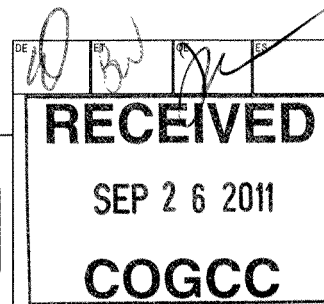


State of Color:  
Oil and Gas Conservation (

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



## SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 100185	4. Contact Name: Jevin Croteau	Complete the Attachment Checklist OP OGCC	
2. Name of Operator: Encana Oil & Gas (USA) Inc.	Phone: 720-876-5339		
3. Address: 370 17th Street, Suite 1700 City: Denver State: CO Zip: 80202	Fax: 720-876-6339		
5. API Number 05- 077-10079-00	OGCC Facility ID Number	Survey Plat	X
6. Well/Facility Name: Hittle Cattle Co	7. Well/Facility Number 1-4H2 (PL1NW)	Directional Survey	X
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NWNW of Sec. 1, T10S, R96W, 6th PM		Surface Eqpm Diagram	
9. County: Mesa	10. Field Name: Plateau	Technical Info Page	X
11. Federal, Indian or State Lease Number: COC-64816		Other	

## General Notice

<input checked="" type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)																	
Change of Surface Footage from Exterior Section Lines:	<table><tr><td>305</td><td>FNL</td><td>766</td><td>FWL</td></tr><tr><td>341</td><td>FNL</td><td>796</td><td>FWL</td></tr><tr><td>650</td><td>FSL</td><td>735</td><td>FEL</td></tr><tr><td>688</td><td>FSL</td><td>1980</td><td>FWL</td></tr></table>	305	FNL	766	FWL	341	FNL	796	FWL	650	FSL	735	FEL	688	FSL	1980	FWL
305	FNL	766	FWL														
341	FNL	796	FWL														
650	FSL	735	FEL														
688	FSL	1980	FWL														
Change of Surface Footage to Exterior Section Lines:																	
Change of Bottomhole Footage from Exterior Section Lines:																	
Change of Bottomhole Footage to Exterior Section Lines:																	
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	SESW, Sec. 12, T10S, R96W, 6th PM																
Latitude 39.223600	Distance to nearest property line 341'																
Longitude -108.059455	Distance to nearest bldg, public rd, utility or RR 675'																
Ground Elevation 6009'	Distance to nearest lease line 664'																
	Distance to nearest well same formation 950'																
	Is location in a High Density Area (rule 603b)? Yes/No NO																
	Surface owner consultation date: 06/02/09																
attach directional survey																	
GPS DATA:																	
Date of Measurement 02/09/09 PDOP Reading 0 Instrument Operator's Name Ted Taggart																	
<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond																
Formation Formation Code Spacing order number Unit Acreage Unit configuration	Signed surface use agreement attached																
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input checked="" type="checkbox"/> CHANGE WELL NAME																
Effective Date:	From: Hittle Cattle Co 1-4H2 (PL1NW)																
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	To: Hittle Cattle Co 12-14H (PL1NW)																
	Effective Date: 09/23/11																
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS																
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:																
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No																
Date Ready for Inspection:	MIT required if shut in longer than two years. Date of last MIT																
<input type="checkbox"/> SPUD DATE:	<input checked="" type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)																
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK *submit cbl and cement job summaries																	
Method used Cementing tool setting/perf depth Cement volume Cement top Cement bottom Date																	
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.																	
Final reclamation will commence on approximately Final reclamation is completed and site is ready for inspection.																	

## Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done	
Approximate Start Date:	Date Work Completed:	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)		
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input checked="" type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input checked="" type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input checked="" type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other:	for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Jevin Croteau Date: 9/23/11 Email: jevin.croteau@encana.com  
Print Name: Jevin Croteau Title: Regulatory AnalystCOGCC Approved: [Signature] Title: NWA ENGINEER Date: 12/12/11  
CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

RECEIVED  
SEP 26 2011  
COGCC

1. OGCC Operator Number: 100185 API Number: 05-077-10079-00  
2. Name of Operator: Encana Oil & Gas (USA) Inc. OGCC Facility ID #  
3. Well/Facility Name: Hittle Cattle Co Well/Facility Number: 12-14H (PL1NW)  
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW of Sec. 1, T10S, R96W, 6th PM

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Encana Oil & Gas (USA) Inc. plans to change the SHL & BHL of the subject well as described on page 1.

The subject well will be drilled and completed as a horizontal well in the Mancos formation.

The entire wellbore will be within or Plateau Creek (Deep) Unit, COC-74774X.

The casing/cementing program will change:

From:

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top
Conductor	24	20	.25" Wall	40	4	40	0
Surface	12 1/4	9 5/8	72#	1000	725	1000	0
1st	8 3/4	7+5	17#	8189	621	8189	4504
2nd	6 1/8	+9		9	818	9	4
New	9+11	+9	40#	8189	818	8189	4504

To:

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top
Conductor	24	16	65#	40	118	40	0
Surface	14 3/4	10 3/4	40.5#	1505	820	1505	0
1st	9 7/8	7 5/8	26.4#	6700	1030	6700	1011
2nd	6 3/4	5	23.2#	16433	753	16433	6200

RECEIVED

SEP 26 2011

COGCC

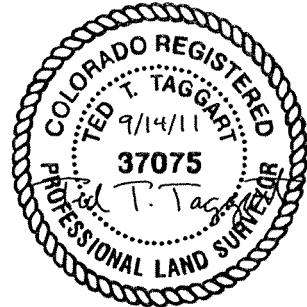
T10S, R96W, 6th P.M.

LEGEND

- SECTION CORNER LOCATED
- SURFACE LOCATION
- BOTTOM HOLE LOCATION
- RECORD LOCATION OF CORNER

CERTIFICATE OF SURVEYOR

I, TED TAGGART OF FRUITA, COLORADO HEREBY CERTIFY THAT THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL SURVEY MADE BY ME OR UNDER MY DIRECTION FOR ENCANA OIL & GAS (USA) INC. AND THAT THIS LOCATION HAS BEEN STAKED ON THE GROUND AS SHOWN HEREON.



HITTLE CATTLE 12-14H (PL1NW) WELL  
(WELLHEAD LOCATION) NAD 83  
LATITUDE = 39.223600° N  
LONGITUDE = 108.059455° W  
(BOTTOM HOLE LOCATION) NAD 83  
LATITUDE = 39.196963° N  
LONGITUDE = 108.056161° W

NOTES

- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO SECTION LINES.
- BASIS OF BEARING: GEODETIC- BASED ON GPS OBSERVATIONS.
- ELEVATIONS BASED ON GPS OBSERVATIONS, NAVD 88 (GEOID 03), POST PROCESSED USING NGS OPUS.
- SEE ADDENDUM TO LEGAL PLAT (SHEET 1d) FOR VISIBLE IMPROVEMENTS WITHIN 400 FEET OF THE PROPOSED OIL & GAS LOCATION.
- CONTROL FOR SURVEY WAS ESTABLISHED USING DIFFERENTIALLY CORRECTED GPS FROM AN OPUS BASED CONTROL NETWORK. WELL LOCATION WAS ESTABLISHED USING NON-GPS CONVENTIONAL METHODS, THEREFORE NO PDOP READING WAS TAKEN.

MAP to ACCOMPANY  
APPLICATION for PERMIT to DRILL  
Encana Oil & Gas (USA) Inc.  
Hittle Cattle 12-14H (PL1NW) Well

NW1/4 NW1/4 (Lot 4), SECTION 1  
T10S, R96W, 6th P.M.

MESA COUNTY, COLORADO

Location Plat

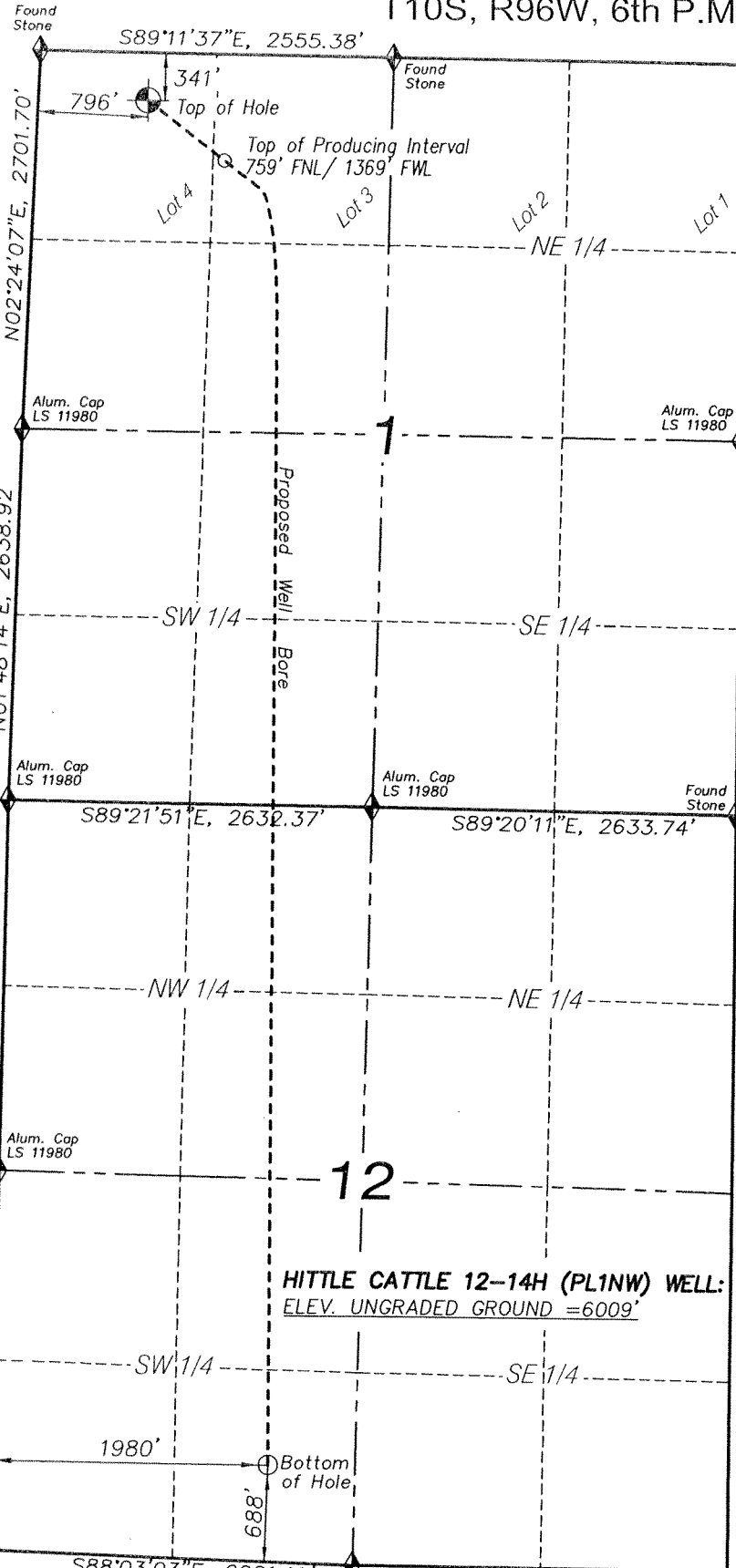
Scale: 1" = 1200'

SHEET

Project No. 09-04-06  
Date Drawn: 9/14/11

Date Surveyed: 2/09/09  
Latest Revision Date:

1c  
OF 10



**WASATCH**  
SURVEYING

906 Main Street  
Evanston, Wyoming 82930  
Phone No. (307) 789-4545



EnCana Oil & Gas (USA) INC.

RECEIVED

Schlumberger

SEP. 26 2011

WELL Hittle Cattle 12-14H			FIELD CO, Mesa Co. (NAD83UTM13)			COGCC 01-10S-96W (PL1NW)		
Magnetic Parameters Model BGM 2011 Dip 65.496° Mag Dec 10.331°			Surface Location Lat N 39 13 34.960 Lon W 108 3 34.638			NAD83 UTM Zone 13N US Feet 4258670.78 NUS 773905.54 EUS Grid Conv: -1.93575901° Scale Fact: 1.00045896		
Macellaneous Sht Hittle Cattle 12-14H Plan RD ors 30-Aug 11			TVD Ref RFB(603 ft above MSL)			Srvy Date August 30, 2011		

Surface Location									
Northing: 14258670.78		Easting: 773905.54							
Target Description			Grid Coord			Local Coord			
Target Name	Shape	Major Axis	N(°)S(°)	E(°)W(°)	TVD	YSec	N(°)S(°)	E(°)W(°)	DLS
Hittle Cattle 12-14H TD	Point	0.00	39.20	108.06	7453.00	9746.86	-9728.04	605.46	
Critical Points									
Critical Point	MD	INCL	AZIM	TVD	YSEC	N(°)S(°)	E(°)W(°)	DLS	
HC 12-14H SHL	0.00	0.00	129.45	0.00	0.00	0.00	0.00		
KOP, Build 1 DLS	500.00	0.00	129.45	500.00	0.00	0.00	0.00	0.00	
Ohio Creek (Top Kmv)	1213.85	7.14	129.45	1212.00	30.29	-28.22	34.29	1.00	
Hold	1509.64	10.10	129.45	1504.43	60.52	-56.37	68.52	1.00	
Williams Fork Fm	1532.57	10.10	129.45	1527.00	63.26	-58.93	71.62	0.00	
Top Gas	3071.40	10.10	129.45	3042.00	247.27	-230.33	279.94	0.00	
Coal Ridge (Paludal)	3695.06	10.10	129.45	3656.00	321.85	-299.79	364.36	0.00	
Rollins Ss (lies Fm)	3978.45	10.10	129.45	3935.00	355.74	-331.36	402.73	0.00	
Cozzette Ss	4268.95	10.10	129.45	4221.00	390.47	-363.72	442.05	0.00	
Concoran Ss	4452.79	10.10	129.45	4402.00	412.46	-384.19	466.94	0.00	
Buck Tongue	5175.99	10.10	129.45	5114.00	498.94	-464.75	564.84	0.00	
Castlegate	5713.31	10.10	129.45	5643.00	563.19	-524.59	637.58	0.00	
Mancoas B	5982.48	10.10	129.45	5908.00	595.37	-554.57	674.02	0.00	
Blue Gate	6041.40	10.10	129.45	5966.00	602.42	-561.14	681.99	0.00	
Prairie Canyon	6343.07	10.10	129.45	6263.00	638.49	-594.74	722.83	0.00	
KOP, Build & Turn 6 DLS	6909.90	10.10	129.45	6821.06	706.27	-657.87	799.56	0.00	
Niobrara Fm	7352.88	33.59	169.53	7231.00	857.12	-805.70	852.76	6.00	
Landing Point	8332.68	91.50	182.00	7665.03	1687.80	-1635.79	888.06	6.00	
Horizontal Target	Infinity			7669.00					
Hittle Cattle 12-14H TD	16432.68	91.50	182.00	7453.00	9746.91	-9728.09	605.47	0.00	

Quality Control  
Date Drawn: September 09, 2011 01:12:25 PM  
Drawn by: Current User  
Checked by:  
Client OK:

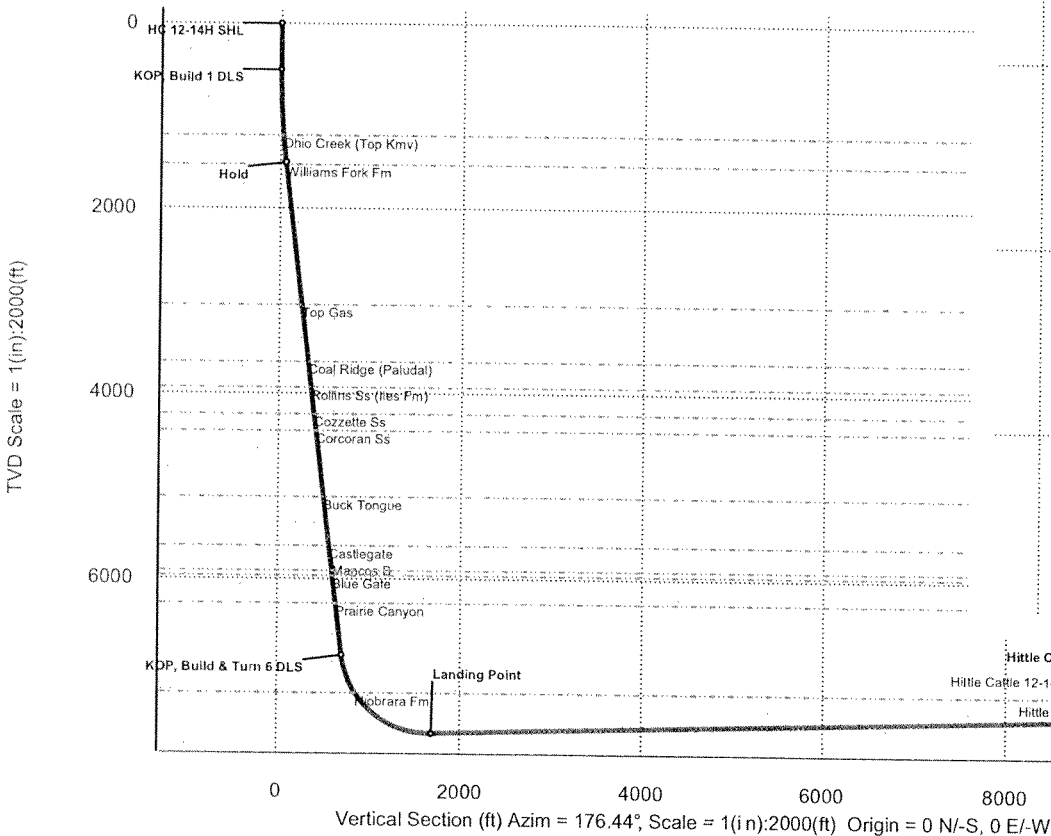
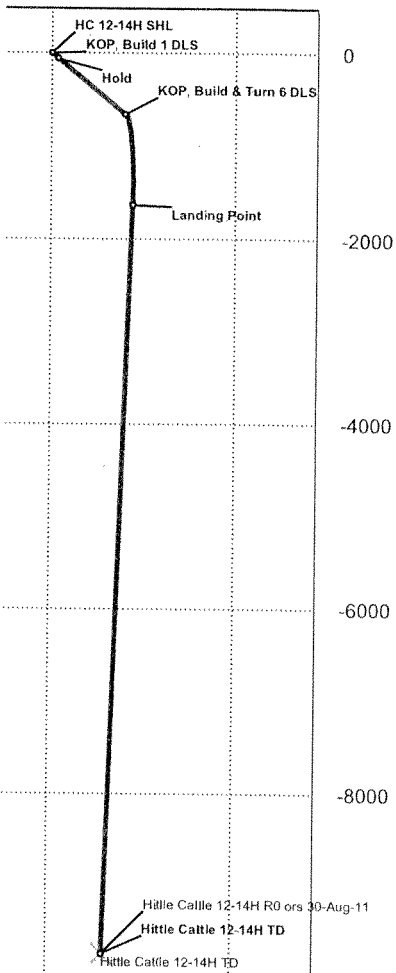
Proposal

Rev0

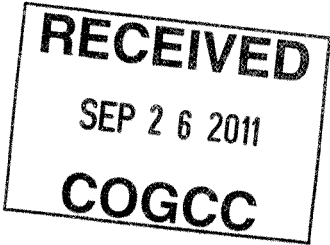


Grid North  
Tot Corr (M->G 12.2665°)  
Mag Dec (10.331°)  
Grid Conv (-1.93575901°)

<<< W Scale = 1(in):2000(ft) E >>>  
0 2000



Hitlle Cattle 12-14H R0 ors 30-Aug-11 Proposal Report  
(Def Plan)



Report Date: August 31, 2011 - 01:49 PM  
Client: EnCana Oil & Gas (USA) Inc.  
Field: CO, Mesa County (NAD 83 UTM 13) EnCana 2010  
Structure / Slot: Encana 01-10S-96W (PL1NW Pad) / Hitlle Cattle 12-14H  
Well: Hitlle Cattle 12-14H  
Borehole: Original Hole  
UWI / API#: Unknown / Unknown  
Survey Name: Hitlle Cattle 12-14H R0 ors 30-Aug-11  
Survey Date: August 30, 2011  
Tort / AHD / DDI / ERD Ratio: 95.463 ° / 10123.959 ft / 6.316 / 1.321  
Coordinate Reference System: NAD83 UTM Zone 13N, US Feet  
Location Lat / Long: N 39° 13' 24.9600", W 108° 3' 34.03802"  
Location Grid N/E Y/X: N 14258670.785 fTUS, E 773905.538 fTUS  
CRS Grid Convergence Angle: -1.93575901 °  
Grid Scale Factor: 1.00045898

Survey / DLS Computation: Minimum Curvature / Lubinski  
Vertical Section Azimuth: 176.439 ° (Grid North)  
Vertical Section Origin: 0.000 ft, 0.000 ft  
TVD Reference Datum: RKB  
TVD Reference Elevation: 6031.000 ft above MSL  
Seabed / Ground Elevation: 6009.000 ft above MSL  
Magnetic Declination: 10.331 °  
Total Field Strength: 52040.304 nT  
Magnetic Dip Angle: 65.496 °  
Declination Date: August 30, 2011  
Magnetic Declination Model: BGGM 2011  
North Reference: Grid North  
Grid Convergence Used: -1.936 °  
Total Corr Mag North->Grid North: 12.266 °  
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-In	0.00	0.00	129.45	0.00	0.00	0.00	0.00	N/A	14258670.78	773905.54	N 39 13 24.96	W 108 3 34.04
Marker MudLine	22.00	0.00	129.45	22.00	0.00	0.00	0.00	0.00	14258670.78	773905.54	N 39 13 24.96	W 108 3 34.04
	100.00	0.00	129.45	100.00	0.00	0.00	0.00	0.00	14258670.78	773905.54	N 39 13 24.96	W 108 3 34.04
	200.00	0.00	129.45	200.00	0.00	0.00	0.00	0.00	14258670.78	773905.54	N 39 13 24.96	W 108 3 34.04
	300.00	0.00	129.45	300.00	0.00	0.00	0.00	0.00	14258670.78	773905.54	N 39 13 24.96	W 108 3 34.04
	400.00	0.00	129.45	400.00	0.00	0.00	0.00	0.00	14258670.78	773905.54	N 39 13 24.96	W 108 3 34.04
	500.00	0.00	129.45	500.00	0.00	0.00	0.00	0.00	14258670.78	773905.54	N 39 13 24.96	W 108 3 34.04
	600.00	1.00	129.45	599.99	0.60	-0.55	0.67	1.00	14258670.23	773906.21	N 39 13 24.95	W 108 3 34.03
	700.00	2.00	129.45	699.96	2.38	-2.22	2.70	1.00	14258668.57	773908.23	N 39 13 24.94	W 108 3 34.00
	800.00	3.00	129.45	799.86	5.36	-4.99	6.06	1.00	14258665.79	773911.60	N 39 13 24.91	W 108 3 33.96
	900.00	4.00	129.45	899.68	9.52	-8.87	10.78	1.00	14258661.91	773916.32	N 39 13 24.88	W 108 3 33.90
KOP	1000.00	5.00	129.45	999.37	14.87	-13.85	16.84	1.00	14258656.93	773922.38	N 39 13 24.83	W 108 3 33.82
	1100.00	6.00	129.45	1098.90	21.41	-19.94	24.24	1.00	14258650.83	773929.79	N 39 13 24.77	W 108 3 33.72
	1200.00	7.00	129.45	1198.26	29.13	-27.13	32.98	1.00	14258643.64	773938.53	N 39 13 24.70	W 108 3 33.61
	1300.00	8.00	129.45	1297.40	38.03	-35.43	43.06	1.00	14258635.34	773948.62	N 39 13 24.62	W 108 3 33.48
	1400.00	9.00	129.45	1396.30	48.12	-44.82	54.47	1.00	14258625.95	773960.03	N 39 13 24.54	W 108 3 33.33
	1509.64	10.10	129.45	1494.93	59.37	-55.31	67.22	1.00	14258615.45	773972.79	N 39 13 24.44	W 108 3 33.16
	1600.00	10.10	129.45	1504.43	60.52	-56.37	68.52	1.00	14258614.38	773974.09	N 39 13 24.43	W 108 3 33.14
	1700.00	10.10	129.45	1593.38	71.33	-66.44	80.75	0.00	14258604.32	773986.32	N 39 13 24.33	W 108 3 32.98
	1800.00	10.10	129.45	1691.84	83.28	-77.58	94.29	0.00	14258593.17	773999.87	N 39 13 24.23	W 108 3 32.81
	1900.00	10.10	129.45	1888.74	107.20	-99.85	121.36	0.00	14258582.03	774013.41	N 39 13 24.12	W 108 3 32.63
EOC #1 (3D-S)	2000.00	10.10	129.45	1987.19	119.16	-110.99	134.90	0.00	14258570.89	774026.95	N 39 13 24.01	W 108 3 32.45
	2100.00	10.10	129.45	2085.64	131.12	-122.13	148.43	0.00	14258560.74	774040.50	N 39 13 23.91	W 108 3 32.28
	2200.00	10.10	129.45	2184.09	143.07	-133.27	161.97	0.00	14258554.60	774054.04	N 39 13 23.80	W 108 3 32.10
	2300.00	10.10	129.45	2282.54	155.03	-144.41	175.51	0.00	14258548.31	774067.58	N 39 13 23.70	W 108 3 31.92
	2400.00	10.10	129.45	2380.99	166.99	-155.55	189.05	0.00	14258542.16	774081.13	N 39 13 23.59	W 108 3 31.75
	2500.00	10.10	129.45	2479.45	178.95	-166.68	202.58	0.00	14258535.99	774094.67	N 39 13 23.49	W 108 3 31.57
	2600.00	10.10	129.45	2577.90	190.90	-177.82	216.12	0.00	14258529.82	774108.21	N 39 13 23.38	W 108 3 31.39
	2700.00	10.10	129.45	2676.35	202.86	-188.96	229.66	0.00	14258523.65	774121.76	N 39 13 23.28	W 108 3 31.22
	2800.00	10.10	129.45	2774.80	214.82	-200.10	243.20	0.00	14258517.48	774135.30	N 39 13 23.17	W 108 3 31.04
	2900.00	10.10	129.45	2873.25	226.78	-211.24	256.73	0.00	14258511.31	774148.84	N 39 13 23.06	W 108 3 30.86
KOP	3000.00	10.10	129.45	2971.70	238.74	-222.38	270.27	0.00	14258505.14	774162.39	N 39 13 22.96	W 108 3 30.69
	3100.00	10.10	129.45	3070.15	250.69	-233.51	283.81	0.00	14258498.97	774175.93	N 39 13 22.85	W 108 3 30.51
	3200.00	10.10	129.45	3168.61	262.65	-244.65	297.34	0.00	14258492.80	774189.47	N 39 13 22.75	W 108 3 30.33
	3300.00	10.10	129.45	3267.06	274.61	-255.79	310.88	0.00	14258486.63	774203.02	N 39 13 22.64	W 108 3 30.16
	3400.00	10.10	129.45	3365.51	286.57	-266.93	324.42	0.00	14258480.46	774216.56	N 39 13 22.54	W 108 3 29.98
	3500.00	10.10	129.45	3463.96	298.52	-278.07	337.96	0.00	14258474.29	774230.11	N 39 13 22.43	W 108 3 29.80
	3600.00	10.10	129.45	3562.41	310.48	-289.21	351.49	0.00	14258468.12	774243.65	N 39 13 22.33	W 108 3 29.63
	3700.00	10.10	129.45	3660.86	322.44	-300.34	365.03	0.00	14258461.95	774257.19	N 39 13 22.22	W 108 3 29.45
	3800.00	10.10	129.45	3759.31	334.40	-311.48	378.57	0.00	14258455.78	774270.74	N 39 13 22.12	W 108 3 29.27
	3900.00	10.10	129.45	3857.77	346.35	-322.62	392.11	0.00	14258449.61	774284.28	N 39 13 22.01	W 108 3 29.10
KOP	4000.00	10.10	129.45	3956.22	358.31	-333.76	405.64	0.00	14258443.44	774297.82	N 39 13 21.90	W 108 3 28.92
	4100.00	10.10	129.45	4054.67	370.27	-344.90	419.18	0.00	14258437.27	774311.37	N 39 13 21.80	W 108 3 28.74
	4200.00	10.10	129.45	4153.12	382.23	-356.04	432.72	0.00	14258431.10	774324.91	N 39 13 21.69	W 108 3 28.57
	4300.00	10.10	129.45	4251.57	394.19	-367.17	446.25	0.00	14258424.93	774338.45	N 39 13 21.59	W 108 3 28.39
	4400.00	10.10	129.45	4350.02	406.14	-378.31	459.79	0.00	14258418.76	774352.00	N 39 13 21.48	W 108 3 28.21
	4500.00	10.10	129.45	4448.47	418.10	-389.45	473.33	0.00	14258412.59	774365.54	N 39 13 21.38	W 108 3 28.04
	4600.00	10.10	129.45	4546.93	430.06	-400.59	486.87	0.00	14258406.42	774379.08	N 39 13 21.27	W 108 3 27.86
	4700.00	10.10	129.45	4645.38	442.02	-411.73	500.40	0.00	14258400.25	774392.63	N 39 13 21.17	W 108 3 27.68
	4800.00	10.10	129.45	4743.83	453.97	-422.87	513.94	0.00	14258394.08	774406.17	N 39 13 21.06	W 108 3 27.51
	4900.00	10.10	129.45	4842.28	465.93	-434.00	527.48	0.00	14258387.91	774419.71	N 39 13 20.95	W 108 3 27.33
KOP	5000.00	10.10	129.45	4940.73	477.89	-445.14	541.02	0.00	14258381.74	774433.26	N 39 13 20.85	W 108 3 27.15
	5100.00	10.10	129.45	5039.18	489.85	-456.28	554.55	0.00	14258375.57	774446.80	N 39 13 20.74	W 108 3 26.98
	5200.00	10.10	129.45	5137.63	501.81	-467.42	568.09	0.00	14258369.40	774460.34	N 39 13 20.64	W 108 3 26.80
	5300.00	10.10	129.45	5236.09	513.76	-478.56	581.63	0.00	14258363.23	774473.89	N 39 13 20.53	W 108 3 26.62
	5400.00	10.10	129.45	5334.54	525.72	-489.70	595.16	0.00	14258357.06	774487.43	N 39 13 20.43	W 108 3 26.45
	5500.00	10.10	129.45	5432.99	537.68	-500.83	608.70	0.00	14258350.89	774500.97	N 39 13 20.32	W 108 3 26.27
	5600.00	10.10	129.45	5531.44	549.64	-511.97	622.24	0.00	14258344.72	774514.52	N 39 13 20.22	W 108 3 26.09
	5700.00	10.10	129.45	5629.89	561.59	-523.11	635.78	0.00	14258338.55	774528.06	N 39 13 20.11	W 108 3 25.92
	5800.00	10.10	129.45	5728.34	573.55	-534.25	649.31	0.00	14258332.38	774541.60	N 39 13 20.00	W 108 3 25.74
	5900.00	10.10	129.45	5826.79	585.51	-545.39	662.85	0.00	14258326.21	774555.15	N 39 13 19.90	W 108 3 25.56
KOP	6000.00	10.10	129.45	5925.25	597.47	-556.53	676.39	0.00	14258320.04	774568.69	N 39 13 19.79	W 108 3 25.39
	6100.00	10.10	129.45	6023.70	609.43	-567.66	689.93	0.00	14258313.87	774582.23	N 39 13 19.69	W 108 3 25.21
	6200.00	10.10	129.45	6122.15	621.38	-578.80	703.46	0.00	14258307.70	774595.78	N 39 13 19.58	W 108 3 25.03
	6300.00	10.10	129.45	6220.60	633.34	-589.94	717.00	0.00	14258301.53	774609.32	N 39 13 19.48	W 108 3 24.86
	6400.00	10.10	129.45	6319.05	645.30	-601.08	730.54	0.00	14258295.36	774622.87	N 39 13 19.37	W 108 3 24.68
	6500.00	10.10	129.45	6417.50	657.26	-612.22	744.07	0.00	14258289.19	774636.41	N 39 13 19.27	W 108 3 24.50
	6600.00	10.10	129.45	6515.95	669.21	-623.36	757.61	0.00	14258283.02	774649.95	N 39 13 19.16	W 108 3 24.33
	6700.00	10.10	129.45	6614.41	681.17	-634.49	771.15	0.00	14258276.85	774663.50	N 39 13 19.06	W 108 3 24.15
	6800.00	10.10	129.45	6712.86	693.13	-645.63	784.69	0.00	14258270.68	774677.04	N 39 13 18.95	W 108 3 23.97
	6900.00	10.10	129.45	6811.31	705.09	-656.77	798.22	0.00	14258264.51	774690.58	N 39 13 18.84	W 108 3 23.80
KOP #2	6909.90	10.10	129.45	6821.06	706.27	-657.87	799.56	0.00	14258258.34	774704.13	N 39 13 18.74	W 108 3 23.62
	7000.00	14.04	147.46	6909.18	721.23	-672.11	811.55	6.00	14258252.17	774717.65	N 39 13 18.73	W 108 3 23.60
	7100.00	19.25	157.98	7004.98	747							

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
EOC #2	7800.00	59.88	177.10	7534.98	1179.18	-1126.34	885.62	6.00	14257543.93	774791.57	N 39 13 14.13	W 108 3 22 31
	7900.00	65.81	178.16	7580.60	1268.10	-1215.20	889.28	6.00	14257455.03	774795.23	N 39 13 13.25	W 108 3 22 22
	8000.00	71.74	179.12	7616.78	1361.20	-1308.35	891.48	6.00	14257361.84	774797.42	N 39 13 12.33	W 108 3 22 16
	8100.00	77.68	180.02	7643.14	1457.47	-1404.76	892.18	6.00	14257265.38	774798.13	N 39 13 11.38	W 108 3 22 11
	8200.00	83.62	180.89	7659.39	1555.85	-1503.39	891.40	6.00	14257166.71	774797.34	N 39 13 10.41	W 108 3 22 07
	8300.00	89.56	181.73	7665.34	1655.27	-1603.14	889.12	6.00	14257066.92	774795.06	N 39 13 9.42	W 108 3 22 06
	8332.68	91.50	182.00	7665.03	1687.80	-1635.79	888.06	6.00	14257034.24	774794.00	N 39 13 9.10	W 108 3 22 06
	8400.00	91.50	182.00	7663.27	1754.78	-1703.05	885.71	0.00	14256966.95	774791.65	N 39 13 8.43	W 108 3 22 06
	8500.00	91.50	182.00	7660.65	1854.28	-1802.96	882.22	0.00	14256867.00	774788.16	N 39 13 7.44	W 108 3 22 06
	8600.00	91.50	182.00	7658.04	1953.77	-1902.86	878.73	0.00	14256767.05	774784.67	N 39 13 6.46	W 108 3 22 06
	8700.00	91.50	182.00	7655.42	2053.27	-2002.77	875.24	0.00	14256667.10	774781.18	N 39 13 5.47	W 108 3 22 06
	8800.00	91.50	182.00	7652.80	2152.76	-2102.67	871.75	0.00	14256567.15	774777.69	N 39 13 4.48	W 108 3 22 07
	8900.00	91.50	182.00	7650.18	2252.26	-2202.58	868.27	0.00	14256467.20	774774.20	N 39 13 3.49	W 108 3 22 07
	9000.00	91.50	182.00	7647.56	2351.75	-2302.48	864.78	0.00	14256367.25	774770.71	N 39 13 2.50	W 108 3 22 07
	9100.00	91.50	182.00	7644.95	2451.25	-2402.39	861.29	0.00	14256267.30	774767.22	N 39 13 1.52	W 108 3 22 07
	9200.00	91.50	182.00	7642.33	2550.74	-2502.29	857.80	0.00	14256167.35	774763.73	N 39 13 0.53	W 108 3 22 07
	9300.00	91.50	182.00	7639.71	2650.24	-2602.20	854.31	0.00	14256067.40	774760.24	N 39 12 59.54	W 108 3 22 07
	9400.00	91.50	182.00	7637.09	2749.73	-2702.10	850.82	0.00	14255967.45	774756.75	N 39 12 58.55	W 108 3 22 07
	9500.00	91.50	182.00	7634.48	2849.23	-2802.01	847.33	0.00	14255867.50	774753.26	N 39 12 57.56	W 108 3 22 08
	9600.00	91.50	182.00	7631.86	2948.72	-2901.91	843.84	0.00	14255767.55	774749.77	N 39 12 56.58	W 108 3 22 08
	9700.00	91.50	182.00	7629.24	3048.22	-3001.81	840.36	0.00	14255667.60	774746.28	N 39 12 55.59	W 108 3 22 08
	9800.00	91.50	182.00	7626.62	3147.71	-3101.72	836.87	0.00	14255567.65	774742.79	N 39 12 54.60	W 108 3 22 08
	9900.00	91.50	182.00	7624.01	3247.21	-3201.62	833.38	0.00	14255467.70	774739.30	N 39 12 53.61	W 108 3 22 08
	10000.00	91.50	182.00	7621.39	3346.71	-3301.53	829.89	0.00	14255367.75	774735.81	N 39 12 52.62	W 108 3 22 08
	10100.00	91.50	182.00	7618.77	3446.20	-3401.43	826.40	0.00	14255267.80	774732.32	N 39 12 51.64	W 108 3 22 08
	10200.00	91.50	182.00	7616.15	3545.70	-3501.34	822.91	0.00	14255167.85	774728.83	N 39 12 50.65	W 108 3 22 09
	10300.00	91.50	182.00	7613.53	3645.19	-3601.24	819.42	0.00	14255067.90	774725.34	N 39 12 49.66	W 108 3 22 09
	10400.00	91.50	182.00	7610.92	3744.69	-3701.15	815.93	0.00	14254967.94	774721.84	N 39 12 48.67	W 108 3 22 09
	10500.00	91.50	182.00	7608.30	3844.18	-3801.05	812.45	0.00	14254867.99	774718.35	N 39 12 47.68	W 108 3 22 09
	10600.00	91.50	182.00	7605.68	3943.68	-3900.96	808.96	0.00	14254768.04	774714.86	N 39 12 46.70	W 108 3 22 09
	10700.00	91.50	182.00	7603.06	4043.17	-4000.86	805.47	0.00	14254668.09	774711.37	N 39 12 45.71	W 108 3 22 09
	10800.00	91.50	182.00	7600.45	4142.67	-4100.77	801.98	0.00	14254568.14	774707.88	N 39 12 44.72	W 108 3 22 10
	10900.00	91.50	182.00	7597.83	4242.16	-4200.67	798.49	0.00	14254468.19	774704.39	N 39 12 43.73	W 108 3 22 10
	11000.00	91.50	182.00	7595.21	4341.66	-4300.58	795.00	0.00	14254368.24	774700.90	N 39 12 42.74	W 108 3 22 10
	11100.00	91.50	182.00	7592.59	4441.15	-4400.48	791.51	0.00	14254268.29	774697.41	N 39 12 41.76	W 108 3 22 10
	11200.00	91.50	182.00	7589.98	4540.65	-4500.39	788.02	0.00	14254168.34	774693.92	N 39 12 40.77	W 108 3 22 10
	11300.00	91.50	182.00	7587.36	4640.14	-4600.29	784.54	0.00	14254068.39	774690.43	N 39 12 39.78	W 108 3 22 10
	11400.00	91.50	182.00	7584.74	4739.64	-4700.20	781.05	0.00	14253968.44	774686.94	N 39 12 38.79	W 108 3 22 10
	11500.00	91.50	182.00	7582.12	4839.13	-4800.10	777.56	0.00	14253868.49	774683.45	N 39 12 37.80	W 108 3 22 11
	11600.00	91.50	182.00	7579.50	4938.63	-4900.01	774.07	0.00	14253768.54	774679.96	N 39 12 36.82	W 108 3 22 11
	11700.00	91.50	182.00	7576.89	5038.12	-4999.91	770.58	0.00	14253668.59	774676.47	N 39 12 35.83	W 108 3 22 11
	11800.00	91.50	182.00	7574.27	5137.62	-5099.82	767.09	0.00	14253568.64	774672.98	N 39 12 34.84	W 108 3 22 11
	11900.00	91.50	182.00	7571.65	5237.11	-5199.72	763.60	0.00	14253468.69	774669.49	N 39 12 33.85	W 108 3 22 11
	12000.00	91.50	182.00	7569.03	5336.61	-5299.63	760.11	0.00	14253368.74	774666.00	N 39 12 32.86	W 108 3 22 11
	12100.00	91.50	182.00	7566.42	5436.10	-5399.53	756.63	0.00	14253268.79	774662.51	N 39 12 31.88	W 108 3 22 11
	12200.00	91.50	182.00	7563.80	5535.60	-5499.44	753.14	0.00	14253168.84	774659.02	N 39 12 30.89	W 108 3 22 12
	12300.00	91.50	182.00	7561.18	5635.09	-5599.34	749.65	0.00	14253068.89	774655.53	N 39 12 29.90	W 108 3 22 12
	12400.00	91.50	182.00	7558.56	5734.59	-5699.25	746.16	0.00	14252968.94	774652.04	N 39 12 28.91	W 108 3 22 12
	12500.00	91.50	182.00	7555.95	5834.08	-5799.15	742.67	0.00	14252868.98	774648.55	N 39 12 27.92	W 108 3 22 12
	12600.00	91.50	182.00	7553.33	5933.58	-5899.06	739.18	0.00	14252769.03	774645.06	N 39 12 26.94	W 108 3 22 12
	12700.00	91.50	182.00	7550.71	6033.07	-5998.96	735.69	0.00	14252669.08	774641.57	N 39 12 25.95	W 108 3 22 12
	12800.00	91.50	182.00	7548.09	6132.57	-6098.86	732.20	0.00	14252569.13	774638.08	N 39 12 24.96	W 108 3 22 12
	12900.00	91.50	182.00	7545.47	6232.07	-6198.77	728.72	0.00	14252469.18	774634.59	N 39 12 23.97	W 108 3 22 13
	13000.00	91.50	182.00	7542.86	6331.56	-6298.67	725.23	0.00	14252369.23	774631.10	N 39 12 22.98	W 108 3 22 13
	13100.00	91.50	182.00	7540.24	6431.06	-6398.58	721.74	0.00	14252269.28	774627.61	N 39 12 22.00	W 108 3 22 13
	13200.00	91.50	182.00	7537.62	6530.55	-6498.48	718.25	0.00	14252169.33	774624.12	N 39 12 21.01	W 108 3 22 13
	13300.00	91.50	182.00	7535.00	6630.05	-6598.39	714.76	0.00	14252069.38	774620.62	N 39 12 20.02	W 108 3 22 13
	13400.00	91.50	182.00	7532.39	6729.54	-6698.29	711.27	0.00	14251969.43	774617.13	N 39 12 19.03	W 108 3 22 13
	13500.00	91.50	182.00	7529.77	6829.04	-6798.20	707.78	0.00	14251869.48	774613.64	N 39 12 18.04	W 108 3 22 14
	13600.00	91.50	182.00	7527.15	6928.53	-6898.10	704.29	0.00	14251769.53	774610.15	N 39 12 17.06	W 108 3 22 14
	13700.00	91.50	182.00	7524.53	7028.03	-6998.01	700.81	0.00	14251669.58	774606.66	N 39 12 16.07	W 108 3 22 14
	13800.00	91.50	182.00	7521.92	7127.52	-7097.91	697.32	0.00	14251569.63	774603.17	N 39 12 15.08	W 108 3 22 14
	13900.00	91.50	182.00	7519.30	7227.02	-7197.82	693.83	0.00	14251469.68	774599.68	N 39 12 14.09	W 108 3 22 14
	14000.00	91.50	182.00	7516.68	7326.51	-7297.72	690.34	0.00	14251369.73	774596.19	N 39 12 13.10	W 108 3 22 14
	14100.00	91.50	182.00	7514.06	7426.01	-7397.63	686.85	0.00	14251269.78	774592.70	N 39 12 12.12	W 108 3 22 14
	14200.00	91.50	182.00	7511.44	7525.50	-7497.53	683.36	0.00	14251169.83	774589.21	N 39 12 9	