLEUM ENGINEERS

[redacted]

Roy F. Legere, B.Sc.
Reservoir Engineer

RFL/lam

Approved by:

Douglas G. Manner, P.Eng.
Senior Vice President
Manager, Calgary Office

PROFESSIONAL ENGINEER ALBERTA
DOUGLAS G. MANNER
LICENSED TO PRACTICE