



Weatherford®

Evaluation, Drilling & Intervention
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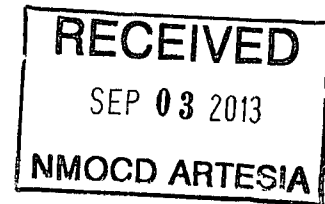
30-015-41251

Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

Date: May 9, 2013

Attention: Carlos Mercado

Re: Occidental Permian Ltd
Well: Cedar Canyon 16 State #7H
Eddy County, New Mexico



Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Ben Hernandez MWD Supervisor	7H	3198' MD 13687' MD	4-17-2013 5-8-2013	Measurement While Drilling

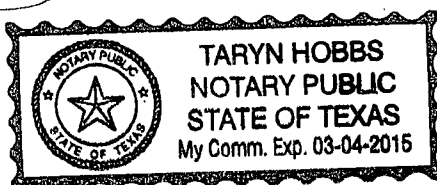
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
MWD Coordinator

On this, the 10th day of May, 2013, before me a notary public, the undersigned officer, personally appeared Jesus Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public



Cedar Canyon 16 State 7H MWD 0 to 3017' Survey Report

(Def Survey)

Report Date: August 27, 2013 - 04:16 PM
 Client: OXY
 Field: NM, Eddy Co (NAD27 EZ) 2012
 Structure / Slot: OXY (Cedar Canyon 16 State 7H) H&P 477 / Cedar Canyon 16 State 7H
 Well: Cedar Canyon 16 State 7H
 Borehole: Original Hole
 UWI / API#: NM-OXY-0061 / 30-015-41024
 Survey Name: Cedar Canyon 16 State 7H MWD 0 to 3017'
 Survey Date: April 20, 2013
 Tort / AHD / DDI / ERD Ratio: 15.359 * / 73.962 ft / 3.056 / 0.025
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 13' 4.44000", W 103° 58' 45.48000"
 Location Grid N/E Y/X: N 443171.580 ftUS, E 609488.422 ftUS
 CRS Grid Convergence Angle: 0.18875129 *
 Grid Scale Factor: 0.99992282
 Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 275.140 * (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: Unknown
 TVD Reference Elevation: 2952.500 ft above Unknown
 Seabed / Ground Elevation: 2926.000 ft above Unknown
 Magnetic Declination: 7.577 *
 Total Field Strength: 48357.322 nT
 Magnetic Dip Angle: 60.019 *
 Declination Date: April 20, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.189 *
 Total Corr Mag North->Grid North: 7.388 *
 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 ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	443171.58	609488.42	N 32 13 4.44	W 103 58 45.48
Assumed Vertical	335.00	0.00	0.00	335.00	0.00	0.00	0.00	0.00	443171.58	609488.42	N 32 13 4.44	W 103 58 45.48
First MWD Survey	398.00	0.22	69.31	398.00	-0.11	0.04	0.11	0.35	443171.62	609488.53	N 32 13 4.44	W 103 58 45.48
	490.00	0.10	70.39	490.00	-0.34	0.13	0.35	0.13	443171.71	609488.78	N 32 13 4.44	W 103 58 45.48
	583.00	0.40		583.00	-0.74	0.12	0.75	0.34	443171.70	609489.17	N 32 13 4.44	W 103 58 45.47
	676.00	0.50	57.39	676.00	-1.38	0.30	1.42	0.34	443171.88	609489.84	N 32 13 4.44	W 103 58 45.46
	769.00	0.22	51.60	768.99	-1.83	0.63	1.90	0.30	443172.21	609490.32	N 32 13 4.45	W 103 58 45.46
	829.00	0.40	20.10	828.99	-1.97	0.90	2.06	0.40	443172.48	609490.48	N 32 13 4.45	W 103 58 45.46
	919.00	0.62	14.59	918.99	-2.13	1.66	2.29	0.25	443173.24	609490.71	N 32 13 4.46	W 103 58 45.45
	979.00	0.40	310.99	978.99	-2.02	2.11	2.22	0.95	443173.69	609490.64	N 32 13 4.46	W 103 58 45.45
	1034.00	0.31	328.10	1033.99	-1.77	2.37	1.99	0.25	443173.95	609490.41	N 32 13 4.46	W 103 58 45.46
	1128.00	0.60	297.39	1127.98	-1.16	2.81	1.42	0.39	443174.39	609489.84	N 32 13 4.47	W 103 58 45.46
	1223.00	0.88	286.40	1222.98	0.01	3.24	0.28	0.33	443174.82	609488.70	N 32 13 4.47	W 103 58 45.48
	1317.00	0.80	283.79	1316.97	1.37	3.60	-1.05	0.09	443175.18	609487.37	N 32 13 4.48	W 103 58 45.49
	1412.00	1.19	298.39	1411.85	2.93	4.23	-2.56	0.49	443175.81	609485.86	N 32 13 4.48	W 103 58 45.51
	1506.00	0.90	289.10	1505.94	4.55	4.94	-4.12	0.36	443176.52	609484.30	N 32 13 4.49	W 103 58 45.53
	1601.00	1.10	250.27	1600.92	6.10	4.87	-5.68	0.73	443176.45	609482.74	N 32 13 4.49	W 103 58 45.55
	1695.00	1.20	238.19	1694.90	7.70	4.05	-7.37	0.28	443175.63	609481.05	N 32 13 4.48	W 103 58 45.57
	1790.00	0.40	201.98	1789.89	8.59	3.22	-8.34	0.96	443174.80	609480.08	N 32 13 4.47	W 103 58 45.58
	1884.00	0.30	170.49	1883.89	8.63	2.67	-8.42	0.23	443174.25	609480.00	N 32 13 4.47	W 103 58 45.58
	1979.00	0.31	148.98	1978.89	8.41	2.21	-8.25	0.12	443173.79	609480.18	N 32 13 4.46	W 103 58 45.58
	2073.00	0.20	357.49	2072.89	8.28	2.15	-8.12	0.53	443173.73	609480.30	N 32 13 4.46	W 103 58 45.57
	2168.00	0.70	104.90	2167.89	7.73	2.17	-7.57	0.82	443173.75	609480.85	N 32 13 4.46	W 103 58 45.57
	2262.00	2.80	105.19	2261.84	4.91	1.42	-4.80	2.23	443173.00	609483.62	N 32 13 4.45	W 103 58 45.54
	2357.00	3.21	109.60	2356.71	0.05	-0.08	-0.05	0.50	443171.50	609488.37	N 32 13 4.44	W 103 58 45.48
	2451.00	3.50	114.39	2450.55	-5.21	-2.15	5.04	0.43	443169.43	609493.46	N 32 13 4.42	W 103 58 45.42
	2546.00	4.70	127.27	2545.30	-11.25	-5.70	10.78	1.58	443165.88	609499.20	N 32 13 4.38	W 103 58 45.35
	2638.00	5.19	139.58	2636.96	-17.41	-11.15	16.48	1.27	443160.43	609504.90	N 32 13 4.33	W 103 58 45.29
	2733.00	5.14	141.51	2731.58	-23.41	-17.76	21.91	0.19	443153.82	609510.33	N 32 13 4.26	W 103 58 45.23
	2828.00	4.48	143.19	2826.24	-28.83	-24.06	26.78	0.71	443147.52	609515.20	N 32 13 4.20	W 103 58 45.17
	2923.00	3.52	140.98	2921.01	-33.34	-29.29	30.84	1.02	443142.29	609519.26	N 32 13 4.15	W 103 58 45.12
Final MWD Survey	3017.00	3.12	143.40	3014.85	-37.05	-33.59	34.18	0.45	443137.99	609522.60	N 32 13 4.11	W 103 58 45.08

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Survey Tool Type	Borehole / Survey
	0.000	26.500	1/26.500	SLB_BLIND+TREND-Depth Only	Original Hole / Cedar Canyon 16 State 7H MWD 0 to 3017'
	26.500	335.000	1/308.500	SLB_BLIND+TREND	Original Hole / Cedar Canyon 16 State 7H MWD 0 to 3017'
	335.000	335.000	Act Stns	SLB_BLIND+TREND	Original Hole / Cedar Canyon 16 State 7H MWD 0 to 3017'
	335.000	3017.000	1/2682.000	SLB_MWD-STD	Original Hole / Cedar Canyon 16 State 7H MWD 0 to 3017'



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 5/9/2013	Time: 09:37:19	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cedar Canyon 16 State #7H	
Site: Cedar Canyon 16 State #7H	Vertical (TVD) Reference:	SITE 2951.0	
Well: Cedar Canyon 16 State #7H	Section (VS) Reference:	Well (0.00N,0.00E,275.14Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Start Date:

Company: Engineer:
Tool: Tied-to:

Site: Cedar Canyon 16 State #7H

Site Position:	Northing: 443182.60 ft	Latitude: 32 13 4.549 N
From: Map	Easting: 609474.90 ft	Longitude: 103 58 45.637 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 2926.00 ft		Grid Convergence: 0.19 deg

Well: Cedar Canyon 16 State #7H **Slot Name:**

Well Position: +N/-S 0.00 ft	Northing: 443182.60 ft	Latitude: 32 13 4.549 N
+E/-W 0.00 ft	Easting: 609474.90 ft	Longitude: 103 58 45.637 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 4/19/2013	Above System Datum: Mean Sea Level
Field Strength: 48409 nT	Declination: 7.55 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.07 deg
ft	+N/-S
	+E/-W
	Direction
	deg
0.00	0.00 0.00 275.14

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	443182.60	609474.90	
335.00	0.00	0.00	335.00	0.00	0.00	0.00	0.00	443182.60	609474.90	
398.00	0.22	69.31	398.00	0.04	0.11	0.35	-0.11	443182.64	609475.01	
490.00	0.10	70.39	490.00	0.13	0.35	0.13	-0.34	443182.73	609475.25	
583.00	0.40	96.99	583.00	0.12	0.75	0.34	-0.74	443182.72	609475.65	
676.00	0.50	57.39	676.00	0.30	1.42	0.34	-1.38	443182.90	609476.32	
769.00	0.22	51.60	768.99	0.63	1.90	0.30	-1.83	443183.23	609476.80	
829.00	0.40	20.10	828.99	0.90	2.06	0.40	-1.97	443183.50	609476.96	
919.00	0.62	14.59	918.99	1.66	2.29	0.25	-2.13	443184.26	609477.19	
979.00	0.40	310.99	978.99	2.11	2.22	0.95	-2.02	443184.71	609477.12	
1034.00	0.31	328.10	1033.99	2.37	1.99	0.25	-1.77	443184.97	609476.89	
1128.00	0.60	297.39	1127.98	2.81	1.42	0.39	-1.16	443185.41	609476.32	
1223.00	0.88	286.40	1222.98	3.24	0.28	0.33	0.01	443185.84	609475.18	
1317.00	0.80	283.79	1316.97	3.60	-1.05	0.09	1.37	443186.20	609473.85	
1412.00	1.19	298.39	1411.95	4.23	-2.56	0.49	2.93	443186.83	609472.34	
1506.00	0.90	289.10	1505.94	4.94	-4.12	0.36	4.55	443187.54	609470.78	
1601.00	1.10	250.27	1600.92	4.87	-5.68	0.73	6.10	443187.47	609469.22	
1695.00	1.20	238.19	1694.90	4.05	-7.37	0.28	7.70	443186.65	609467.53	
1790.00	0.40	201.98	1789.89	3.22	-8.34	0.96	8.59	443185.82	609466.56	
1884.00	0.30	170.49	1883.89	2.67	-8.42	0.23	8.63	443185.27	609466.48	
1979.00	0.31	148.98	1978.89	2.21	-8.25	0.12	8.41	443184.81	609466.65	
2073.00	0.20	357.49	2072.89	2.15	-8.12	0.53	8.28	443184.75	609466.78	
2168.00	0.70	104.90	2167.89	2.17	-7.57	0.82	7.73	443184.77	609467.33	
2262.00	2.80	105.19	2261.84	1.42	-4.80	2.23	4.91	443184.02	609470.10	
2357.00	3.21	109.60	2356.71	-0.08	-0.05	0.50	0.05	443182.52	609474.85	
2451.00	3.50	114.39	2450.55	-2.15	5.04	0.43	-5.21	443180.45	609479.94	
2546.00	4.70	127.27	2545.30	-5.70	10.78	1.58	-11.25	443176.90	609485.68	
2638.00	5.19	139.58	2636.96	-11.15	16.48	1.27	-17.41	443171.45	609491.38	
2733.00	5.14	141.51	2731.58	-17.76	21.91	0.19	-23.41	443164.84	609496.81	
2828.00	4.48	143.19	2826.24	-24.06	26.78	0.71	-28.83	443158.54	609501.68	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 5/9/2013	Time: 09:37:19	Page: 2
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: Cedar Canyon 16 State #7H		
Site: Cedar Canyon 16 State #7H	Vertical (TVD) Reference: SITE 2951.0		
Well: Cedar Canyon 16 State #7H	Section (VS) Reference: Well (0.00N,0.00E,275.14Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
2923.00	3.52	140.98	2921.01	-29.29	30.84	1.02	-33.34	443153.31	609505.74	Tie on Extreme First Wft Svy
3017.00	3.12	143.40	3014.85	-33.59	34.18	0.45	-37.05	443149.01	609509.08	
3198.00	3.30	144.50	3195.57	-41.79	40.14	0.11	-43.73	443140.81	609515.04	
3388.00	2.20	152.67	3385.35	-49.48	45.00	0.61	-49.25	443133.12	609519.90	
3482.00	1.80	182.47	3479.29	-52.56	45.76	1.17	-50.28	443130.04	609520.66	
3577.00	1.49	222.81	3574.26	-54.95	44.86	1.23	-49.60	443127.65	609519.76	
3672.00	1.19	271.89	3669.23	-55.83	43.03	1.21	-47.86	443126.77	609517.93	
3766.00	1.10	279.41	3763.21	-55.65	41.17	0.19	-45.98	443126.95	609516.07	
3956.00	1.01	272.69	3953.18	-55.27	37.69	0.08	-42.49	443127.33	609512.59	
4144.00	0.88	269.79	4141.16	-55.20	34.59	0.07	-39.40	443127.40	609509.49	
4333.00	1.01	271.59	4330.13	-55.16	31.48	0.07	-36.29	443127.44	609506.38	
4522.00	0.79	271.10	4519.11	-55.09	28.51	0.12	-33.33	443127.51	609503.41	
4711.00	0.79	266.27	4708.09	-55.14	25.91	0.04	-30.74	443127.46	609500.81	
4900.00	0.79	267.81	4897.07	-55.28	23.31	0.01	-28.16	443127.32	609498.21	
5090.00	1.58	6.77	5087.04	-52.73	22.30	0.99	-26.94	443129.87	609497.20	
5279.00	1.32	44.39	5275.99	-48.58	24.13	0.51	-28.39	443134.02	609499.03	
5468.00	1.01	51.68	5464.95	-46.00	26.96	0.18	-30.98	443136.60	609501.86	
5657.00	0.88	51.20	5653.92	-44.05	29.40	0.07	-33.23	443138.55	609504.30	
5846.00	0.70	69.39	5842.90	-42.74	31.61	0.16	-35.32	443139.86	609506.51	
5941.00	0.62	72.21	5937.90	-42.38	32.65	0.09	-36.31	443140.22	609507.55	
6130.00	0.40	342.78	6126.89	-41.43	33.43	0.39	-37.00	443141.17	609508.33	
6319.00	0.48	321.68	6315.89	-40.18	32.74	0.09	-36.21	443142.42	609507.64	
6508.00	0.40	271.81	6504.88	-39.54	31.59	0.20	-35.00	443143.06	609506.49	
6697.00	0.40	231.38	6693.88	-39.93	30.41	0.15	-33.87	443142.67	609505.31	
6887.00	0.09	221.01	6883.88	-40.46	29.80	0.16	-33.30	443142.14	609504.70	
7076.00	1.10	274.09	7072.86	-40.44	27.89	0.55	-31.40	443142.16	609502.79	
7265.00	0.88	271.37	7261.84	-40.28	24.63	0.12	-28.14	443142.32	609499.53	
7454.00	1.32	199.69	7450.81	-42.29	22.45	0.71	-26.14	443140.31	609497.35	
7629.00	2.02	157.29	7625.74	-47.04	22.96	0.78	-27.08	443135.56	609497.86	
7662.00	2.23	149.73	7658.72	-48.13	23.51	1.06	-27.72	443134.47	609498.41	
7694.00	1.74	113.83	7690.70	-48.86	24.26	4.09	-28.54	443133.74	609499.16	
7725.00	2.16	47.67	7721.68	-48.66	25.13	6.96	-29.38	443133.94	609500.03	
7756.00	3.70	20.65	7752.64	-47.33	25.91	6.54	-30.05	443135.27	609500.81	
7783.00	4.27	3.93	7779.58	-45.51	26.29	4.77	-30.26	443137.09	609501.19	
7819.00	5.14	352.47	7815.46	-42.57	26.17	3.55	-29.88	443140.03	609501.07	
7850.00	6.15	358.70	7846.31	-39.54	25.95	3.81	-29.39	443143.06	609500.85	
7882.00	7.39	2.86	7878.08	-35.77	26.01	4.16	-29.11	443146.83	609500.91	
7913.00	9.78	11.71	7908.74	-31.20	26.65	8.79	-29.33	443151.40	609501.55	
7945.00	12.12	15.74	7940.15	-25.30	28.11	7.69	-30.26	443157.30	609503.01	
7977.00	14.91	17.15	7971.26	-18.13	30.23	8.78	-31.74	443164.47	609505.13	
8008.00	14.96	7.19	8001.22	-10.35	31.91	8.27	-32.71	443172.25	609506.81	
8040.00	13.48	357.17	8032.24	-2.53	32.24	8.96	-32.34	443180.07	609507.14	
8071.00	12.49	346.50	8062.46	4.34	31.28	8.35	-30.77	443186.94	609506.18	
8103.00	13.00	333.43	8093.67	10.93	28.87	9.13	-27.77	443193.53	609503.77	
8134.00	13.88	325.19	8123.83	17.10	25.18	6.79	-23.55	443199.70	609500.08	
8166.00	14.65	317.94	8154.84	23.26	20.28	6.07	-18.12	443205.86	609495.18	
8197.00	16.40	311.98	8184.71	29.10	14.40	7.63	-11.74	443211.70	609489.30	
8228.00	18.36	306.36	8214.30	34.92	7.21	8.32	-4.06	443217.52	609482.11	
8260.00	19.16	302.87	8244.60	40.76	-1.26	4.31	4.90	443223.36	609473.64	
8291.00	20.01	299.82	8273.80	46.15	-10.13	4.29	14.22	443228.75	609464.77	
8323.00	19.93	296.71	8303.88	51.33	-19.75	3.33	24.27	443233.93	609455.15	
8361.00	20.31	295.41	8339.56	57.07	-31.50	1.54	36.48	443239.67	609443.40	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 5/9/2013	Time: 09:37:19	Page: 3
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cedar Canyon 16 State #7H	
Site: Cedar Canyon 16 State #7H	Vertical (TVD) Reference:	SITE 2951.0	
Well: Cedar Canyon 16 State #7H	Section (VS) Reference:	Well (0.00N,0.00E,275.14Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8392.00	22.78	292.76	8368.40	61.70	-41.89	8.56	47.25	443244.30	609433.01	
8424.00	26.33	287.89	8397.50	66.28	-54.36	12.76	60.08	443248.88	609420.54	
8455.00	29.89	285.85	8424.84	70.50	-68.34	11.89	74.38	443253.10	609406.56	
8487.00	33.78	283.31	8452.02	74.73	-84.67	12.85	91.03	443257.33	609390.23	
8518.00	38.07	281.57	8477.12	78.63	-102.43	14.22	109.06	443261.23	609372.47	
8550.00	41.76	281.14	8501.66	82.67	-122.56	11.56	129.47	443265.27	609352.34	
8581.00	45.52	281.03	8524.09	86.78	-143.55	12.13	150.75	443269.38	609331.35	
8613.00	49.53	280.38	8545.69	91.16	-166.74	12.62	174.24	443273.76	609308.16	
8644.00	53.08	279.54	8565.07	95.34	-190.57	11.65	198.34	443277.94	609284.33	
8676.00	56.41	279.75	8583.54	99.72	-216.32	10.42	224.39	443282.32	609258.58	
8707.00	58.97	280.95	8600.11	104.43	-242.09	8.88	250.48	443287.03	609232.81	
8739.00	61.18	281.57	8616.07	109.85	-269.29	7.11	278.05	443292.45	609205.61	
8770.00	63.49	282.14	8630.46	115.49	-296.16	7.63	305.31	443298.09	609178.74	
8802.00	66.60	281.63	8643.96	121.46	-324.55	9.83	334.12	443304.06	609150.35	
8833.00	70.52	280.80	8655.29	127.07	-352.85	12.89	362.81	443309.67	609122.05	
8865.00	75.03	279.73	8664.77	132.51	-382.91	14.45	393.24	443315.11	609091.99	
8891.00	78.17	279.12	8670.79	136.65	-407.86	12.29	418.46	443319.25	609067.04	
8922.00	82.92	278.57	8675.88	141.35	-438.07	15.42	448.97	443323.95	609036.83	
8954.00	84.68	278.33	8679.34	146.03	-469.53	5.55	480.73	443328.63	609005.37	
8985.00	85.52	278.48	8681.99	150.54	-500.09	2.75	511.56	443333.14	608974.81	
9017.00	86.29	278.34	8684.27	155.21	-531.66	2.45	543.43	443337.81	608943.24	
9112.00	86.78	278.37	8690.01	168.99	-625.48	0.52	638.11	443351.59	608849.42	
9206.00	88.67	278.68	8693.74	182.91	-718.37	2.04	731.86	443365.51	608756.53	
9300.00	88.60	277.58	8695.98	196.20	-811.39	1.17	825.71	443378.80	608663.51	
9395.00	88.04	278.25	8698.77	209.28	-905.45	0.92	920.55	443391.88	608569.45	
9489.00	90.63	276.99	8699.86	221.74	-998.60	3.06	1014.45	443404.34	608476.30	
9584.00	90.91	276.33	8698.58	232.76	-1092.95	0.75	1109.41	443415.36	608381.95	
9679.00	90.98	276.45	8697.02	243.33	-1187.35	0.15	1204.37	443425.93	608287.55	
9773.00	89.86	273.67	8696.33	251.62	-1280.97	3.19	1298.36	443434.22	608193.93	
9868.00	89.44	273.10	8696.91	257.23	-1375.80	0.75	1393.31	443439.83	608099.10	
9962.00	90.77	274.26	8696.73	263.26	-1469.60	1.88	1487.28	443445.86	608005.30	
10057.00	91.12	275.37	8695.17	271.23	-1564.25	1.22	1582.26	443453.83	607910.65	
10151.00	91.61	275.57	8692.93	280.19	-1657.80	0.56	1676.23	443462.79	607817.10	
10246.00	90.91	274.18	8690.84	288.26	-1752.43	1.64	1771.21	443470.86	607722.47	
10340.00	91.05	273.76	8689.23	294.77	-1846.19	0.47	1865.17	443477.37	607628.71	
10435.00	91.40	274.38	8687.20	301.51	-1940.93	0.75	1960.13	443484.11	607533.97	
10524.00	89.72	272.26	8686.33	306.66	-2029.77	3.04	2049.08	443489.26	607445.13	
10624.00	89.93	272.47	8686.64	310.79	-2129.68	0.30	2148.96	443493.39	607345.22	
10719.00	89.58	271.37	8687.04	313.97	-2224.62	1.22	2243.81	443496.57	607250.28	
10813.00	89.72	271.45	8687.62	316.28	-2318.59	0.17	2337.61	443498.88	607156.31	
10908.00	91.75	272.34	8686.40	319.43	-2413.53	2.33	2432.44	443502.03	607061.37	
11003.00	91.82	272.79	8683.44	323.67	-2508.39	0.48	2527.30	443506.27	606966.51	
11097.00	91.05	271.61	8681.08	327.28	-2602.29	1.50	2621.14	443509.88	606872.61	
11191.00	90.77	270.80	8679.59	329.26	-2696.25	0.91	2714.91	443511.86	606778.65	
11286.00	92.45	270.23	8676.92	330.11	-2791.21	1.87	2809.56	443512.71	606683.69	
11380.00	92.31	270.51	8673.02	330.72	-2885.12	0.33	2903.15	443513.32	606589.78	
11475.00	92.10	270.62	8669.36	331.65	-2980.05	0.25	2997.78	443514.25	606494.85	
11570.00	92.31	271.00	8665.71	333.00	-3074.97	0.46	3092.44	443515.60	606399.93	
11664.00	92.52	271.03	8661.75	334.66	-3168.87	0.23	3186.11	443517.26	606306.03	
11758.00	92.73	271.22	8657.44	336.50	-3262.75	0.30	3279.78	443519.10	606212.15	
11853.00	93.29	271.19	8652.45	338.50	-3357.60	0.59	3374.43	443521.10	606117.30	
11947.00	91.82	272.12	8648.26	341.21	-3451.47	1.85	3468.16	443523.81	606023.43	
12042.00	91.05	273.27	8645.89	345.68	-3546.33	1.46	3563.04	443528.28	605928.57	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 5/9/2013	Time: 09:37:19	Page: 4
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cedar Canyon 16 State #7H	
Site: Cedar Canyon 16 State #7H	Vertical (TVD) Reference:	SITE 2951.0	
Well: Cedar Canyon 16 State #7H	Section (VS) Reference:	Well (0.00N,0.00E,275.14Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
12137.00	89.79	272.40	8645.19	350.37	-3641.21	1.61	3657.95	443532.97	605833.69	
12231.00	88.39	273.42	8646.68	355.15	-3735.07	1.84	3751.87	443537.75	605739.83	
12326.00	87.97	273.34	8649.70	360.74	-3829.86	0.45	3846.77	443543.34	605645.04	
12420.00	88.11	273.58	8652.91	366.41	-3923.63	0.30	3940.68	443549.01	605551.27	
12515.00	88.81	274.31	8655.47	372.95	-4018.37	1.06	4035.62	443555.55	605456.53	
12609.00	89.30	274.01	8657.02	379.77	-4112.11	0.61	4129.60	443562.37	605362.79	
12704.00	90.35	273.70	8657.31	386.15	-4206.89	1.15	4224.57	443568.75	605268.01	
12798.00	90.49	273.45	8656.62	392.01	-4300.71	0.30	4318.53	443574.61	605174.19	
12892.00	90.07	273.04	8656.16	397.33	-4394.55	0.62	4412.48	443579.93	605080.35	
12987.00	89.65	273.13	8656.39	402.45	-4489.42	0.45	4507.42	443585.05	604985.48	
13082.00	89.86	272.34	8656.80	406.98	-4584.31	0.86	4602.33	443589.58	604890.59	
13176.00	90.42	272.17	8656.57	410.68	-4678.23	0.62	4696.21	443593.28	604796.67	
13271.00	91.26	272.63	8655.18	414.66	-4773.14	1.01	4791.09	443597.26	604701.76	
13364.00	91.75	274.64	8652.73	420.55	-4865.91	2.22	4884.02	443603.15	604608.99	
13459.00	90.91	273.69	8650.53	427.45	-4960.64	1.33	4978.98	443610.05	604514.26	
13553.00	91.19	273.83	8648.80	433.61	-5054.42	0.33	5072.94	443616.21	604420.48	
13648.00	91.40	273.71	8646.66	439.86	-5149.19	0.25	5167.89	443622.46	604325.71	
13687.00	91.61	273.74	8645.63	442.39	-5188.09	0.54	5206.86	443624.99	604286.81	Last Wft Svy Proj. to Bit
13762.00	91.61	273.74	8643.53	447.28	-5262.90	0.00	5281.81	443629.88	604212.00	
13774.23	91.61	273.74	8643.18	448.08	-5275.11	0.00	5294.04	443630.68	604199.79	

Annotation

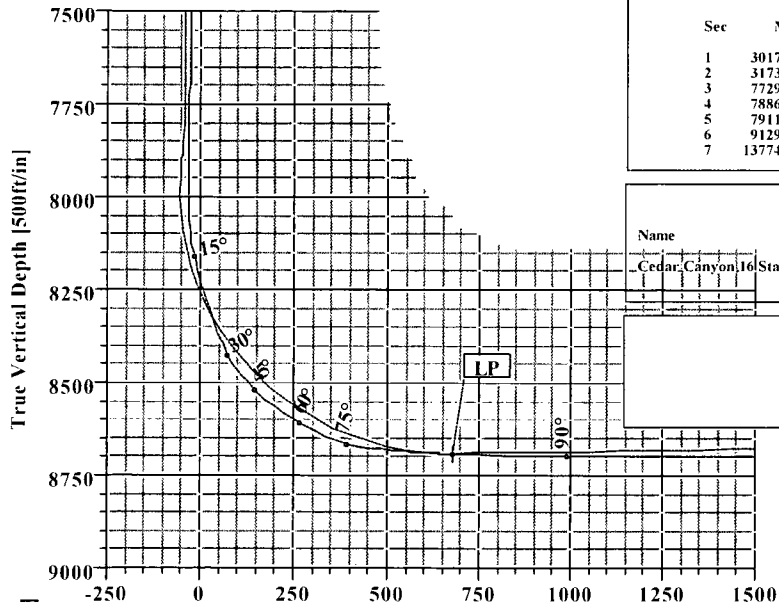
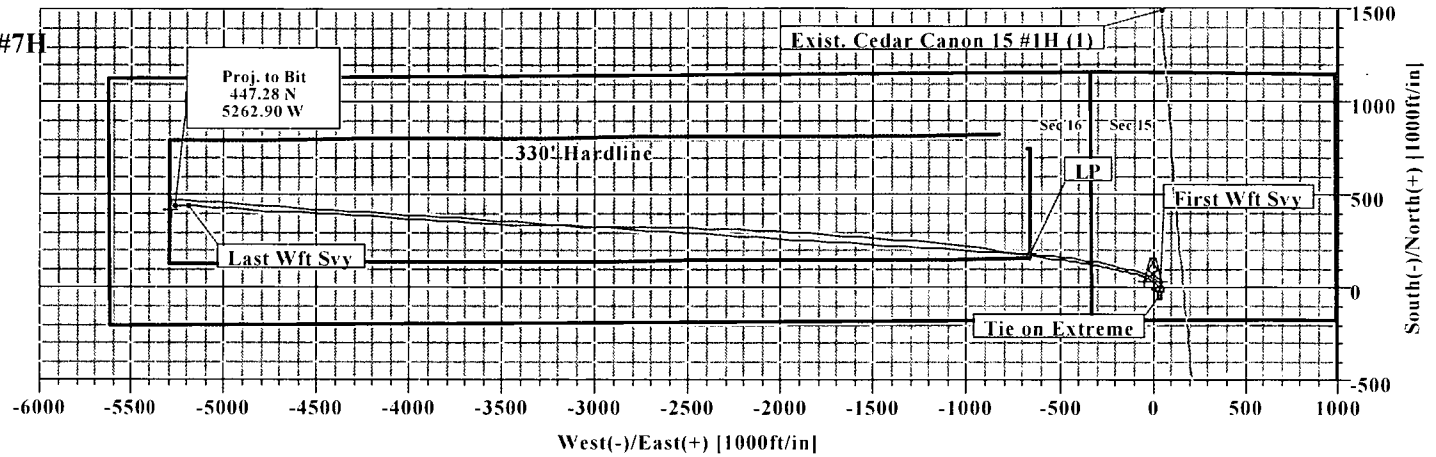
MD ft	TVD ft	
3017.00	3014.85	Tie on Extreme
3198.00	3195.57	First Wft Svy
13687.00	8645.63	Last Wft Svy
13762.00	8643.53	Proj. to Bit



Cedar Canyon 16 State #7H
Eddy Co, NM



KB ELEV: 2951
GL ELEV: 2926



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	3017.00	3.12	143.40	3014.85	-33.59	34.18	0.00	0.00	-37.05	
2	3173.00	0.00	0.00	3170.78	-37.00	36.71	2.00	180.00	-39.88	
3	7729.23	0.00	0.00	7727.01	-37.00	36.71	0.00	0.00	-39.88	
4	7886.37	12.57	35.25	7882.89	-22.98	46.62	8.00	0.00	-48.49	
5	7911.81	12.57	35.25	7907.72	-18.45	49.82	0.00	0.00	-51.27	
6	9129.20	90.86	273.67	8691.00	178.67	-661.14	8.00	-120.79	674.49	LP
7	13774.23	90.86	273.67	8621.00	476.30	-5296.10	0.00	0.00	5317.47	PBHL

SITE DETAILS

Cedar Canyon 16 State #7H
Site Centre Northing: 443182.60
Easting: 609474.90
Ground Level: 2926.00
Positional Uncertainty: 0.00
Convergence: 0.19

WELL DETAILS

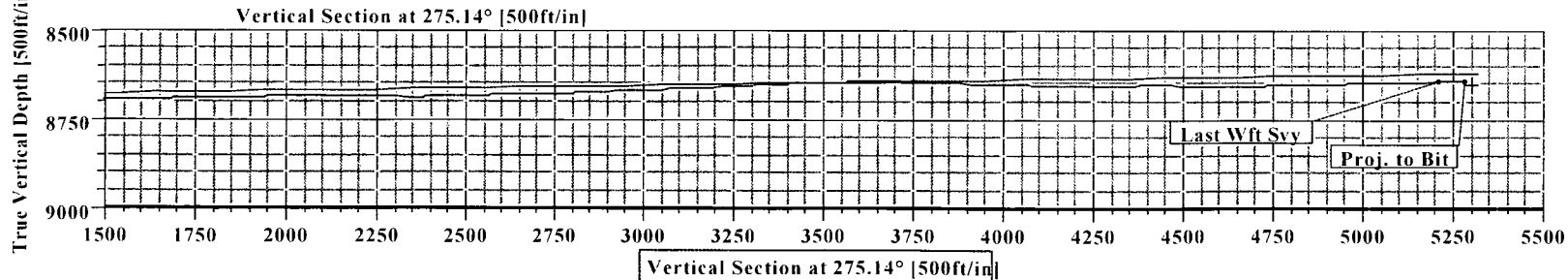
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Cedar Canyon 16 State #7H	0.00	0.00	443182.60	609474.90	32°13'04.549N	103°58'45.637W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8652.73	420.55	-5286.07	443603.15	604188.83	Point
LP	8691.00	178.67	-661.14	443361.27	608813.76	Point

Survey: Wft Svy (Cedar Canyon 16 State #7H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
123	13762.00	91.61	273.74	8643.53	447.28	-5262.90	0.00	0.00	5281.81



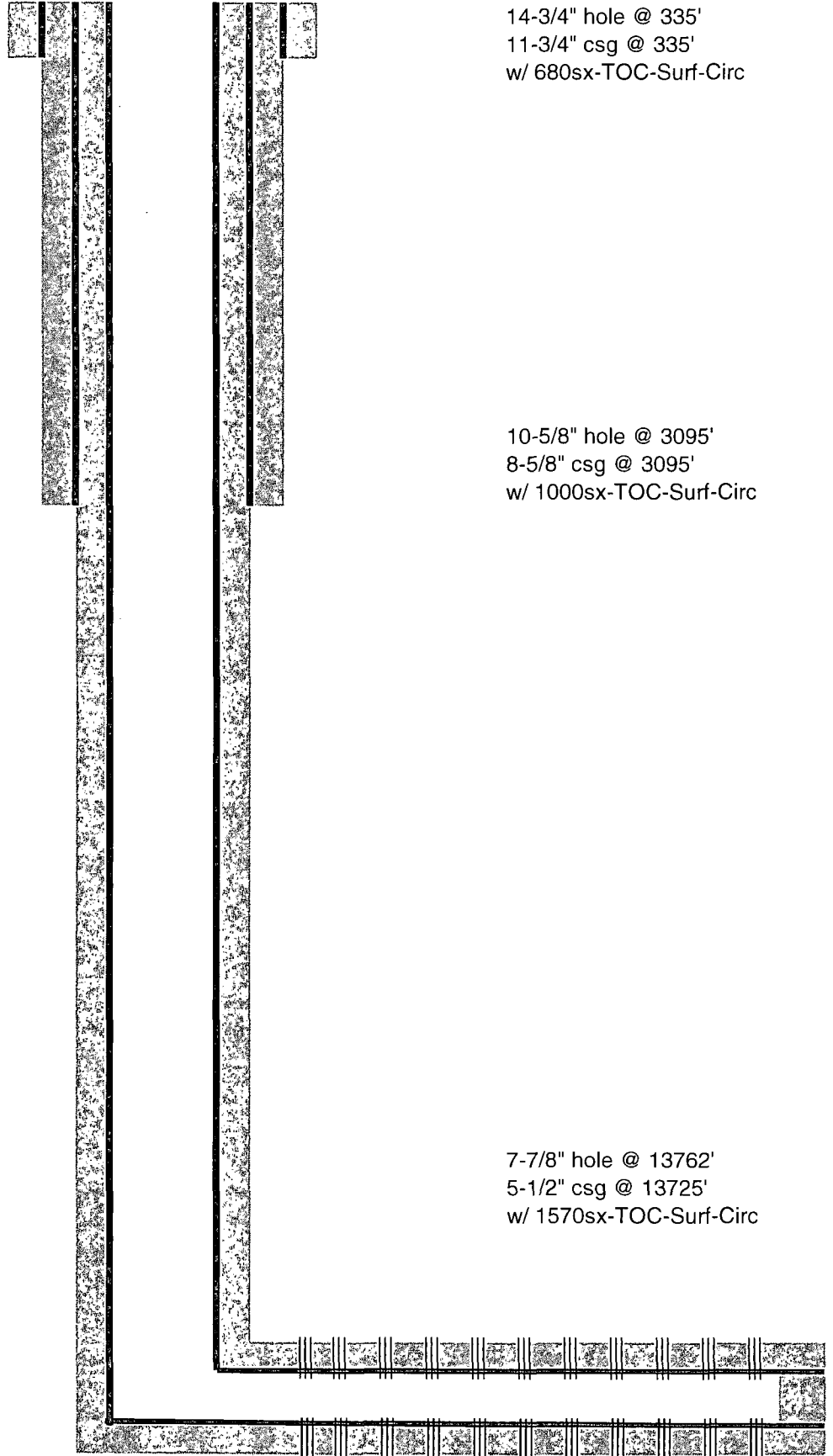
Weatherford

Survey: Wft Svy (Cedar Canyon 16 State #7H/1)

Created By: Patrick Rudolph

Date: 5/8/2013

OXY USA Inc.
Cedar Canyon 16 State #7H
API No. 30-015-41251



14-3/4" hole @ 335'
11-3/4" csg @ 335'
w/ 680sx-TOC-Surf-Circ

10-5/8" hole @ 3095'
8-5/8" csg @ 3095'
w/ 1000sx-TOC-Surf-Circ

7-7/8" hole @ 13762'
5-1/2" csg @ 13725'
w/ 1570sx-TOC-Surf-Circ

Perfs @ 9200-13680'

TD - 13762'M 8644'V
PB - 13641'M 8646'V