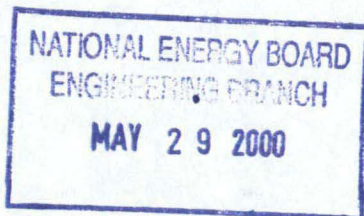


AEC OIL & GAS CO. LTD.
POST WELL ANALYSIS REPORT FOR
AEC RENAISSANCE CARCAJOU
D-07-A/104-N-16



525 - 3rd Avenue S.W.
Calgary, Alberta
Canada T2P 0G4
Bus (403) 509-4000
Bus (403) 509-4300

Schlumberger

40004630

AEC OIL & GAS CO. LTD.
POST WELL ANALYSIS REPORT FOR
AEC RENAISSANCE CARCAJOU
D-07-A/104-N-16

Job Identification

Alberta Energy Corp

Project ID: AEC Renaissance Carcajou D-07

Pad ID: Single well

Well ID: AEC Renaissance Carcajou D-07

Unique ID: 200/ D-07-A/ 104-N-16/ 00

Operator: Alberta Energy Corp

Address: 3700, 707-8th AVE SW
Calgary, Alberta
T2P-1H5

Co Rep: Allan Anger

Contractor: Akita Drilling

Rig ID: Akita #14

Pusher: Mel Zerr

Service Co: Anadrill - Schlumberger

District: Calgary, Alberta

DD Eng(s): Eric Erickson

DD Eng(s):

MWD Eng(s): Barry Timmerman

MWD Eng(s):

Start Date: Sunday March 12 ,2000

Release Date: Sunday March 19,2000

Total Days: 8

Well Specifications

Alberta Energy Corp

Well Name: AEC Renaissance Carcajou D-07

Well Number: 200/ D-07-A/ 104-N-16/ 00

Field Name: Carcajou

Area: Fort Good Hope

KB level (above sea):	88.00 m	Magnetic Declination
Ground Level (above sea):	83.20 m	31.6
KB to Ground level :	4.80 m	

Surface Location

N/S Coord:

E/W Coord:

Target Loc: Planned

(Ref: Kelly Bushing) **Final Bottom Hole Loc:**

N/-S Coord: vertical

N/-S Coord: 14.80m

E/-W Coord:

E/-W Coord: 3.30m

TVD:

TVD: 859.65m

Target Radius: vertical

Well Descriptions

Alberta Energy Corp

AEC Renaissance Carcajou D-07
200/ D-07-A/ 104-N-16/ 00

Project Description: Proposed

This well is to be drilled to an approximate depth of 875M, with intermediate casing being set at about 625m, then 156mm hole to TD

Anadrill was called in to help with hole deviation problems

The hole is a tight location

Project Description: Actual

The surface hole was already drilled and casing was set to a depth of 175m.

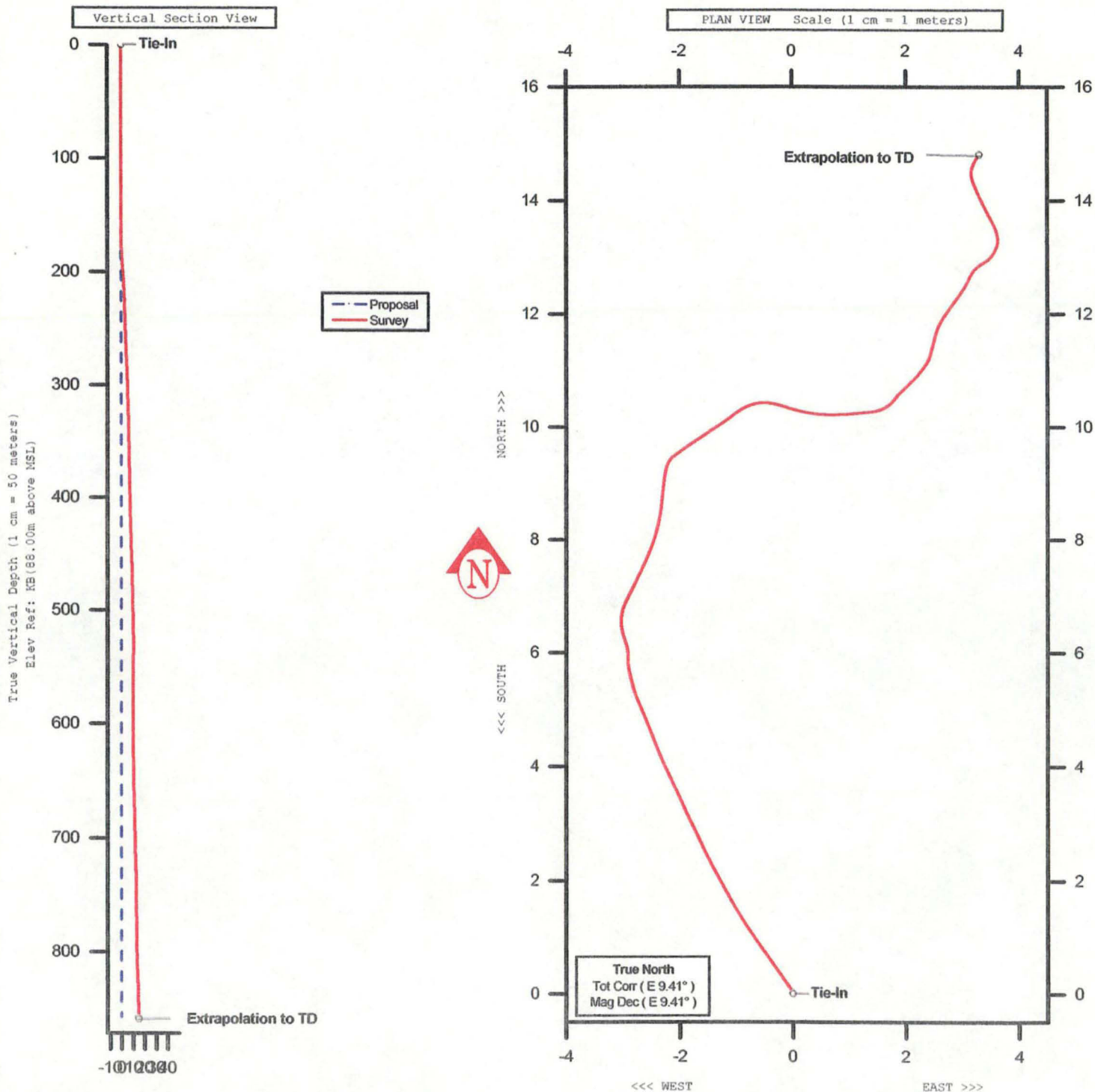
A 6.75 motor was picked up with a PDC bit and used to drill out the shoe, the surface casing was set at 5.5 degrees, a few slides got the hole back to under 1.5 degrees

The PDC bit worked very well in this formation, 50 m of slide was required on this upper section of the well, with an average ROP of 16.4m/ph.

Intermediate casing was set and 4.75 " tools were picked up and run in the hole with a PDC bit, and used to drill ahead. The PDC bit drilled at only 2 to 2.5 m/hr. . It was promptly pulled and a tricone was run in and averaged 6.6m/ph and was used to TD the well.

WELL AEC CARCAJOU D-07-A/104-N-16	FIELD CARCAJOU (CDN)	STRUCTURE AEC / D-07-A/104-N-16
Magnetic Parameters Model: BGGM 1999 Dip: 8.818° Mag Dec: 9.413° Date: April 05, 2000 FS: 31247.2 nT	Surface Location Lat: N0 0 0.000 Lon: W121 29 19.478 North: 0.00 m East: 0.00 m Grid Conv: 0.0000° Scale Fact: 1.0027	Miscellaneous Slot: Slot #1 Elev Ref: KB(88.00m above MSL) Date Drawn: 09:03:57AM 17-May-2000

COMPLETION DRAWING



Final Survey

Client: Alberta Energy Company	Survey Computation Method: Minimum Curvature
Field: CARCAJOU (CDN)	DLS Computation Method: Lubinski
Structure: AEC / D-07-A/104-N-16	Vertical Section Azimuth: 0.000°
Well: AEC CARCAJOU D-07-A/104-N-16	Vertical Section Origin: N 0.000 m, E 0.000 m
Borehole: Job# 40004630	TVD Reference: KB
UWVAPI#: 88.0 m above MSL	
Date: May 17, 2000	Magnetic Declination: 9.413°
Grid Convergence: 0.00000000°	Total Field Strength: 31247.196 nT
Scale Factor: 1.00269630	Dip: 8.818°
	Declination Date: April 05, 2000
Location: N 0 0 0.000, W 121 29 19.478	Magnetic Declination Model: BGGM 1999
: N 0.000 m, E 0.000 m	North Reference: True North
Coordinate System: NAD83 UTM Zone 11N	Coordinate Reference To: Well Head

Station ID	MD (m)	Incl (°)	Azim (°)	TVD (m)	VSec (m)	N-S (m)	E-W (m)	Closure (m)	at Azim (°)	DLS (°/30m)	TF (°)
ie-In	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0		0.0 M
	172.00	0.00	0.0	172.00	0.00	0.00	0.00	0.00	0.0	0.00	-35.2 M
	195.20	5.50	324.8	195.16	0.91	0.91	-0.64	1.11	324.8	7.11	151.5 G
	204.90	4.60	331.1	204.83	1.63	1.63	-1.10	1.96	326.0	3.27	-28.9 M
	214.60	3.30	331.1	214.50	2.21	2.21	-1.42	2.63	327.3	4.02	-24.6 M
	224.30	2.50	335.4	224.19	2.65	2.65	-1.64	3.12	328.2	2.56	-26.1 M
	233.90	2.10	333.9	233.78	3.00	3.00	-1.81	3.50	328.9	1.26	-23.2 M
	243.80	1.20	336.8	243.68	3.26	3.26	-1.93	3.79	329.4	2.74	-24.6 M
	253.40	2.40	335.4	253.27	3.53	3.53	-2.05	4.09	329.9	3.75	-25.4 M
	263.10	2.50	334.6	262.97	3.91	3.91	-2.23	4.50	330.3	0.33	-21.8 M
	272.80	2.50	338.2	272.66	4.30	4.30	-2.40	4.92	330.8	0.49	-21.8 M
	282.50	2.70	338.2	282.35	4.70	4.70	-2.56	5.36	331.5	0.62	-23.9 M
	292.20	2.30	336.1	292.04	5.09	5.09	-2.72	5.78	331.9	1.27	-14.1 M
	301.90	1.50	345.9	301.73	5.40	5.40	-2.83	6.09	332.3	2.66	-13.4 M
	311.60	1.40	346.6	311.43	5.63	5.63	-2.89	6.33	332.8	0.31	1.4 M
	321.30	1.60	1.4	321.12	5.89	5.89	-2.92	6.57	333.6	1.34	-19.0 M
	331.00	1.50	341.0	330.82	6.14	6.14	-2.95	6.81	334.3	1.72	-12.7 M
	340.70	1.10	347.3	340.52	6.35	6.35	-3.02	7.03	334.6	1.31	26.0 M
	369.70	1.10	26.0	369.51	6.87	6.87	-2.95	7.48	336.7	0.75	27.4 M
	389.00	1.10	27.4	388.81	7.20	7.20	-2.79	7.72	338.8	0.04	22.5 M
	418.10	1.50	22.5	417.90	7.80	7.80	-2.51	8.20	342.1	0.43	6.3 M
	447.20	1.80	6.3	446.99	8.61	8.61	-2.32	8.92	344.9	0.57	5.6 M
	456.80	2.00	5.6	456.59	8.93	8.93	-2.29	9.21	345.6	0.63	13.3 M
	466.50	1.70	13.3	466.28	9.24	9.24	-2.24	9.50	346.4	1.20	51.3 M
	476.20	1.40	51.3	475.98	9.45	9.45	-2.11	9.68	347.4	3.24	58.3 M
	505.30	2.20	58.3	505.06	9.97	9.97	-1.36	10.06	352.2	0.85	51.3 M
	515.00	2.40	51.3	514.75	10.19	10.19	-1.04	10.24	354.2	1.07	72.4 M
	524.70	2.10	72.4	524.45	10.37	10.37	-0.71	10.40	356.1	2.71	100.5 M

Station ID	MD (m)	Incl (°)	Azim (°)	TVD (m)	VSec (m)	N-S (m)	E-W (m)	Closure (m)	at Azim (°)	DLS (%/30m)	TF (°)
	534.40	1.80	100.5	534.14	10.40	10.40	-0.39	10.40	357.8	3.06	108.2 M
	544.10	1.70	108.2	543.84	10.32	10.32	-0.11	10.32	359.4	0.79	102.6 M
	553.80	1.40	102.6	553.53	10.25	10.25	0.15	10.25	0.8	1.04	91.4 M
	573.10	1.30	91.4	572.83	10.20	10.20	0.59	10.21	3.3	0.44	85.0 M
	592.50	1.10	85.0	592.22	10.21	10.21	1.00	10.26	5.6	0.37	84.3 M
	612.00	1.10	84.3	611.72	10.24	10.24	1.37	10.33	7.6	0.02	37.2 M
	640.90	1.00	37.2	640.62	10.47	10.47	1.80	10.62	9.8	0.88	44.3 M
	650.60	1.20	44.3	650.31	10.61	10.61	1.92	10.78	10.3	0.75	47.1 M
	660.30	1.70	47.1	660.01	10.78	10.78	2.10	10.98	11.0	1.56	36.5 M
	670.00	2.10	36.5	669.71	11.02	11.02	2.31	11.26	11.8	1.64	14.0 M
	679.60	1.30	14.0	679.30	11.27	11.27	2.44	11.53	12.2	3.21	15.6 M
	699.00	1.10	15.6	698.70	11.66	11.66	2.55	11.94	12.3	0.31	36.5 M
	718.40	2.00	36.5	718.09	12.11	12.11	2.80	12.43	13.0	1.62	33.7 M
	728.10	1.80	33.7	727.79	12.38	12.38	2.98	12.73	13.5	0.68	24.6 M
	737.80	1.10	24.6	737.48	12.59	12.59	3.11	12.97	13.9	2.27	52.0 M
	757.10	0.60	52.0	756.78	12.82	12.82	3.26	13.23	14.3	0.98	59.0 M
	766.80	0.50	59.0	766.48	12.87	12.87	3.34	13.30	14.5	0.37	54.8 M
	776.50	0.80	54.8	776.18	12.93	12.93	3.43	13.38	14.9	0.94	35.1 M
	786.30	0.80	35.1	785.98	13.03	13.03	3.52	13.50	15.1	0.84	22.5 M
	796.00	1.10	22.5	795.68	13.17	13.17	3.60	13.65	15.3	1.13	-28.9 M
	815.40	2.20	331.1	815.07	13.67	13.67	3.49	14.11	14.3	2.69	-25.4 M
	825.10	2.30	334.6	824.76	14.01	14.01	3.32	14.39	13.3	0.53	-20.4 M
	834.70	1.60	339.6	834.36	14.31	14.31	3.19	14.66	12.6	2.25	23.2 M
	847.00	1.20	23.2	846.65	14.58	14.58	3.18	14.93	12.3	2.69	35.0 M
Extrapolation to TD	860.00	1.00	35.0	859.65	14.80	14.80	3.30	15.17	12.6	0.70	---

Survey Program:

Measured Depth

0.00
860.00

Tool (Wolff & deWardt Error Model)

None
None

Schlumberger		Anadrill		BHA DataSheet							
Alberta Energy Corp											
J SO#	40004630		Hole Size: 222 mm	Depth in: 172 m		Depth out: 626 m		Mtr. Drlg 454 m		BHA # 1	
Well	AEC Renaissance Carcajou	Last cas. @	172.0m	Date In	Mar 13 00	Date Out	Mar 15 00	Days	3.0	SPP Off 4000.0 MPa	
LSD	200/ D-07-A/ 104-N-16/ 00	Bit to Svy.	14.0 m	PDM Run #	1	Drlg hrs	30.75 hrs	Circ. Hrs	7.3 hrs	SPP On 5500.0 MPa	
Pad ID	Single well	React. Torq.	60	Mot. Vend.	Vector	Avg. ROP	14.76 m/hr	Tot. D&C	38.0 hrs	Differential 1500.0 MPa	
Field	Carcajou	Rot. Torq	300	R/S conf.	7:8 3.0	verse ROP	4.1 min/m	Pump #	1	Pump #	
Prov.	N W T	Inc. In	5.5 deg	ABH Set	1.5	Slide Dist.	50.0 m	Pump Man.	Emsco	Pump Man.	
Rig	Akita #14	Azm. In	322.0 deg	Motor RPM	100	Rotate Dist.	404.0 m	Pump type	E-500	Pump type	
Co.Rep	Allan Anger	Inc. Out	1.1 deg	Rot. RPM	50	Slide Hrs.	3.39 hrs	Tri /Dup	Triplex	Tri /Dup	
Rig Man	Mel Zerr	Azm. Out	84.3 deg	Avg. WOR	4/5	Rnt Hrs	27.36 hrs	Stroke	191 mm	Stroke	
DD	Eric Erickson	MWD	Barry Timmerman	BHA Wt.	14 maN	Slide ROP	14.75 m/hr	Liner	152 mm	Liner	
DD		MWD		String Wt	26 maN	Rot. ROP	16.59 m/hr	Strks / min	120	Strks / min	
DD		MWD		P/U Wt.	26 maN	Steering	11.0%	Vol(strk)	.0104cu. m	Vol(strk)	
DD		MWD		S/O Wt.	26 maN	Rotate	89.0%	Volume	1.25 m3	Volume	
Mud	Floc	Mud Vis	28 sec/L	Sand		Chlorides		YP		PH 9.0	
Mud Wt	1000 kg/cu. m	WL		Solid cont		Oil/Water		PV		MWD BHT 27.0 deg./C	
Item	#	Description	Vendor	Serial #	Max OD	OD	ID	B. Conn	T. Conn	Length	Cum Len
1	1	SS66L 4x11.1 1x12.7	BR	196252OA		222			4.5Reg	0.25	0.25
2	1	6.75 Motor 7:8 3.0 @1.50	Vector	3109-67198	193	171		4.5Reg	4.5H90	7.06	7.31
3	1	Float Sub	Anadrill	1316580		165	75	4.5H90	4.5H90	0.77	8.08
4	1	UBHO Sub	Anadrill	1416562		161	72	4.5H90	4.5H90	0.63	8.71
5	1	NMDC	Anadrill	1916539		170	72	4.5H90	4.5H90	9.21	17.92
6	1	X/Over	Anadrill	1216576		171	69	4.5H90	4.5XH	0.62	18.54
7	13	DC,S	Akita					4.5XH	4.5XH	120.50	139.04
8	1	X/Over	Akita					4.5XH	4.FH	0.92	139.96
9		Drill Pipe to Surface	Akita					4FH	4FH		
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
Exp : Act : Com.: Bit condition Cutting structure B G Remarks IADC Inner Outer MDC LOC BRG GAUG ODC REASON code rows rows 1/16 PULLED PDC											
Make-up Torque ALL TORQUE'S ARE FOR STEEL, USE 80% FOR MONEL'S; (Divide all torque values by length of long arm)											
Drill Collars			Hevi-Wate drill pipe			Motor Nut - Anadrill's Motors					
4.5 H90	23000 ft lb / 31200 N-m		2.9 AOH 3500 ft lb /4700 Nlm			2.38 890 ft lb / 1200 N-m					
4 IF/4.5XH/NC46	22200 ft lb / 30100 N-m		2.9 H90 4600 ft lb /6200 Nlm			2.87 1650 ft lb / 2200 N-m					
4.5 FH	19800 ft lb / 26800 N-m		3.5 IF / NC38 9900 ft lb /13400 Nlm			3.38 3600 ft lb / 4900 N-m					
3.5 IF / NC38	9900 ft lb / 13400 N-m		4 FH / NC40 13250 ft lb /18000 Nlm			4.75 10000 ft lb / 13600 N-m					
2.9 AOH	3500 ft lb / 4700 N-m		4 IF / 4.5 XH / NC46 21800 ft lb /29600 N-m			6.25 20000 ft lb / 27100 N-m					
2.9 H90	4600 ft lb / 6200 N-m		4.5 IF / 5 XH / NC50 29400 ft lb /39900 N-m			6.75 25000 ft lb / 33900 N-m					
PH6	5500 ft lb / 7500 N-m		5.5 FH 33200 ft lb /45000 N-m			8 35000 ft lb / 47500 N-m					
VO55	3750 ft lb / 5100 N-m		6.635 FH 46900 ft lb /63600 N-m			9.62 3 ft lb / 81300 N-m					

Schlumberger		Anadrill		BHA Data Sheet							
Alberta Energy Corp											
JSO#	40004630		Hole Size: 156 mm	Depth in: 626 m		Depth out: 642 m		Mtr. Drig 16 m		BHA # 2	
Well	AEC Renaissance Carcajou		Last cas. @	626.0m		Date In	Mar 16 00		Date Out	Mar 16 00	
LSD	200/ D-07-A/ 104-N-16/ 00		Bit to Svy.	13.0 m		PDM Run #	2		Drig hrs	3.75 hrs	
Pad ID	Single well		React. Torq.			Mot. Vend.	Anadrill		Avg. ROP	4.27 hrs	
Field	Carcajou		Rot. Torq.			R/S conf.	7:8 2.2		verse ROP	14.06 m/hr	
Prov.	N W T		Inc. In	1.1 deg		ABH Set	1.15		Slide Dist.		
Rig	Akita #14		Azm. In	84.3 deg		Motor RPM	140		Rotate Dist.	16	
Co.Rep	Allan Anger		Inc. Out	1.1 deg		Rot. RPM	40		Slide Hrs.		
Rig Man	Mel Zerr		Azm. Out	84.3 deg		Avg. WOB	2/3		Rot. Hrs.	3.75 hrs	
DD	Eric Erickson		MWD	Barry Timmerman		BHA Wt.	6 maN		Slide ROP		
DD			MWD			String Wt	24 maN		Rot. ROP	4.27 m/hr	
DD			MWD			P/U Wt.	24 maN		Steering		
DD			MWD			S/O Wt.	24 maN		Rotate	100.0%	
									Liner	152 mm	
									Strks / min	90	
									Vol(strk)	.0104cu. m	
									Volume	0.94 m3	
Mud Floc			Mud Vis	28 sec/L		Sand			Chlorides		
Mud Wt	1000 kg/cu. m		WL			Solid cont			Oil/Water		
									YP		
									PV		
										PH 9.0	
										MWD BHT	
Item	#	Description	Vendor	Serial #	Max OD	OD	ID	B. Conn	T. Conn	Length	Cum Len
1	1	S-T47 PDC 3X22	DPI	R-482-GN		156			3.5 Reg	0.25	0.25
2	1	4.75 MotoR 7:8 ,2.2@1.15	Anadrill	475-14-1026	136	121		3.5 Reg	3.5 IF	5.51	5.76
3	1	Float Sub	Anadrill	1312104		119	0.53	3.5 IF	3.5 IF	0.88	6.64
4	1	UBHO Sub	Anadrill	1412193		120	0.59	3.5 IF	3.5 IF	0.66	7.30
5	1	NMDC	Anadrill	2112111		120	0.58	3.5 IF	3.5 IF	9.47	16.77
6	1	NMDC	Anadrill	46300035		121	0.58	3.5 IF	3.5 IF	9.48	26.25
7	10	DC's	Akita			121	0.58	3.5 IF	3.5 IF	94.77	121.02
8	1	X/Over	Akita			121	0.58	3.5 IF	4 FH	0.47	121.49
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

Exp. :	Act. :	Com.:	Bit condition							
			Cutting structure				B G		Remarks	
			IADC code	Inner rows	Outer rows	MDC LOC	BRG GAUG	ODC REASON		
			S333					1/16		PULLED
The PDC bit did not preform well in this formation										

Make-up Torque ALL TORQUE'S ARE FOR STEEL, USE 60% FOR MONEL'S: (Divide all torque values by length of tong arm)					
Drill Collars		Hevi-Wate drill pipe		Motor Nut - Anadrill's Motors	
4.5 H90	23000 ft lb / 31200 N-m	2.9 AOH	3500 ft lb / 4700 Nlm	2.38	890 ft lb / 1200 N-m
4 IF/4.5XH/NC46	22200 ft lb / 30100 N-m	2.9 H90	4600 ft lb / 6200 Nlm	2.87	1650 ft lb / 2200 N-m
4.5 FH	19800 ft lb / 26800 N-m	3.5 IF / NC38	9900 ft lb / 13400 Nlm	3.38	3600 ft lb / 4900 N-m
3.5 IF / NC38	9900 ft lb / 13400 N-m	4 FH / NC40	13250 ft lb / 18000 Nlm	4.75	10000 ft lb / 13600 N-m
2.9 AOH	3500 ft lb / 4700 N-m	4 IF / 4.5 XH / NC46	21800 ft lb / 29600 N-m	6.25	20000 ft lb / 27100 N-m
2.9 H90	4600 ft lb / 6200 N-m	4.5 IF / 5 XH / NC50	29400 ft lb / 39900 N-m	6.75	25000 ft lb / 33900 N-m
PH6	5500 ft lb / 7500 N-m	5.5 FH	33200 ft lb / 45000 N-m	8	35000 ft lb / 47500 N-m
VO55	3750 ft lb / 5100 N-m	6.635 FH	46900 ft lb / 63600 N-m	9.62	30000 ft lb / 81300 N-m

Schlumberger

Anadrill

BHA Data Sheet

Alberta Energy Corp

JSO#	40004630	Hole Size: 156 mm	Depth in: 642 m	Depth out: 860 m	Mtr. Drlg	218 m	BHA # 3				
Well	AEC Renaissance Carcajou	Last cas. @	626.0m	Date In	Mar 17 00	Date Out	Mar 18 00	Days	2.0	SPP Off	7500.0 MPa
LSD	200/ D-07-A/ 104-N-16/ 00	Bit to Svy.	13.0 m	PDM Run #	3	Drlg hrs	33.5 hrs	Circ. Hrs	3.3 hrs	SPP On	10000.0 MPa
Pad ID	Single well	React. Torq.	40	Mot. Vend.	Anadrill	Avg. ROP	6.51 m/hr	Tot. D&C	36.8 hrs	Differential	2500.0 MPa
Field	Carcajou	Rot. Torq	100	R/S conf.	7.6 2.2	Reverse ROP	9.22018348	Pump #	1	Pump #	
Prov.	N W T	Inc. In	1.1 deg	ABH Set	1.15	Slide Dist.	23.5 m	Pump Man.	Emsco	Pump Man.	
Rig	Akita #14	Azm. In	84.3 deg	Motor RPM	100	Rotate Dist.	194.5	Pump Type	F-500	Pump Type	
Co.Rep	Allan Anger	Inc. Out	1.0 deg	Rot. RPM	40	Slide Hrs.	3.61 hrs	Tri /Dup	Triplex	Tri /Dup	
Rig Man	Mel Zerr	Azm. Out	35.0 deg	Avg. WOB	8/10	Rot. Hrs.	29.89 hrs	Stroke	191 mm	Stroke	
DD	Eric Erickson	MWD	Barry Timmerman	BHA Wt.	12 maN	Slide ROP	6.51 m/hr	Liner	152 mm	Liner	
DD		MWD		String Wt	25 maN	Rot. ROP	6.51 m/hr	Strks / min	90	Strks / min	
DD		MWD		P/U Wt.	25 maN	Steering	10.8%	Vol(strk)	.0104cu. m	Vol(strk)	
DD		MWD		S/O Wt.	25 maN	Rotate	89.2%	Volume	0.94 m3	Volume	

Mud	Gel	Mud Vis	50 sec/L	Sand		Chlorides		YP		PH	9.5
Mud Wt	1080 kg/cu. m	WL	10.0 cc's	Solid cont		Oil/Water		PV		MWD BHT	

Item	#	Description	Vendor	Serial #	Max OD	OD	ID	B. Conn	T. Conn	Length	Cum Len
1	1	XR20T open	Smith	LX3365		156			3.5 Reg	0.25	0.25
2	1	4.75 MotoR 7:8 ,2.2@1.15	Anadrill	475-14-1028	136	121		3.5 Reg	3.5 IF	5.51	5.76
3	1	Float Sub	Anadrill	1312104		119	0.53	3.5 IF	3.5 IF	0.88	6.64
4	1	UBHO Sub	Anadrill	1412193		120	0.59	3.5 IF	3.5 IF	0.66	7.30
5	1	NMDC	Anadrill	2112111		120	0.58	3.5 IF	3.5 IF	9.47	16.77
6	1	NMDC	Anadrill	46300035		121	0.58	3.5 IF	3.5 IF	9.48	26.25
7	20	DC's	Akita			121	0.58	3.5 IF	3.5 IF	189.74	215.99
8	1	X/Over	Akita			121	0.58	3.5 IF	4 FH	0.47	216.46
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

Exp. :	Bit condition									
	Cutting structure					B G		Remarks		
	IADC	Inner	Outer	MDC	LOC	BRG	GAUG	ODC	REASON	
	code	rows	rows				1/16		PULLED	
Act. :	517									
Com.:										

Make-up Torque: ALL TORQUE'S ARE FOR STEEL, USE 80% FOR MONEL'S; (Divide all torque values by length of long arm)

Drill Collars		Hevi-Wate drill pipe		Motor Nut - Anadrill's Motors	
4.5 H90	23000 ft lb / 31200 N-m	2.9 AOH	3500 ft lb / 4700 Nlm	2.38	890 ft lb / 1200 N-m
4 IF/4.5XH/NC46	22200 ft lb / 30100 N-m	2.9 H90	4600 ft lb / 6200 Nlm	2.87	1650 ft lb / 2200 N-m
4.5 FH	19800 ft lb / 26800 N-m	3.5 IF / NC38	9900 ft lb / 13400 Nlm	3.38	3600 ft lb / 4900 N-m
3.5 IF / NC38	9900 ft lb / 13400 N-m	4 FH / NC40	13250 ft lb / 18000 Nlm	4.75	10000 ft lb / 13600 N-m
2.9 AOH	3500 ft lb / 4700 N-m	4 IF / 4.5 XH / NC46	21800 ft lb / 29600 N-m	6.25	20000 ft lb / 27100 N-m
2.9 H90	4600 ft lb / 6200 N-m	4.5 IF / 5 XH / NC50	29400 ft lb / 39900 N-m	6.75	25000 ft lb / 33900 N-m
PH6	5500 ft lb / 7500 N-m	5.5 FH	33200 ft lb / 45000 N-m	8	35000 ft lb / 47500 N-m
VO55	3750 ft lb / 5100 N-m	6.635 FH	46900 ft lb / 63600 N-m	9.62	30000 ft lb / 81300 N-m

Schlumberger

JOB NUMBER 40004630		DATE MON MARCH, 13, 2000	COMPANY Alberta Energy Corp	WELL NAME AEC Renaissance Carcajou D-007
COMPANY REPRESENTATIVE Lynn Sandquest		RIG NAME Akita #14	LOCATION 200/ D-007-A/ 104-N-16/ 00	

DRILLING RECORD				TIME RECORD		COST ESTIMATE	
BIT NUMBER	1	TIME	FROM	TO	DESCRIPTION	LIST SUPPLIER (If not Anadrill)	COST
BIT SIZE	222.0	17.00		17:00	Stand by to Pick up Dir Tools	SUPERVISION 1 @ 700.00	\$ 700.00
BIT TYPE	PDC	1.50	17:00	18:30	Pick up Directional Tools	FLAT RATE 2117	
JETS (mm)		1.00	18:30	19:30	Pick up Drill Collars	MOTOR HRS 1.00 @ 200.00	\$ 200.00
DEPTH IN	172 m	3.00	19:30	22:30	Pressure Test	MOTOR DAILY	
DEPTH OUT		0.25	22:30	22:45	BOP Drill	MOTOR STBY	
METERS		0.25	22:45	23:00	Rig Service	JARS	
HOURS		1.00	23:00	0:00	Drill out Shoe	S. SHOT KIT 125.00	
ROP (m/hr)						FLOAT SUB 1.00 @ 25.00	\$ 25.00
RPM						MONEL 1.00 @ 125.00	\$ 125.00
WOB	1/2					X/Over 25.00	
PP ON	5500					STABILIZERS	
PP OFF	3700					TB REAMER	
STG.WT.	18					MWD SUPER. 1.00 @ 500.00	\$ 500.00
P/U WT	18					MWD SYSTEMS 1.00 @ 2900.00	\$ 2900.00
S/O WT	18					GAMMA RAY	
PUMP DATA						GAMMA RAY (STDBY)	
PUMP MAN.	Emaco					CMPT & WELL PLAN 350.00	\$ 350.00
PUMP MOD.	F-500					EQUIPMENT STANDBY	
Triplex/Duplex	Triplex						
LINER	152mm						
STROKE	191mm						
CU. M/STK	0.0104					SUBSISTENCE (Camp?)	
STRKS/Min.	120					camp	
VOLUME	1.25					MILEAGE	
MUD REPORT						VEH. LIC. #	KM TDYKM ACC
MUD TYPE (Gel,ect.)	Floc						
MUD WEIGHT	1000						
VISCOSITY (sec/L)	28						
WATER LOSS						KM TODAY	0.75 \$ -
pH						KM ACCUM.	
SAND						DAILY TOTAL	\$ 4808.80
TEMPERATURE (°C)		24.00	TOTAL			ACCUMULATED	\$ 7600.00

DOWNHOLE MOTORS															
RUN	MAKE	SER. NO.	Daily			Run			Well			Total			FAILURE?
			Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	(Yes/No)
1	Vector	3109-67198-10		1.00	1.00		1.00	1.00		1.00	1.00		1.00	51.25	N

BHA # 1				BHA #				DOWNHOLE JARS							
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?	
Bit			0.25												
Motor	Vector	3109-10	7.08												
Float	Anadrill	1316580	0.77												
UBHO	Anadrill	1416562	0.83												
Monel	Anadrill	1916539	9.21												
X/Over	Anadrill	DKR-460	0.62												
13DC's	Akita		120.50												
X/Over	Akita		0.92												

BHA # 1				BHA #				DOWNHOLE JARS							
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?	
Bit			0.25												
Motor	Vector	3109-10	7.08												
Float	Anadrill	1316580	0.77												
UBHO	Anadrill	1416562	0.83												
Monel	Anadrill	1916539	9.21												
X/Over	Anadrill	DKR-460	0.62												
13DC's	Akita		120.50												
X/Over	Akita		0.92												

TOTAL LENGTH		139.96	TOTAL LENGTH			TARGET TVD @ TIME		
PERSONNEL				A/E NUMBER		CONTRACT NUMBER		
DD: Eric Erickson		MWD: Barry Timmerman		5000047				
DD:		MWD:		FIELD CELL #		CO. MAN'S CELL #		
DD:		MWD:		SIGNATURE OF COMPANY'S REPRESENTATIVE				
DD:		MWD:						

750

210

220

550

7500

5015

7315

Schlumberger

JOB NUMBER 40004630	DATE TUE MARCH, 14, 2000	COMPANY Alberta Energy Corp	WELL NAME AEC Rennalssance Carcajou D-007
COMPANY REPRESENTATIVE Lynn Sandquist	RIG NAME Akita #14	LOCATION 200/ D-007-A/ 104-N-18/ 00	

DRILLING RECORD				TIME RECORD		COST ESTIMATE	
BIT NUMBER	1	TIME	FROM	TO	DESCRIPTION	LIST SUPPLIER (If not Anadrill)	COST
BIT SIZE	222.0	0.75	0:45	1:00	Drill Out Cement	SUPERVISION 1 @ 700.00	\$ 700.00
BIT TYPE	PDC	0.25	0:45	1:00	Leak off Test	FLAT RATE 210	
JETS (mm)		0.25	1:00	1:15	BOP Drill	MOTOR HRS 22.75 @ 200.00	\$ 4,550.00
DEPTH IN	172 m	0.25	1:15	1:30	Rig Service	MOTOR DAILY	
DEPTH OUT		5.25	1:30	8:45	Directional Drill	MOTOR STBY	
METERS	337 m	1.25	8:45	8:00	Accumulated Surveys	JARS	
HOURS	18.75	2.75	8:00	10:45	Directional Drill	S. SHOT KIT 125.00	
ROP (m/hr)	18.0	0.25	10:45	11:00	Rig Service	FLOAT SUB 1.00 @ 25.00	\$ 25.00
RPM	50/100	4.00	11:00	15:00	Directional Drill	MONEL 1.00 @ 125.00	\$ 125.00
WOB	3/4	1.00	15:00	18:00	Accumulated Surveys	X/Over 1.00 @ 25.00	\$ 25.00
PP ON	6500	4.00	18:00	20:00	Directional Drill	STABILIZERS	
PP OFF	4500	0.25	20:00	20:15	Rig Service	T8 REAMER	
STG WT	24	2.75	20:15	23:00	Directional Drill	MWD SUPER 1.00 @ 500.00	\$ 500.00
PU WT	24	1.00	23:00	0:00	Accumulated Surveys	MWD SYSTEMS 1.00 @ 2900.00	\$ 2,900.00
S/O WT	24					GAMMA RAY	
PUMP DATA						GAMMA RAY (STDBY)	
PUMP MAN.	Emsco					CMPT & WELL PLAN	
PUMP MOD.	F-500					EQUIPMENT STANDBY	
Triplex/Duplex	Triplex						
LINER	152mm						
STROKE	181mm						
CU, M/STK	0.0104						
STRKS/Min.	120						
VOLUME	1.25						
MUD REPORT						MILEAGE	
MUD TYPE (Gel,ect.)	Flac					VEH. LIC. #	KM TDY/KM ACC
MUD WEIGHT	1000						
VISCOSITY (sec/L)	28						
WATER LOSS							
pH	9						
SAND							
TEMPERATURE (°C)	24.00	TOTAL					
						KM TODAY	0.75 \$
						KM ACCUM.	
						DAILY TOTAL	\$ 8,825.00
						ACCUMULATED	\$ 15,825.00

DOWNHOLE MOTORS															
RUN	MAKE	SER. NO.	Daily			Run			Well			Total			FAILURE?
			Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	
1	Vector	3109-67198-10	18.75	4.00	22.75	18.75	5.00	23.75	18.75	5.00	23.75	18.75	5.00	24.00	N

BHA #				BHA #				DOWNHOLE JARS							
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?	
Bit	BR	SS66L	0.25												
Motor	Vector	3109-10	7.06												
Float	Anadrill	1316580	0.77												
UBHO	Anadrill	1416582	0.63												
Monel	Anadrill	1916539	9.21												
X/Over	Anadrill	DKR-460	0.62												
13DC's	Akita		120.50												
X/Over	Akita		0.92												

BHA #				BHA #				DOWNHOLE JARS							
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?	
Bit	BR	SS66L	0.25												
Motor	Vector	3109-10	7.06												
Float	Anadrill	1316580	0.77												
UBHO	Anadrill	1416582	0.63												
Monel	Anadrill	1916539	9.21												
X/Over	Anadrill	DKR-460	0.62												
13DC's	Akita		120.50												
X/Over	Akita		0.92												

TOTAL LENGTH		139.98	TOTAL LENGTH			TARGET TVD @ TIME		
PERSONNEL				AFE NUMBER		CONTRACT NUMBER		
DD:	Eric Erickson	MWD:	Barry Timmerman	FIELD CELL #		CO. MAN'S CELL #		
DD:		MWD:		SIGNATURE OF COMPANY'S REPRESENTATIVE				
DD:		MWD:		<i>L. Sandquist</i>				
DD:		MWD:						

750

4777.50

20

20

550

3050

9262.50

16587.50

Schlumberger			
JOB NUMBER 4000630		DATE WED MARCH, 15, 2000	COMPANY Alberta Energy Corp
WELL NAME AEC Renaissance Carcajou D-007		Day 4	
COMPANY REPRESENTATIVE Lynn Sandquist		RIG NAME Akita #14	LOCATION 200/ D-007-A/ 104-N-16/ 00

DRILLING RECORD			TIME RECORD			COST ESTIMATE		
BIT NUMBER	1		TIME	FROM	TO	DESCRIPTION	LIST SUPPLIER (if not Anadrill)	COST
BIT SIZE	222.0		0.25		0:15	Rig Service	SUPERVISION 1 @ 700.00	\$ 700.00
BIT TYPE	PDC		7.00	0:15	7:15	Directional Drill	FLAT RATE 210	
JETS (mm)			0.75	7:15	8:00	Accumulated Surveys	MOTOR HRS 14.25 @ 200.00	\$ 2,850.00
DEPTH IN	172 m		0.25	8:00	8:15	Rig Service	MOTOR DAILY	
DEPTH OUT	626 m		2.75	8:15	11:00	Directional Drill	MOTOR STBY	
METERS	454 m		0.50	11:00	11:30	Circulate	JARS	
HOURS	30.75		1.25	11:30	12:45	Directional Drill	S. SHOT KIT 125.00	
ROP (m/hr)	14.8		0.50	12:45	13:15	Circulate	FLOAT SUB 1.00 @ 25.00	\$ 25.00
RPM	50/100		2.75	13:15	16:00	Wiper Trip	MONEL 1.00 @ 125.00	\$ 125.00
WOB	3/4		1.00	16:00	17:00	Directional Drill	X/Over 1.00 @ 25.00	\$ 25.00
PP ON	6500		0.50	17:00	17:30	Circulate	STABILIZERS	
PP OFF	4500		2.25	17:30	19:45	POOH	TB REAMER	
STG WT	24		0.75	19:45	20:30	Lay out Directional tools	MWD SUPER. 1.00 @ 500.00	\$ 500.00
PU WT	24		0.50	20:30	21:00	Rig to Run Casing	MWD SYSTEMS 1.00 @ 2900.00	\$ 2,900.00
S/O WT	24		3.00	21:00	0:00	Run Casing	GAMMA RAY	
PUMP DATA								
PUMP MAN.	Emasco					GAMMA RAY (STDBY)		
PUMP MOD.	F-500					CMPTR & WELL PLAN		
Triplex/Duplex	Triplex					EQUIPMENT STANDBY		
LINER	152mm							
STROKE	191mm					SUBSISTENCE (Camp?)		
CU. M/STK	0.0104					Camp		
STKRS/Min.	120					MILEAGE		
VOLUME	1.25					VEN. LIC. # KM TDYKM ACC		
MUD REPORT								
MUD TYPE (Gel,ect.)	Floc							
MUD WEIGHT	1000							
VISCOSITY (sec/L)	28							
WATER LOSS						KM TODAY 0.75		
pH	9					KM ACCUM.		
SAND						DAILY TOTAL \$ 7,125.00		
TEMPERATURE (°C)			24.00 TOTAL			ACCUMULATED \$ 2,850.00		

DOWNHOLE MOTORS														
RUN	MAKE	SER. NO.	Daily			Run			Well			Total		
			Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C
1	Vector	3109-67198-10	12.00	2.25	14.25	30.75	7.25	38.00	30.75	7.25	38.00	30.75	7.25	88.25

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											
UBHO	Anadrill	1416562	0.63											
Monel	Anadrill	1916539	9.21											
X/Over	Anadrill	DKR-460	0.62											
13DC's	Akita		120.50											
X/Over	Akita		0.92											

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											
UBHO	Anadrill	1416562	0.63											
Monel	Anadrill	1916539	9.21											
X/Over	Anadrill	DKR-460	0.62											
13DC's	Akita		120.50											
X/Over	Akita		0.92											

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											
UBHO	Anadrill	1416562	0.63											
Monel	Anadrill	1916539	9.21											
X/Over	Anadrill	DKR-460	0.62											
13DC's	Akita		120.50											
X/Over	Akita		0.92											

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											
UBHO	Anadrill	1416562	0.63											
Monel	Anadrill	1916539	9.21											
X/Over	Anadrill	DKR-460	0.62											
13DC's	Akita		120.50											
X/Over	Akita		0.92											

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											
UBHO	Anadrill	1416562	0.63											
Monel	Anadrill	1916539	9.21											
X/Over	Anadrill	DKR-460	0.62											
13DC's	Akita		120.50											
X/Over	Akita		0.92											

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											
UBHO	Anadrill	1416562	0.63											
Monel	Anadrill	1916539	9.21											
X/Over	Anadrill	DKR-460	0.62											
13DC's	Akita		120.50											
X/Over	Akita		0.92											

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											
UBHO	Anadrill	1416562	0.63											
Monel	Anadrill	1916539	9.21											
X/Over	Anadrill	DKR-460	0.62											
13DC's	Akita		120.50											
X/Over	Akita		0.92											

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											
UBHO	Anadrill	1416562	0.63											
Monel	Anadrill	1916539	9.21											
X/Over	Anadrill	DKR-460	0.62											
13DC's	Akita		120.50											
X/Over	Akita		0.92											

BHA				DHA				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	BR	SS66L	0.25											
Motor	Vector	3109-10	7.08											
Float	Anadrill	1316580	0.77											

Schlumberger			
JOB NUMBER 40004630	DATE THUR MARCH, 16, 2000	COMPANY Alberta Energy Corp	WELL NAME AEC Renaissance Carcajou D-007
COMPANY REPRESENTATIVE Lynn Sandquist		RIG NAME Akita #14	LOCATION 200/ D-007-A/ 104-N-16/ 00

DRILLING RECORD				TIME RECORD		COST ESTIMATE	
BIT NUMBER	2	TIME	FROM	TO	DESCRIPTION	LIST SUPPLIER (if not Anadrill)	COST
BIT SIZE	158.0	0.75		0:45	Run Casing	SUPERVISION 1 @ 700.00	\$ 700.00
BIT TYPE	PDC	0.75	0:45	1:30	Circulate	FLAT RATE 2.0	
JETS (mm)	3x22	1.50	1:30	3:00	Cement Casing	MOTOR HRS 3.75 @ 200.00	\$ 750.00
DEPTH IN	628 m	4.00	3:00	7:00	W O C	MOTOR DAILY	
DEPTH OUT	642 m	0.25	7:00	7:15	Back off Landing Joint	MOTOR STBY	
METERS	16 m	0.75	7:15	8:00	Pick up Directional Tools	JARS	
HOURS	3.25	1.50	8:00	9:30	RIH	S. SHOT KIT 125.00	
ROP (m/hr)	4.9	1.50	9:30	11:00	W O C	FLOAT SUB 1.00 @ 25.00	\$ 25.00
RPM	50/100	0.25	11:00	11:15	Pressure Test	MONEL 1.00 @ 125.00	\$ 125.00
WOB	2/3	3.75	11:15	15:00	W O C	X/Over 1.00 @ 25.00	\$ 25.00
PP ON	8000	0.50	15:00	15:30	Drillout Shoe	STABILIZERS	
PP OFF	7000	0.50	15:30	16:00	Directional Drill 628 m to 634 m	TB REAMER	
STG WT	20	0.25	16:00	18:15	Rig Service	MWD SUPER 1.00 @ 500.00	\$ 500.00
P/U WT	20	2.75	18:15	19:00	Directional Drill 634 m to 642 m	MWD SYSTEMS 1.00 @ 2900.00	\$ 2,900.00
S/O WT	20	2.25	19:00	21:15	POOH	GAMMA RAY	
PUMP DATA		1.50	21:15	22:45	Handle BHA	GAMMA RAY (STORY)	
PUMP MAN.	Emasco	0.75	22:45	23:30	Pick up 10 Drill Collars	CMFTR & WELL PLAN	
PUMP MOD.	F-500	0.50	23:30	0:00	RIH	EQUIPMENT STANDBY	
Triplex/Duplex	Triplex						
LINER	152mm						
STROKE	191mm						
CU. M/STK	0.0104						
STRKS/Min.	90						
VOLUME	0.94						
MUD REPORT							
MUD TYPE (Gel.ec/L)	Floc						
MUD WEIGHT	1000						
VISCOSITY (sec/L)	28						
WATER LOSS							
pH	9						
SAND							
TEMPERATURE (°C)		24.00	TOTAL				

DOWNHOLE MOTORS															
RUN	MAKE	SER. NO.	Daily			Run			Well			Total			FAILURE?
			Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	
2	Anadrill	475-14-1028	3.25	0.50	3.75	3.25	0.50	3.75	3.25	0.50	3.75	3.25	0.50	56.00	N

BHA # 7				BHA #				DOWNHOLE JARS						
ITEM	VENDOR	SERIAL#	LENGTH	ITEM	VENDOR	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	DPI	R-482-GN	0.25											
Motor	Anadrill	475-14-1028	5.51											
Float	Anadrill	1312104	0.89											
UBHO	Anadrill	1412193	0.66											
Monel	Anadrill	2112111	9.47											
Monel	Anadrill	463000035	9.48											
10DC's	Akita		189.74											
X/Over	Akita		0.47											

TOTAL LENGTH		218.46	TOTAL LENGTH		TARGET TVD @ TIME	
PERSONNEL			AFE NUMBER		CONTRACT NUMBER	
DD:	Eric Erickson	MWD:	Barry Timmerman	FIELD CELL #		CO. MAN'S CELL #
DD:		MWD:		SIGNATURE OF COMPANY'S REPRESENTATIVE		
DD:		MWD:				
DD:		MWD:				

L. Sandquist

750

787.50

28

30

550

3000

5271.50

29,337.50

Schlumberger

JOB NUMBER 40004630	DATE FRI MARCH, 17, 2000	COMPANY Alberta Energy Corp	WELL NAME AEC Renaissance Carcajou D-007
COMPANY REPRESENTATIVE Lynn Sandquist		R/C NAME Akita #14	LOCATION 200/ D-007-A/ 104-N-16/ 00

DRILLING RECORD				TIME RECORD		COST ESTIMATE	
BIT NUMBER	3	TIME	FROM	TO	DESCRIPTION	LIST SUPPLIER (if not Anadrill)	COST
BIT SIZE	156.0	1.00		1:00	RIH	SUPERVISION 1 @ 700.00	\$ 700.00
BIT TYPE	XL20T	0.25	1:00	1:15	Rig Service	FLAT RATE	
JETS (mm)	OPEN	8.25	1:15	7:30	Directional Drill	MOTOR HRS 22.25 @ 208.00	\$ 4,495.00
DEPTH IN	642 m	0.50	7:30	8:00	Accumulated Surveys	MOTOR DAILY	
DEPTH OUT		0.25	8:00	8:15	Rig Service	MOTOR STBY	
METERS	137 m	7.25	8:15	15:30	Directional Drill	JARS	
HOURS	20.75	0.50	15:30	18:00	Accumulated Surveys	S. SHOT KIT 125.00	
ROP (m/hr)	6.6	1.00	16:00	17:00	Directional Drill	FLOAT SUB 1.00 @ 25.00	\$ 25.00
RPM	50/90	0.25	17:00	17:15	Rig Service	MONEL 2.00 @ 125.00	\$ 250.00
WOB	8/10	8.25	17:15	23:30	Directional Drill	X/Over 25.00	
PP ON	8500	0.50	23:30	0:00	Accumulated Surveys	STABILIZERS	
PP OFF	7000					TB REAMER	
STG WT	28					MWD SUPER. 1.00 @ 500.00	\$ 500.00
PAU WT	28					MWD SYSTEMS 1.00 @ 2800.00	\$ 2,800.00
S/O WT	28					GAMMA RAY	
PUMP DATA							
PUMP MAN.	Emsoo					GAMMA RAY (STDBY)	
PUMP MOD.	F-500					CMPT & WELL PLAN	
Triplex/Duplex	Triplex					EQUIPMENT STANDBY	
LINER	152mm						
STROKE	191mm					SUBSISTENCE (Camp?)	
CU. M./STRK	0.0104					camp	
STRKS/Min.	90					VER. LIC. #	
VOLUME	0.94					KM TDYKM ACC	
MUD REPORT							
MUD TYPE (Gel, ecl.)	Gel					KM TODAY 0.75	\$
MUD WEIGHT	1080					KM ACCUM.	
VISCOSITY (sec/L)	43					DAILY TOTAL	\$ 8,250.00
WATER LOSS	10					ACCUMULATED	\$ 36,800.00
pH	8.5						
SAND							
TEMPERATURE (°C)		24.00	TOTAL				

DOWNHOLE MOTORS															
RUN	MAKE	SER. NO.	Daily			Run			Well			Total			FAILURE?
			Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	Drill	Circ	D+C	
3	Anadrill	475-14-1028	20.75	1.50	22.25	20.75	1.50	22.25	24.00	2.00	26.00	24.00	2.00	26.00	N

GHA #				BHA #				DOWNHOLE JARS						
ITEM	VENDER	SERIAL#	LENGTH	ITEM	VENDER	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D +C	FAILURE?
Bit	Smith	LX3385	0.25											
Motor	Anadrill	475-14-1028	5.51											
Float	Anadrill	1312104	0.88											
UBHO	Anadrill	1412193	0.68											
Monel	Anadrill	2112111	9.47											
Monel	Anadrill	463000035	9.48											
10DC's	Akita		189.74											
X/Over	Akita		0.47											

TOTAL LENGTH 216.40		TOTAL LENGTH		TARGET TVD @ TIME	
PERSONNEL				AGE NUMBER 5000047-8218-320	
DD: Eric Erickson	MWD: Barry Timmerman	FIELD CELL #		CONTRACT NUMBER	
DD:	MWD:	SIGNATURE OF COMPANY'S REPRESENTATIVE		CO. MAN'S CELL #	
DD:	MWD:	<i>L. Sandquist</i>			
DD:	MWD:				

750

4672.50

210

550

3000.

9252.50

38580.

Schlumberger			
JOB NUMBER 40004830	DATE SAT MARCH, 10, 2000	COMPANY Alberta Energy Corp	WELL NAME AEC Renaissance Carcajou D-007
COMPANY REPRESENTATIVE Allan Anger		RIG NAME Akita #14	LOCATION 200/ D-007-A/ 104-N-18/ 00

DRILLING RECORD			TIME RECORD			COST ESTIMATE		
BIT NUMBER			TIME	FROM	TO	DESCRIPTION	LIST SUPPLIER (if not Anadriill)	COST
BIT SIZE	158.0		0.25		0:15	Rig Service	SUPERVISION 1 @ 700.00	\$ 700.00
BIT TYPE	XR20T		7.50	0:15	7:45	Directional Drill	FLAT RATE	
JETS (mm)	OPEN		0.25	7:45	8:00	Accumulated Surveys	MOTOR HRS 14.50 @ 200.00	\$ 2,900.00
DEPTH IN	642 m		0.25	8:00	8:15	Rig Service	MOTOR DAILY	
DEPTH OUT	860 m		5.25	8:15	13:30	Directional Drill	MOTOR STBY	
METERS	234 m		0.25	13:30	13:45	Accumulated Surveys	JARS	
HOURS	28.25		0.50	13:45	14:15	Circulate	S. SHOT KIT 125.00	
ROP (m/hr)	8.3		1.50	14:15	15:45	Wiper Trip	FLOAT SUB 1.00 @ 25.00	\$ 25.00
RPM	50/90		0.75	15:45	18:30	Circulate	MONEL 2.00 @ 125.00	\$ 250.00
WOB	8/10		3.50	18:30	20:00	POOH To Log	X/Over 25.00	
PP ON	9500		0.75	20:00	20:45	Lay out Directional Tools	STABILIZERS	
PP OFF	7400		3.25	20:45	0:00	Run Casing	TB REAMER	
STG WT	27						MWD SUPER 1.00 @ 500.00	\$ 500.00
P/U WT	27						MWD SYSTEMS 1.00 @ 2900.00	\$ 2,900.00
S/O WT	27						GAMMA RAY	

PUMP DATA								
PUMP MAN.	Emsco							
PUMP MOD.	F-500							
Triplex/Duplex	Triplex							
LINER	152mm							
STROKE	191mm							
CU. M/STK	0.0104							
STKRS/Min.	20							
VOLUME	0.94							

MUD REPORT								
MUD TYPE (Gel, ect.)	Gel							
MUD WEIGHT	1080							
VISCOSITY (sec/L)	45							
WATER LOSS	9							
pH	9							
SAND								
TEMPERATURE (°C)	24.00	TOTAL						

DOWNHOLE MOTORS																
RUN	MAKE	SER. NO.	Daily			Run			Well			Total			FAILURE? (Yes / No)	
			Drill	Circ	D +C	Drill	Circ	D +C	Drill	Circ	D +C	Drill	Circ	D +C		
3	Anadriill	475-14-1028	12.75	1.75	14.50	33.50	3.25	36.75	36.75	3.75	40.50	36.75	3.75	92.75	N	

SHA #				SHA #				DOWNHOLE JARS						
ITEM	VENDER	SERIAL#	LENGTH	ITEM	VENDER	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?
Bit	Smith	LX3365	0.25											
Motor	Anadrill	475-14-1028	5.51											
Float	Anadrill	1312104	0.88											
UBHO	Anadrill	1412193	0.66											
Monel	Anadrill	2112111	9.47					RUN	COMP.	HRS to y	HRS to		COMMENTS	FAILURE?
Monel	Anadrill	483000035	9.48					3	SBA323	20.00	124.00			N
20DC's	Akita		189.74					3	SEA158	20.00	124.00			N
X/Over	Akita		0.47					3	SBA4544	20.00	124.00			N

SHA #				SHA #				DOWNHOLE JARS							
ITEM	VENDER	SERIAL#	LENGTH	ITEM	VENDER	SERIAL#	LENGTH	RUN	MAKE	SER. #	Drill	Circ	D+C	FAILURE?	
Bit	Smith	LX3365	0.25												
Motor	Anadriill	475-14-1028	5.51												
Float	Anadriill	1312104	0.88												
UBHO	Anadriill	1412193	0.66												
Monel	Anadriill	2112111	9.47												
Monel	Anadriill	483000035	9.48												
20DC's	Akita		189.74												
X/Over	Akita		0.47												

TOTAL LENGTH				TOTAL LENGTH				TARGET TVD @ TIME							
DD:	Eric Erickson	MWD:	Barry Timmerman	AFE NUMBER	5000047-9210-320	CONTRACT NUMBER									
DD:		MWD:		FIELD CELL #		CO. MAN'S CELL #									
DD:		MWD:		SIGNATURE OF COMPANY'S REPRESENTATIVE											
DD:		MWD:													

Allan Anger

