

State of Colorado  
Oil and Gas Conservation Commission

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



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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  
2. Name Of Operator : EnCana Oil & Gas (USA) Inc.  
3. Address : 370 17th Street, Suite 1700  
City : Denver State : CO Zip : 80202  
4. Contact Name : HEATHER MITCHELL  
Phone : 720-876-3070  
Fax : 720-876-4070  
5. API Number : 05103118850000 OGCC Facility ID Number 9102-14 G15 2104  
6. Well/Facility Name : HH 9102-14 G15 2104 7. Well/Facility Number : 9102-14 G15 2104  
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian) : Lot2 Sec 15 T2S - R104W 6th PM  
9. County : RIO BLANCO 10. Field Name : Hells Hole Canyon  
11. Federal, Indian or State Lease Number : COC50114

Complete the Attachment Checklist

	OP	OGCC
Survey Plat	<input type="checkbox"/>	<input type="checkbox"/>
Directional Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surface Eqpmt Diagram	<input type="checkbox"/>	<input type="checkbox"/>
Technical Info Page	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

General Notice

☐ CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)  
FNL/FSL FEL/FWL

Change of Surface Footage from Exterior Section Lines:  
Change of Surface Footage to Exterior Section Lines:  
Change of Bottomhole Footage from Exterior Section Lines:  
Change of Bottomhole Footage to Exterior Section Lines: attach directional survey  
Bottom hole location Qtr/Qtr, Sec, Twp, Rng, Mer  
Latitude Distance to nearest property line Distance to nearest bldg, public rd, utility or RR  
Longitude Distance to nearest lease line Is location in a High Density Area (Rule 603b)? Yes/No  
Ground Elevation Distance to nearest well same formation Surface owner consultation date:

GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

☐ CHANGE SPACING UNIT  
Formation Formation Code Spacing order number Unit Acreage Unit configuration

☐ Remove from surface bond  
Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):  
Effective Date :  
Plugging Bond : ☐ Blanket ☐ Individual

☐ CHANGE WELL NAME  
From :  
To :  
Effective Date :  
NUMBER

☐ ABANDONED LOCATION:  
Was location ever built? ☐ Yes ☐ No  
Is site ready for inspection? ☐ Yes ☐ No  
Date Ready for Inspection:

☐ NOTICE OF CONTINUED SHUT IN STATUS  
Date well shut in or temporarily abandoned:  
Has Production Equipment been removed from site? ☐ Yes ☐ No  
MIT required if shut in longer than two years. Date of Last MIT

☐ SPUD DATE :  
☐ REQUEST FOR CONFIDENTIAL STATUS: (6 mos from date casing set)

☐ 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

☐ 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

☐ Notice of Intent  
Approximate Start Date :  
☐ Report of Work Done  
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 type="checkbox"/> Gross Interval Changed?              | <input type="checkbox"/> Rule 502 variance requested | <input type="checkbox"/> Status Update/Change of Remediation Plans for spills and Releases |
| <input type="checkbox"/> Casing/Cementing Program Change      | <input type="checkbox"/> Other :                     |  |

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

Signed: Heather Mitchell Date : 11/01/2011 Email: Heather.Mitchell@encana.com  
Print Name : HEATHER MITCHELL Title : REGULATORY ANALYST

OGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: 100185	API Number: 05103118850000
2. Name of Operator: EnCana Oil & Gas (USA) Inc.	OGCC Facility ID # 9102-14 G15 2104
3. Well/Facility Name: HH 9102-14 G15 2104	Well/Facility Number: 9102-14 G15 2104
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): Lot2 Sec 15 T2S - R104W 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.

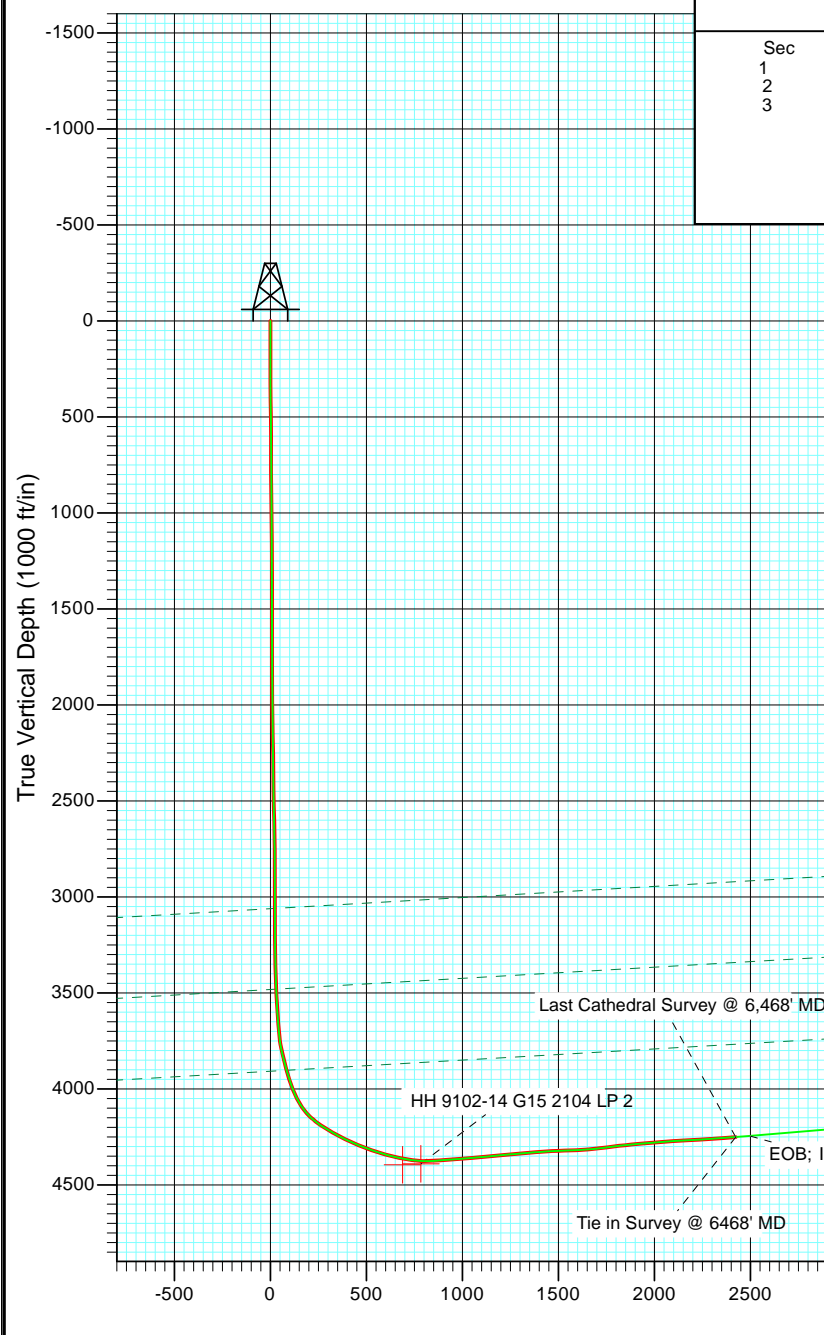
5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Encana requested and received verbal approval from Jay Krabacher at 5 PM on October 31, 2011 to extend the TD of the HH 9102-14 G15 well by 67', from 8583' to 8650' MD.  
The TVD of the well didn't change nor did the BHL target.  
Encana remains in the permitted formation.  
The max TVD on the well is 4400 ft.  
We set surface at 800' and intermediate on this well at 3530'.  
TOG is 3080'.

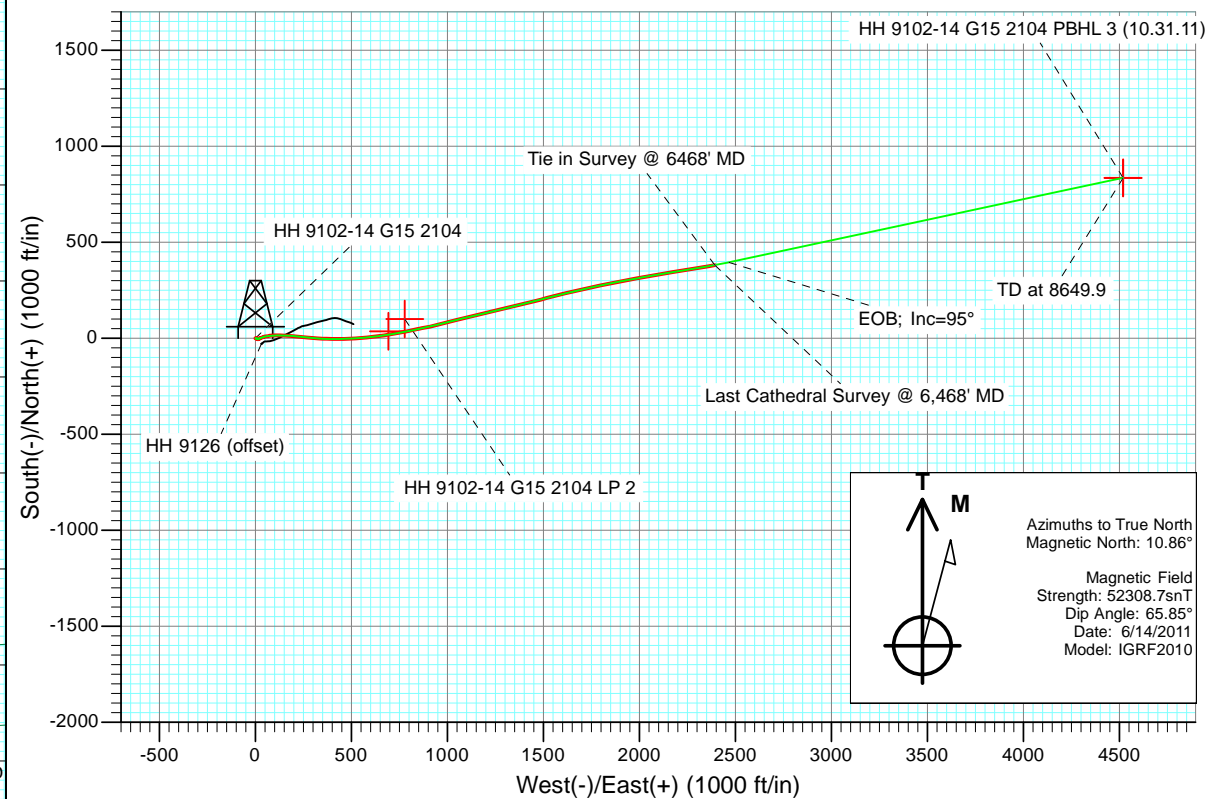
Please find the attached revised directional survey



Project: Hell's Hole  
Site: HH G-15 Pad  
Well: HH 9102-14 G15 2104  
Wellbore: HZ  
Design: Plan #7



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	6468.0	94.00	79.90	4251.8	381.4	2393.6	0.00	0.00	2423.1	
2	6542.3	95.00	77.90	4246.0	395.6	2466.3	3.00	-63.22	2497.2	
3	8649.9	95.00	77.90	4062.2	835.7	4519.2	0.00	0.00	4595.9	HH 9102-14 G15 2104 PBHL 3 (10.31.11)



Plan #7 HH 9102-14 G15 2104 115XXX; SC						
KBE @ 6981.0ft (Original Well Elev) North American Datum 1983 Well HH 9102-14 G15 2104, True North						
Type TD	Target No Target (Freehand)	Azimuth 79.52	Origin Type Slot	N/S 0.0	E/W 0.0	From TVD 0.0
TVD						
HH 9102-14 G15 2104 PBHL 3 (10.31.11)	4062.2	+N/-S 835.7	+E/-W 4519.2	Latitude 39.879383		Longitude -109.032668
HH 9102-14 G15 2104 LP 2	4390.0	139.3	776.9	39.877472		-109.045998

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well HH 9102-14 G15 2104
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KBE @ 6981.0ft (Original Well Elev)
<b>Project:</b>	Hell's Hole	<b>MD Reference:</b>	KBE @ 6981.0ft (Original Well Elev)
<b>Site:</b>	HH G-15 Pad	<b>North Reference:</b>	True
<b>Well:</b>	HH 9102-14 G15 2104	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #7		

<b>Project</b>	Hell's Hole		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

Site		HH G-15 Pad			
Site Position:		Northing:	1,763,803.92 ft	Latitude:	39.877051
From:	Lat/Long	Easting:	2,004,246.08 ft	Longitude:	-109.048659
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-2.24 °

Well	HH 9102-14 G15 2104					
Well Position	+N/-S	0.0 ft	Northing:	1,763,819.19 ft	Latitude:	39.877090
	+E/-W	0.0 ft	Easting:	2,004,216.55 ft	Longitude:	-109.048766
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,966.0 ft

<b>Wellbore</b>	HZ				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
			(°)	(°)	(nT)
	IGRF2010	6/14/2011	10.87	65.85	52,309

<b>Design</b>	Plan #7				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	6,468.0	
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	79.52	

<b>Plan Sections</b>										
<b>Measured Depth</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical Depth</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Dogleg Rate</b>	<b>Build Rate</b>	<b>Turn Rate</b>	<b>TFO</b>	<b>Target</b>
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
6,468.0	94.00	79.90	4,251.8	381.4	2,393.6	0.00	0.00	0.00	0.00	
6,542.3	95.00	77.90	4,246.0	395.6	2,466.3	3.00	1.35	-2.69	-63.22	
8,649.9	95.00	77.90	4,062.2	835.7	4,519.2	0.00	0.00	0.00	0.00	HH 9102-14 G15 2104

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well HH 9102-14 G15 2104
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KBE @ 6981.0ft (Original Well Elev)
<b>Project:</b>	Hell's Hole	<b>MD Reference:</b>	KBE @ 6981.0ft (Original Well Elev)
<b>Site:</b>	HH G-15 Pad	<b>North Reference:</b>	True
<b>Well:</b>	HH 9102-14 G15 2104	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #7		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
6,468.0	94.00	79.90	4,251.8	381.4	2,393.6	2,423.1	0.00	0.00	Tie in Survey @ 6468' MD - HH 9101-14 G15 2
6,500.0	94.43	79.04	4,249.4	387.2	2,425.0	2,455.0	3.00	1.35	
6,542.3	95.00	77.90	4,246.0	395.6	2,466.3	2,497.2	3.00	1.35	EOB; Inc=95°
6,600.0	95.00	77.90	4,240.9	407.7	2,522.5	2,554.6	0.00	0.00	
6,700.0	95.00	77.90	4,232.2	428.6	2,619.9	2,654.2	0.00	0.00	
6,800.0	95.00	77.90	4,223.5	449.4	2,717.3	2,753.8	0.00	0.00	
6,900.0	95.00	77.90	4,214.8	470.3	2,814.7	2,853.3	0.00	0.00	
7,000.0	95.00	77.90	4,206.1	491.2	2,912.1	2,952.9	0.00	0.00	
7,100.0	95.00	77.90	4,197.3	512.1	3,009.5	3,052.5	0.00	0.00	
7,200.0	95.00	77.90	4,188.6	533.0	3,107.0	3,152.1	0.00	0.00	
7,300.0	95.00	77.90	4,179.9	553.8	3,204.4	3,251.6	0.00	0.00	
7,400.0	95.00	77.90	4,171.2	574.7	3,301.8	3,351.2	0.00	0.00	
7,500.0	95.00	77.90	4,162.5	595.6	3,399.2	3,450.8	0.00	0.00	
7,600.0	95.00	77.90	4,153.7	616.5	3,496.6	3,550.4	0.00	0.00	
7,700.0	95.00	77.90	4,145.0	637.4	3,594.0	3,650.0	0.00	0.00	
7,800.0	95.00	77.90	4,136.3	658.2	3,691.4	3,749.5	0.00	0.00	
7,900.0	95.00	77.90	4,127.6	679.1	3,788.8	3,849.1	0.00	0.00	
8,000.0	95.00	77.90	4,118.9	700.0	3,886.2	3,948.7	0.00	0.00	
8,100.0	95.00	77.90	4,110.1	720.9	3,983.6	4,048.3	0.00	0.00	
8,200.0	95.00	77.90	4,101.4	741.7	4,081.0	4,147.9	0.00	0.00	
8,300.0	95.00	77.90	4,092.7	762.6	4,178.4	4,247.4	0.00	0.00	
8,400.0	95.00	77.90	4,084.0	783.5	4,275.8	4,347.0	0.00	0.00	
8,500.0	95.00	77.90	4,075.3	804.4	4,373.2	4,446.6	0.00	0.00	
8,600.0	95.00	77.90	4,066.5	825.3	4,470.6	4,546.2	0.00	0.00	
8,640.6	95.00	77.90	4,063.0	833.7	4,510.2	4,586.6	0.00	0.00	HH 9102-14 G15 2104 PBHL 2 (8.23.11)
8,649.9	95.00	77.90	4,062.2	835.7	4,519.2	4,595.9	0.00	0.00	TD at 8649.9 - HH 9102-14 G15 2104 PBHL 3

## Targets

### Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
HH 9101-14 G15 2104 I - plan misses target center by 1640.6ft at 6468.0ft MD (4251.8 TVD, 381.4 N, 2393.6 E) - Point	0.00	357.76	4,390.0	139.3	776.9	1,763,928.06	2,004,998.31	39.877472	-109.045998
HH 9102-14 G15 2104 I - plan hits target center - Point	0.00	357.77	4,062.2	835.7	4,519.2	1,764,477.74	2,008,764.97	39.879383	-109.032664
HH 9102-14 G15 2104 I - plan misses target center by 106.9ft at 8640.6ft MD (4063.0 TVD, 833.7 N, 4510.2 E) - Point	0.00	357.77	4,169.5	835.8	4,519.3	1,764,477.86	2,008,765.01	39.879383	-109.032664
Plan @ 4395.5 ( HH 910 - plan misses target center by 1740.8ft at 6468.0ft MD (4251.8 TVD, 381.4 N, 2393.6 E) - Point	0.00	0.00	4,395.5	36.5	693.4	1,763,828.61	2,004,910.84	39.877190	-109.046295
HH 9102-14 G15 2104 I - plan misses target center by 1645.2ft at 6468.0ft MD (4251.8 TVD, 381.4 N, 2393.6 E) - Point	0.00	357.76	4,390.0	100.5	778.4	1,763,889.23	2,004,998.31	39.877366	-109.045993
HH 9102-14 G15 2104 I - plan misses target center by 464.8ft at 8649.9ft MD (4062.2 TVD, 835.7 N, 4519.2 E) - Point	0.00	357.77	4,143.0	924.1	4,968.4	1,764,548.52	2,009,217.21	39.879625	-109.031064



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well HH 9102-14 G15 2104
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KBE @ 6981.0ft (Original Well Elev)
<b>Project:</b>	Hell's Hole	<b>MD Reference:</b>	KBE @ 6981.0ft (Original Well Elev)
<b>Site:</b>	HH G-15 Pad	<b>North Reference:</b>	True
<b>Well:</b>	HH 9102-14 G15 2104	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #7		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,059.9	3,061.0	CASTLEGATE		-3.32	79.39
3,480.6	3,482.0	MANCOS B		-3.32	79.39
3,908.2	3,908.0	PRAIRE CANYON		-3.32	79.39

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,468.0	4,251.8	381.4	2,393.6	Tie in Survey @ 6468' MD
6,542.3	4,246.0	395.6	2,466.3	EOB; Inc=95°
8,649.9	4,062.2	835.7	4,519.2	TD at 8649.9