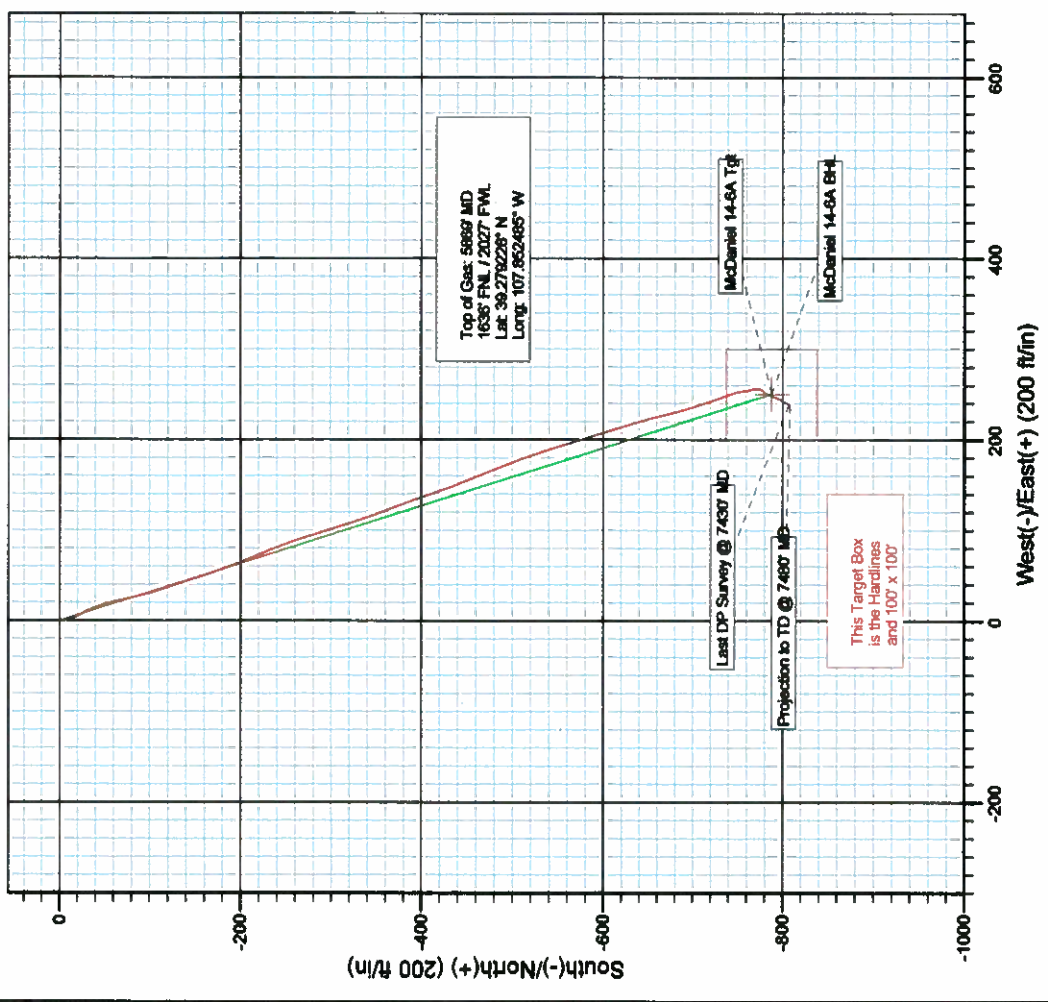
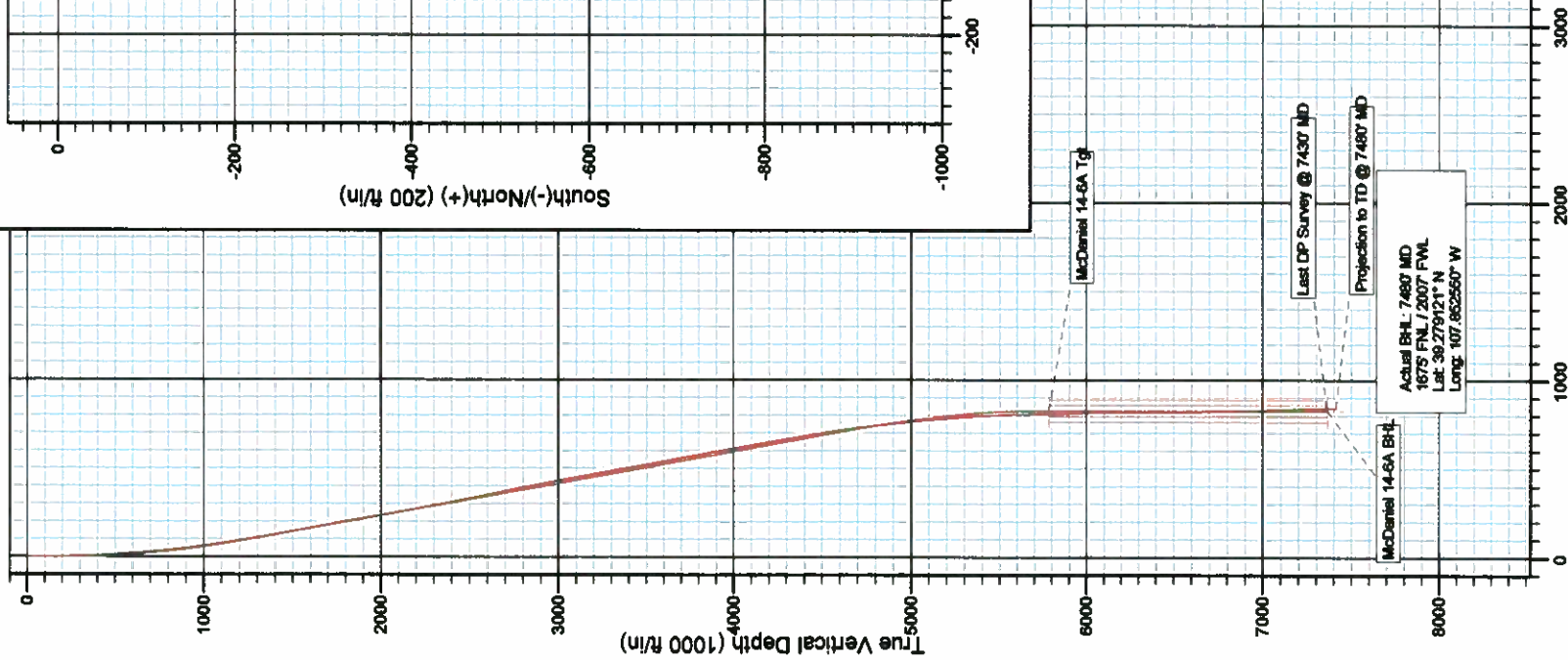




Project: Brush Creek  
 Site: NENW Sec 14-T9S-R94W  
 Well: McDaniel 14-6A  
 Wellbore: DD  
 Design: DD



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Azimuths to True North  
 Magnetic North: 10.57°  
 Magnetic Field  
 Strength: 52424.5snT  
 Dip Angle: 65.67°  
 Date: 11/19/2008  
 Model: IGRF200510

DESIGN DETAILS: DD

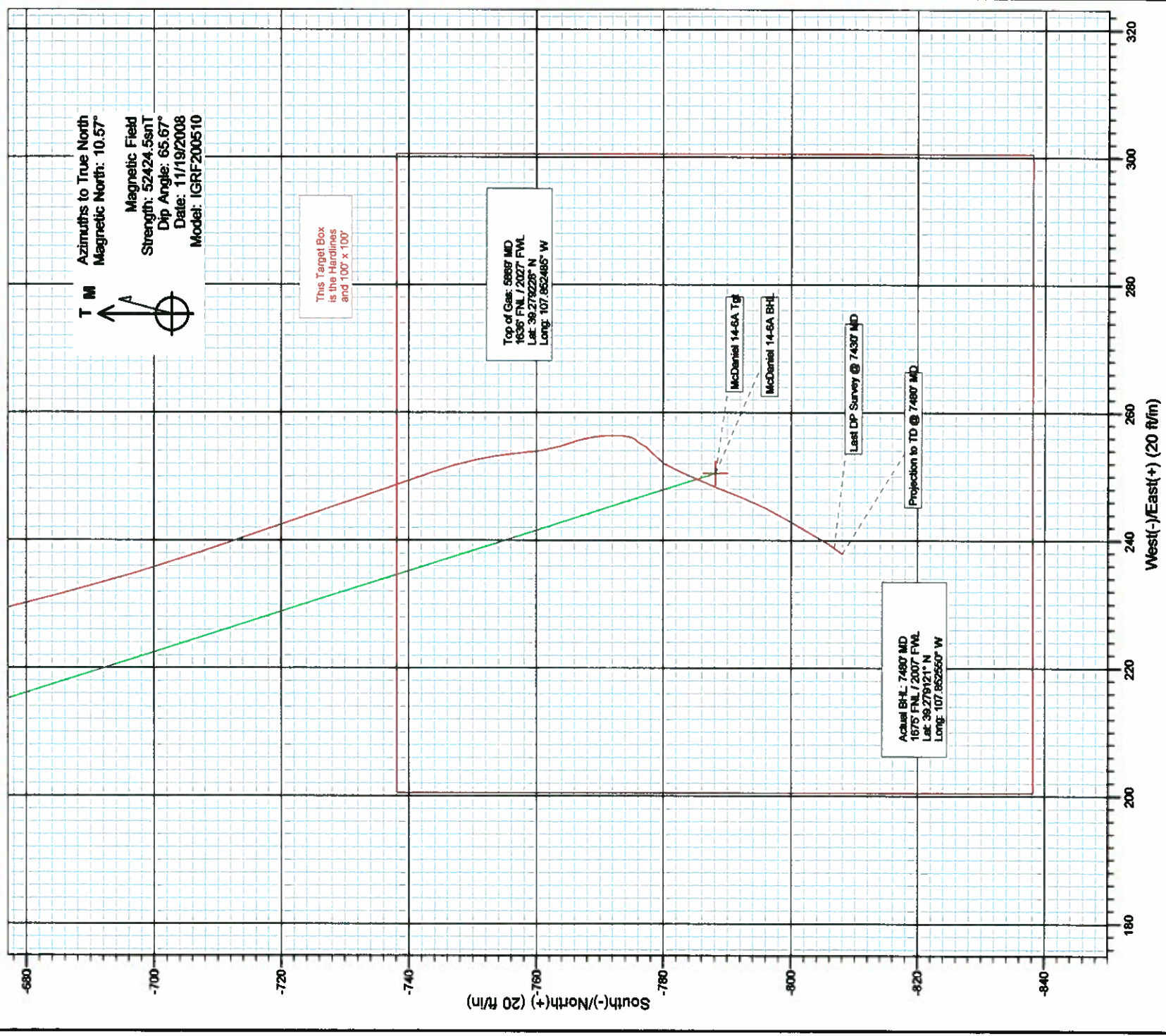
Target	McDaniel 14-6A BHL	86682, JS	86682, JS	McDaniel 14-6A KBE @ 7310.0R (Grey Wolf 18)
Origin Type	Spot	162.37	162.37	162.37
N/S	0.0	0.0	0.0	0.0
E/W	0.0	0.0	0.0	0.0
TVD	0.0	0.0	0.0	0.0



Project: Brush Creek  
Site: NENW Sec 14-T9S-R94W  
Well: McDaniel 14-6A  
Wellbore: DD  
Design: DD



A Division of Cathedral Energy Services Ltd.



Survey Report

Company: Occidental Petroleum Corporation (OXY)  
 Project: Brush Creek  
 Site: NENW Sec 14-T8S-R94W  
 Well: McDaniel 14-6A  
 Wellbore: DD  
 Design: DD

Local Co-ordinate Reference: Well McDaniel 14-6A  
 TVD Reference: McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)  
 MD Reference: McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 US Multi User DB

Project: Brush Creek  
 Map System: US State Plane 1983  
 Geo Datum: North American Datum 1983  
 Map Zone: Colorado Central Zone  
 System Datum: Mean Sea Level

Site: NENW Sec 14-T8S-R94W  
 Site Position: Northing: 1,536,075.65 ft Latitude: 39.281568  
 From: Easting: 2,333,796.71 ft Longitude: -107.853838  
 Position Uncertainty: Lat/Long 0.0 ft Shot Radius: Grid Convergence: -1.48 °

Well: McDaniel 14-6A  
 Well Position: +N-S 0.0 ft Northing: 1,535,989.34 ft Latitude: 39.281340  
 +E-W 0.0 ft Easting: 2,333,921.33 ft Longitude: -107.853390  
 Position Uncertainty: 0.0 ft Wellhead Elevation: ft Ground Level: 7,286.0 ft

Wellbore: DD  
 Magnetics: Model Name Sample Date Declination Dip Angle Field Strength  
 IGRF200510 11/19/2008 10.57 65.67 52.425

Design: DD  
 Audit Notes:  
 Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0  
 Vertical Section: Depth From (TVD) +N-S +E-W Direction  
 (ft) (ft) (ft) (°)  
 0.0 0.0 0.0 0.0 162.37

Survey Program: Date 12/18/2008  
 From (ft) To (ft) Survey (Wellbore) Tool Name Description  
 93.0 7,480.0 Survey #1 (DD) Geolink MWD Geolink MWD

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
93.0	0.20	85.80	93.0	0.0	0.2	0.0	0.22	0.22	
185.0	1.00	200.70	185.0	-0.7	0.0	0.7	1.19	0.87	
278.0	1.80	173.10	278.0	-2.9	-0.1	2.8	1.10	0.86	
370.0	2.50	173.30	369.9	-6.4	0.3	6.2	0.76	0.78	
462.0	3.30	166.00	461.8	-10.9	1.2	10.8	0.96	0.87	
554.0	4.10	150.50	553.6	-16.4	3.5	16.6	1.38	0.87	
647.0	4.70	150.80	646.3	-22.6	7.0	23.6	0.65	0.65	
738.0	5.50	154.90	737.0	-29.8	10.6	31.6	0.97	0.88	
831.0	6.40	158.80	829.5	-38.7	14.4	41.2	1.06	0.97	
923.0	7.10	163.70	920.8	-48.9	17.8	52.0	0.98	0.76	
1,016.0	7.70	166.20	1,013.0	-60.5	20.9	64.0	0.73	0.65	
1,112.0	8.70	167.60	1,108.1	-73.8	24.0	77.6	1.06	1.04	

Survey Report

**Company:** Occidental Petroleum Corporation (OXY)  
**Project:** Brush Creek  
**Site:** NENW Sec 14-T8S-R94W  
**Well:** McDaniel 14-6A  
**Wellbore:** DD  
**Design:** DD

**Local Co-ordinates Reference:** Well McDaniel 14-6A  
**TVD Reference:** McDaniel 14-6A KBE @ 7310.0R (Grey Wolf 18)  
**MD Reference:** McDaniel 14-6A KBE @ 7310.0R (Grey Wolf 18)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 US Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+W-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
1,208.0	9.20	166.00	1,202.9	-88.3	27.5	92.5	0.58	0.52	
1,303.0	9.80	163.90	1,296.6	-103.5	31.5	106.2	0.73	0.63	
1,399.0	10.30	160.20	1,391.1	-119.4	36.7	124.9	0.85	0.52	
1,478.0	10.50	161.50	1,468.8	-132.9	41.4	139.2	0.39	0.25	
1,560.0	10.00	162.40	1,549.5	-146.7	45.9	153.7	0.64	-0.61	
1,656.0	10.10	162.80	1,644.0	-162.7	50.9	170.5	0.13	0.10	
1,752.0	10.20	159.00	1,738.5	-178.7	56.5	187.4	0.71	0.10	
1,848.0	11.00	158.40	1,832.9	-195.1	62.9	205.0	0.84	0.63	
1,943.0	10.10	158.10	1,926.3	-211.3	69.3	222.4	0.95	-0.95	
2,039.0	10.70	156.90	2,020.7	-227.3	76.0	239.6	0.66	0.62	
2,135.0	10.30	158.10	2,115.1	-243.5	82.7	257.1	0.47	-0.42	
2,231.0	10.40	161.70	2,209.5	-259.7	88.6	274.3	0.68	0.10	
2,326.0	10.70	162.30	2,302.9	-276.2	93.9	291.7	0.34	0.32	
2,422.0	10.90	164.20	2,397.2	-293.4	99.1	309.7	0.43	0.21	
2,518.0	11.40	161.00	2,491.4	-311.1	104.7	328.2	0.83	0.52	
2,614.0	11.30	163.50	2,585.6	-329.1	110.4	347.1	0.52	-0.10	
2,709.0	11.70	158.80	2,678.6	-347.0	116.6	366.0	1.07	0.42	
2,805.0	12.20	159.00	2,772.6	-365.6	123.7	385.9	0.52	0.52	
2,901.0	11.60	160.20	2,866.5	-384.1	130.6	405.6	0.68	-0.62	
2,996.0	10.70	159.50	2,959.7	-401.4	137.0	424.0	0.96	-0.95	
3,092.0	10.10	162.60	3,054.1	-417.8	142.6	441.3	0.85	-0.62	
3,188.0	9.80	159.70	3,148.7	-433.4	147.9	457.9	0.61	-0.31	
3,284.0	10.20	155.90	3,243.2	-448.9	154.3	474.5	0.80	0.42	
3,380.0	11.30	158.30	3,337.5	-465.4	161.2	492.3	1.24	1.15	
3,475.0	10.80	158.30	3,430.8	-482.3	167.9	510.5	0.53	-0.53	
3,571.0	10.20	159.00	3,525.2	-498.6	174.3	528.0	0.64	-0.62	
3,667.0	10.30	159.50	3,619.6	-514.6	180.4	545.0	0.14	0.10	
3,763.0	10.40	162.00	3,714.1	-530.8	186.0	562.2	0.48	0.10	
3,859.0	10.20	162.80	3,807.5	-547.0	191.2	579.2	0.26	-0.21	
3,954.0	9.90	162.70	3,902.1	-563.0	196.1	596.0	0.31	-0.31	
4,050.0	10.00	163.80	3,996.6	-578.9	200.9	612.6	0.22	0.10	
4,146.0	9.80	162.70	4,091.2	-594.7	205.7	629.1	0.29	-0.21	
4,241.0	9.80	162.20	4,184.8	-610.1	210.6	645.2	0.09	0.00	
4,337.0	10.30	162.30	4,279.3	-626.1	215.7	662.0	0.52	0.52	
4,433.0	9.80	164.90	4,373.9	-642.1	220.4	678.7	0.70	-0.52	
4,529.0	9.30	165.70	4,468.5	-657.6	224.4	694.6	0.54	-0.52	
4,624.0	8.70	165.40	4,562.4	-671.9	228.2	709.5	0.63	-0.63	
4,720.0	7.60	166.00	4,657.4	-685.1	231.5	723.1	1.15	-1.15	
4,816.0	6.90	162.70	4,752.6	-698.8	234.8	735.2	0.85	-0.73	
4,911.0	6.60	161.50	4,847.0	-707.4	236.2	746.3	0.35	-0.32	
5,007.0	6.30	161.10	4,942.4	-717.6	241.7	757.1	0.32	-0.31	
5,103.0	5.60	161.00	5,037.8	-727.0	244.9	767.1	0.73	-0.73	
5,199.0	5.10	161.30	5,133.4	-735.5	247.8	776.0	0.52	-0.52	
5,294.0	4.90	160.30	5,228.1	-743.3	250.5	784.3	0.23	-0.21	
5,390.0	4.00	168.10	5,323.8	-750.5	252.6	791.7	1.13	-0.94	
5,486.0	3.00	174.10	5,419.6	-756.3	253.5	797.5	1.11	-1.04	
5,582.0	2.30	173.30	5,515.5	-760.7	254.0	801.9	0.73	-0.73	
5,677.0	1.80	159.40	5,610.4	-764.0	254.8	805.2	0.74	-0.53	
5,773.0	1.60	164.00	5,706.4	-766.7	255.7	808.1	0.25	-0.21	
5,869.0	1.50	171.70	5,802.4	-769.2	256.2	810.7	0.24	-0.10	
5,964.0	1.30	179.80	5,897.3	-771.5	256.4	812.9	0.30	-0.21	
6,060.0	1.00	179.90	5,993.3	-773.4	256.4	814.7	0.31	-0.31	
6,156.0	0.70	200.20	6,089.3	-774.8	256.2	816.0	0.44	-0.31	

Survey Report

<b>Company:</b> Occidental Petroleum Corporation (OXY)	<b>Well:</b> McDaniel 14-6A	<b>Local Co-ordinate Reference:</b> TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:	<b>Well McDaniel 14-6A</b> McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18) McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18) True Minimum Curvature EDM 2003.21 US Multi User DB
<b>Project:</b> Brush Creek NENW Sec 14-TSS-R94W	<b>Wellbore:</b> DD		
<b>Site:</b> McDaniel 14-6A	<b>Design:</b> DD		

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
6,252.0	0.40	221.20	6,185.3	-775.6	255.8	816.6	0.37	-0.31	
6,343.0	0.80	215.50	6,276.3	-776.4	255.2	817.2	0.44	0.44	
6,439.0	0.70	206.60	6,372.3	-777.4	254.5	818.0	0.16	-0.10	
6,535.0	1.20	235.80	6,468.3	-778.5	253.4	818.7	0.71	0.52	
6,630.0	1.50	209.60	6,563.2	-780.2	252.0	819.8	0.71	0.32	
6,726.0	1.70	204.60	6,659.2	-782.6	250.8	821.8	0.25	0.21	
6,822.0	2.00	203.90	6,755.2	-785.4	249.5	824.1	0.31	0.31	
6,918.0	2.10	202.30	6,851.1	-788.5	248.2	826.7	0.12	0.10	
7,013.0	2.50	200.70	6,946.0	-792.1	246.8	829.6	0.43	0.42	
7,109.0	2.50	206.30	7,041.9	-795.9	245.1	832.8	0.25	0.00	
7,205.0	2.40	211.80	7,137.8	-799.5	243.1	835.6	0.27	-0.10	
7,301.0	2.20	208.00	7,233.8	-802.8	241.2	838.2	0.26	-0.21	
7,396.0	2.00	212.70	7,328.7	-805.8	239.5	840.5	0.28	-0.21	
7,430.0	1.80	216.10	7,362.7	-806.8	238.8	841.2	0.67	-0.59	Last DP Survey @ 7430' MD
7,480.0	1.80	216.10	7,412.7	-808.0	237.9	842.1	0.00	0.00	Projection to TD @ 7480' MD

Target Name	Dip Angle (°)	Dip Dir.	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
McDaniel 14-6A BHL	0.00	0.00	7,365.0	-788.2	250.5	1,535,194.96	2,334,151.35	39.279176	-107.852505
- survey misses target center by 22.1ft at 7430.0ft MD (7362.7 TVD, -806.8 N, 238.8 E)									
- Rectangle (sides W100.0 H100.0 D0.0)									
McDaniel 14-6A Tgt	0.00	0.00	5,785.0	-788.2	250.5	1,535,194.96	2,334,151.35	39.279176	-107.852505
- survey misses target center by 20.2ft at 5852.1ft MD (5785.5 TVD, -768.7 N, 256.1 E)									
- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates
7,430.0	7,362.7	-806.8
7,480.0	7,412.7	-808.0

Comment: Last DP Survey @ 7430' MD  
Projection to TD @ 7480' MD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Survey Report - Geographic

<b>Company:</b> Occidental Petroleum Corporation (OXY)	<b>Local Co-ordinates Reference:</b> Well McDaniel 14-6A
<b>Project:</b> Brush Creek	McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)
<b>Site:</b> NENW Sec 14-T9S-R94W	McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)
<b>Well:</b> McDaniel 14-6A	True
<b>Wellbore:</b> DD	Minimum Curvature
<b>Design:</b> DD	EDM 2003.21 US Multi User DB

<b>Project:</b> Brush Creek	<b>System Datum:</b> Mean Sea Level
<b>Map System:</b> US State Plane 1983	
<b>Geo Datum:</b> North American Datum 1983	
<b>Map Zone:</b> Colorado Central Zone	

<b>Site</b>	NENW Sec 14-T9S-R94W	
<b>Site Position:</b>	<b>Northing:</b> 1,536,075.65 ft	<b>Latitude:</b> 39.281568
<b>From:</b>	<b>Easting:</b> 2,333,798.71 ft	<b>Longitude:</b> -107.853338
<b>Position Uncertainty:</b>	<b>Slot Radius:</b> 0.0 ft	<b>Grid Convergence:</b> -1.48 °

<b>Well</b>	McDaniel 14-6A	
<b>Well Position</b>	<b>+N-S</b> 0.0 ft	<b>Northing:</b> 1,535,989.34 ft
	<b>+E-W</b> 0.0 ft	<b>Easting:</b> 2,333,921.33 ft
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b> 7,286.0 ft

<b>Wellbore</b>	DD	
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>
	IGRF200510	11/19/2008
	<b>Declination (°)</b> 10.57	<b>Dip Angle (°)</b> 65.67
		<b>Field Strength (nT)</b> 52,425

<b>Design</b>	DD	
<b>Audit Notes:</b>		
<b>Version:</b> 1.0	<b>Phase:</b> ACTUAL	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b> 0.0	<b>+N-S (ft)</b> 0.0
		<b>+E-W (ft)</b> 0.0
		<b>Direction (°)</b> 162.37

<b>Survey Program</b>	<b>Date</b> 12/18/2008
<b>From (ft)</b>	<b>To (ft)</b>
93.0	7,480.0
	<b>Survey #1 (DD)</b>
	Geolink MWD
	Geolink MMD

Survey Report - Geographic

<b>Company:</b>	Occidental Petroleum Corporation (OXY)	<b>Local Co-ordinate Reference:</b>	Well McDaniel 14-6A
<b>Project:</b>	Brush Creek	<b>TVD Reference:</b>	McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)
<b>Site:</b>	NEW Sec 14-T9S-R94W	<b>MD Reference:</b>	McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)
<b>Well:</b>	McDaniel 14-6A	<b>North Reference:</b>	True
<b>Wellbore:</b>	DD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	DD	<b>Database:</b>	EDM 2003.21 US Multi User DB

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+W-S (ft)	+E-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	1,535,989.34	2,333,921.33	39.281340	-107.853390
93.0	0.20	85.80	93.0	0.0	0.2	1,535,989.35	2,333,921.49	39.281340	-107.853389
185.0	1.00	200.70	185.0	-0.7	0.0	1,535,988.62	2,333,921.35	39.281338	-107.853390
278.0	1.80	173.10	278.0	-2.9	-0.1	1,535,986.41	2,333,921.18	39.281332	-107.853389
370.0	2.50	173.30	369.9	-6.4	0.3	1,535,982.97	2,333,921.50	39.281323	-107.853389
462.0	3.30	166.00	461.8	-10.9	1.2	1,535,978.39	2,333,922.26	39.281310	-107.853386
554.0	4.10	150.50	553.6	-16.4	3.5	1,535,972.90	2,333,924.37	39.281295	-107.853378
647.0	4.70	150.80	646.3	-22.6	7.0	1,535,966.59	2,333,927.71	39.281278	-107.853365
738.0	5.50	154.90	737.0	-29.8	10.6	1,535,959.30	2,333,931.19	39.281258	-107.853352
831.0	6.40	158.80	829.5	-38.7	14.4	1,535,950.33	2,333,934.72	39.281234	-107.853339
923.0	7.10	163.70	920.8	-48.9	17.8	1,535,940.01	2,333,937.91	39.281206	-107.853327
1,016.0	7.70	166.20	1,013.0	-60.5	20.9	1,535,928.37	2,333,940.71	39.281174	-107.853316
1,112.0	8.70	167.60	1,108.1	-73.8	24.0	1,535,914.85	2,333,943.45	39.281137	-107.853305
1,208.0	9.20	166.00	1,202.9	-88.3	27.5	1,535,900.33	2,333,946.49	39.281097	-107.853293
1,303.0	9.80	163.90	1,296.6	-103.5	31.5	1,535,885.10	2,333,950.18	39.281056	-107.853279
1,399.0	10.30	160.20	1,391.1	-119.4	36.7	1,535,868.04	2,333,954.93	39.281012	-107.853260
1,478.0	10.50	161.50	1,468.8	-132.9	41.4	1,535,855.45	2,333,959.26	39.280975	-107.853244
1,560.0	10.00	162.40	1,549.5	-146.7	45.9	1,535,841.47	2,333,963.42	39.280937	-107.853228
1,656.0	10.10	162.80	1,644.0	-162.7	50.9	1,535,825.36	2,333,968.02	39.280893	-107.853210
1,752.0	10.20	159.00	1,738.5	-178.7	56.5	1,535,809.24	2,333,973.14	39.280849	-107.853191
1,848.0	11.00	158.40	1,832.9	-195.1	62.9	1,535,792.63	2,333,979.13	39.280804	-107.853168
1,943.0	10.10	158.10	1,926.3	-211.3	69.3	1,535,776.31	2,333,985.15	39.280760	-107.853145
2,039.0	10.70	156.90	2,020.7	-227.3	76.0	1,535,760.14	2,333,991.37	39.280716	-107.853122
2,135.0	10.30	158.10	2,115.1	-243.5	82.7	1,535,743.81	2,333,997.65	39.280671	-107.853098
2,231.0	10.40	161.70	2,209.5	-259.7	88.6	1,535,727.47	2,334,003.15	39.280627	-107.853077
2,326.0	10.70	162.30	2,302.9	-276.2	93.9	1,535,710.80	2,334,008.09	39.280582	-107.853058
2,422.0	10.90	164.20	2,397.2	-293.4	99.1	1,535,693.44	2,334,012.82	39.280534	-107.853040
2,518.0	11.40	161.00	2,491.4	-311.1	104.7	1,535,675.60	2,334,017.92	39.280486	-107.853020
2,614.0	11.30	163.50	2,585.6	-329.1	110.4	1,535,657.47	2,334,023.21	39.280436	-107.853000
2,709.0	11.70	158.80	2,678.6	-347.0	116.6	1,535,639.41	2,334,028.88	39.280387	-107.852978
2,805.0	12.20	159.00	2,772.6	-365.6	123.7	1,535,620.69	2,334,035.55	39.280336	-107.852953
2,901.0	11.60	160.20	2,866.5	-384.1	130.6	1,535,601.96	2,334,041.97	39.280285	-107.852929
2,996.0	10.70	159.50	2,959.7	-401.4	137.0	1,535,584.56	2,334,047.84	39.280238	-107.852906
3,092.0	10.10	162.60	3,054.1	-417.8	142.6	1,535,568.04	2,334,053.06	39.280193	-107.852886
3,188.0	9.80	159.70	3,148.7	-433.4	147.9	1,535,552.21	2,334,058.00	39.280150	-107.852867
3,284.0	10.20	155.90	3,243.2	-448.9	154.3	1,535,536.63	2,334,063.90	39.280108	-107.852845
3,380.0	11.30	158.30	3,337.5	-465.4	161.2	1,535,519.96	2,334,070.42	39.280062	-107.852821
3,475.0	10.80	162.80	3,430.8	-482.3	167.9	1,535,502.87	2,334,076.72	39.280016	-107.852797
3,571.0	10.20	159.00	3,525.2	-498.6	174.3	1,535,486.42	2,334,082.66	39.279971	-107.852774
3,667.0	10.30	159.50	3,619.6	-514.6	180.4	1,535,470.29	2,334,088.30	39.279927	-107.852753
3,763.0	10.40	162.00	3,714.1	-530.8	186.0	1,535,453.87	2,334,093.56	39.279883	-107.852733
3,858.0	10.20	162.80	3,807.5	-547.0	191.2	1,535,437.55	2,334,098.27	39.279839	-107.852715
3,954.0	9.80	162.70	3,902.1	-563.0	196.1	1,535,421.43	2,334,102.83	39.279794	-107.852697
4,050.0	10.00	163.80	3,996.6	-578.9	200.9	1,535,405.43	2,334,107.19	39.279751	-107.852680
4,146.0	9.80	162.70	4,091.2	-594.7	205.7	1,535,389.51	2,334,111.54	39.279707	-107.852663
4,241.0	9.80	162.20	4,184.8	-610.1	210.6	1,535,373.97	2,334,116.01	39.279665	-107.852646
4,337.0	10.30	162.30	4,279.3	-626.1	215.7	1,535,357.88	2,334,120.70	39.279621	-107.852628
4,433.0	9.80	164.90	4,373.9	-642.1	220.4	1,535,341.70	2,334,125.02	39.279577	-107.852611
4,529.0	9.30	165.70	4,468.5	-657.6	224.4	1,535,326.20	2,334,128.67	39.279535	-107.852597
4,624.0	8.70	165.40	4,562.4	-671.9	228.2	1,535,311.72	2,334,132.00	39.279495	-107.852584
4,720.0	7.60	166.00	4,657.4	-685.1	231.5	1,535,298.45	2,334,135.02	39.279459	-107.852572
4,816.0	6.90	162.70	4,752.6	-696.8	234.8	1,535,286.70	2,334,137.97	39.279427	-107.852561
4,911.0	6.60	161.50	4,847.0	-707.4	238.2	1,535,275.99	2,334,141.12	39.279398	-107.852549
5,007.0	6.30	161.10	4,942.4	-717.6	241.7	1,535,265.69	2,334,144.32	39.279370	-107.852536
5,103.0	5.60	161.00	5,037.8	-727.0	244.9	1,535,256.20	2,334,147.30	39.279344	-107.852525

Survey Report - Geographic

<b>Company:</b> Occidental Petroleum Corporation (OXY)	<b>Well:</b> McDaniel 14-6A	<b>Local Co-ordinate Reference:</b> Well McDaniel 14-6A
<b>Project:</b> Brush Creek	<b>MD Reference:</b> McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)	<b>TVD Reference:</b> McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)
<b>Site:</b> NENW Sec 14-T8S-R94W	<b>North Reference:</b> True	<b>MD Reference:</b> McDaniel 14-6A KBE @ 7310.0ft (Grey Wolf 18)
<b>Wellbore:</b> DD	<b>Survey Calculation Method:</b> Minimum Curvature	<b>Database:</b> EDM 2003.21 US Multi User DB
<b>Designer:</b> DD		

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
5,199.0	5.10	161.30	5,133.4	-735.5	247.8	1,535,247.65	2,334,149.97	39.279321	-107.852515
5,294.0	4.90	160.30	5,228.1	-743.3	250.5	1,535,239.77	2,334,152.48	39.279299	-107.852505
5,390.0	4.00	168.10	5,323.8	-750.5	252.6	1,535,232.58	2,334,154.38	39.279279	-107.852498
5,486.0	3.00	174.10	5,419.6	-756.3	253.5	1,535,226.78	2,334,155.18	39.279264	-107.852494
5,582.0	2.30	173.30	5,515.5	-760.7	254.0	1,535,222.36	2,334,155.55	39.279251	-107.852493
5,677.0	1.80	159.40	5,610.4	-764.0	254.8	1,535,219.05	2,334,156.21	39.279242	-107.852490
5,773.0	1.60	164.00	5,706.4	-766.7	255.7	1,535,216.33	2,334,157.04	39.279235	-107.852487
5,869.0	1.50	171.70	5,802.4	-769.2	256.2	1,535,213.78	2,334,157.52	39.279228	-107.852485
5,964.0	1.30	179.80	5,897.3	-771.5	256.4	1,535,211.47	2,334,157.65	39.279222	-107.852484
6,060.0	1.00	179.90	5,993.3	-773.4	256.4	1,535,209.54	2,334,157.60	39.279216	-107.852484
6,156.0	0.70	200.20	6,089.3	-774.8	256.2	1,535,208.16	2,334,157.37	39.279213	-107.852485
6,252.0	0.40	221.20	6,185.3	-775.6	255.8	1,535,207.37	2,334,156.92	39.279210	-107.852486
6,343.0	0.80	215.50	6,276.3	-776.4	255.2	1,535,206.63	2,334,156.32	39.279208	-107.852488
6,439.0	0.70	206.60	6,372.3	-777.4	254.5	1,535,205.58	2,334,155.64	39.279205	-107.852491
6,535.0	1.20	235.80	6,468.3	-778.5	253.0	1,535,204.52	2,334,154.52	39.279202	-107.852495
6,630.0	1.50	209.60	6,563.2	-780.2	252.0	1,535,203.91	2,334,154.04	39.279198	-107.852500
6,726.0	1.70	204.60	6,659.2	-782.6	250.8	1,535,200.56	2,334,151.77	39.279191	-107.852504
6,822.0	2.00	203.90	6,755.2	-785.4	249.5	1,535,197.77	2,334,150.42	39.279184	-107.852509
6,918.0	2.10	202.30	6,851.1	-788.5	248.2	1,535,194.64	2,334,149.00	39.279175	-107.852513
7,013.0	2.50	200.70	6,946.0	-792.1	246.8	1,535,191.13	2,334,147.51	39.279165	-107.852518
7,108.0	2.50	206.30	7,041.9	-795.9	245.1	1,535,187.34	2,334,145.75	39.279155	-107.852524
7,205.0	2.40	211.80	7,137.8	-799.5	243.1	1,535,183.81	2,334,143.67	39.279145	-107.852531
7,301.0	2.20	208.00	7,233.8	-802.8	241.2	1,535,180.52	2,334,141.66	39.279136	-107.852538
7,396.0	2.00	212.70	7,328.7	-805.8	239.5	1,535,177.57	2,334,139.83	39.279127	-107.852544
7,430.0	1.80	216.10	7,362.7	-806.8	238.8	1,535,176.65	2,334,139.17	39.279125	-107.852546
<b>Last DP Survey @ 7430' MD</b>									
7,480.0	1.80	216.10	7,412.7	-808.0	237.9	1,535,175.41	2,334,138.21	39.279121	-107.852550
<b>Projection to TD @ 7490' MD</b>									

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
McDaniel 14-6A BHL	0.00	0.00	7,365.0	-788.2	250.5	1,535,194.96	2,334,151.35	39.279176	-107.852505
- survey misses target center by 22.1ft at 7430.0ft MD (7362.7 TVD, -806.8 N, 238.8 E)									
- Rectangle (sides W100.0 H100.0 D0.0)									
McDaniel 14-6A Tgt	0.00	0.00	5,785.0	-788.2	250.5	1,535,194.96	2,334,151.35	39.279176	-107.852505
- survey misses target center by 20.2ft at 5852.1ft MD (5785.5 TVD, -768.7 N, 256.1 E)									
- Point									

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates
		+N-S (ft) +E-W (ft) Comment
7,430.0	7,362.7	-806.8 238.8 Last DP Survey @ 7430' MD
7,480.0	7,412.7	-808.0 237.9 Projection to TD @ 7490' MD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_