



Weatherford®

Evaluation, Drilling & Intervention

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30.015.41291

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

Date: June 4, 2013

Attention: Carlos Mercado

Re: Occidental Permian Ltd
Well: Cedar Canyon 15 Fee #4H
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:

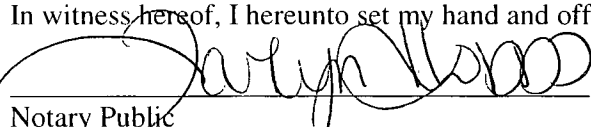
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Ben Hernandez MWD Supervisor	2H	3161' MD 13033' MD	5-15-2013 6-3-2013	Measurement While Drilling

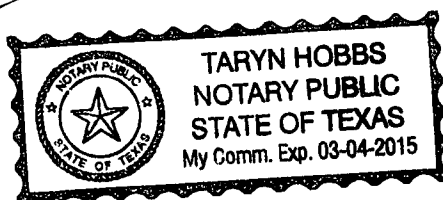
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesus Aguilar
MWD Coordinator

On this, the 10th day of June, 20 13, 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.

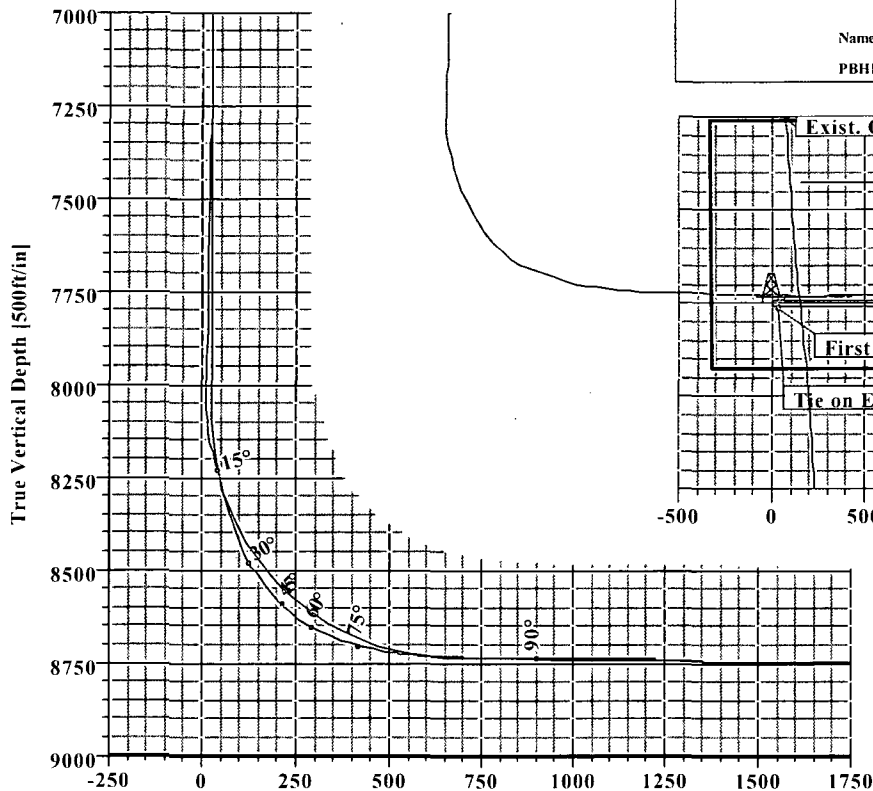

Notary Public



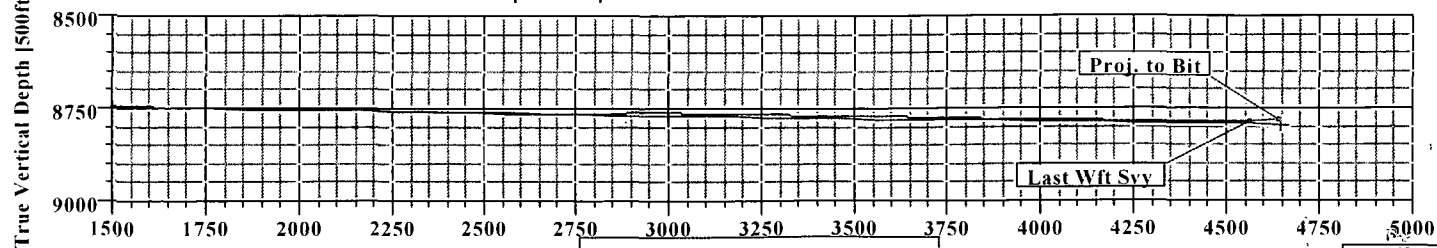


Cedar Canyon 15 Fee #4H Eddy Co, NM

KB ELEV: 2951
GL ELEV: 2926



Vertical Section at 89.87° [500ft/in]



Vertical Section at 89.87° [500ft/in]

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	3036.00	1.80	139.58	3035.13	-20.06	32.18	0.00	0.00	32.13	
2	3268.12	3.00	350.00	3267.16	-16.85	33.49	2.00	199.11	33.45	
3	3760.42	3.00	350.00	3758.79	8.53	29.01	0.00	0.00	29.03	
4	4060.42	0.00	0.00	4058.65	16.26	27.65	1.00	180.00	27.69	
5	8100.22	0.00	0.00	8098.45	16.26	27.65	0.00	0.00	27.69	
6	9090.65	89.14	90.00	8735.00	16.26	654.69	9.00	90.00	654.73	
7	13079.70	89.14	90.00	8795.00	16.26	4643.30	0.00	0.00	4643.32	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Cedar Canyon 15 Fee #4H	0.00	0.00	443357.50	609473.70	32°13'06.280N	103°58'45.644W	N/A

TARGET DETAILS

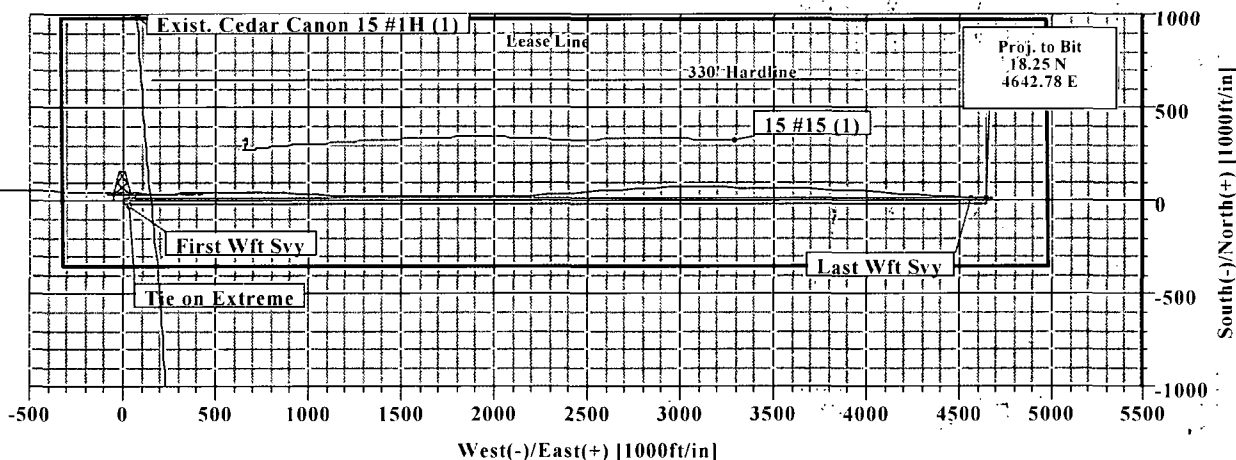
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8795.00	16.26	4643.30	443373.76	614117.00	Point

SITE DETAILS

Cedar Canyon 15 Fee #4H
Site Centre Northing: 443357.50
Easting: 609473.70
Ground Level: 2926.00
Positional Uncertainty: 0.00
Convergence: 0.19

LEGEND

- Cedar Canyon 15 Fee #4H.1 Plan #2
- Exist. Cedar Canon 15 #1H (1)
- 15 #15 (1)
- 1
- Wft Svy



Survey: Wft Svy (Cedar Canyon 15 Fee #4H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
114	13111.00	92.10	91.07	8782.70	18.25	4642.78	0.00	180.00	4642.81



Weatherford

Survey: Wft Svy (Cedar Canyon 15 Fee #4H/1)

Created By: Patrick Rudolph

Date: 6/4/2013

Cedar Canyon 15 #4H MWD 0' to 3036" Survey Report

(Def Survey)

Report Date: August 27, 2013 - 04:01 PM
 Client: OXY
 Field: NM, Lea (NAD27) 2011
 Structure / Slot: OXY (Cedar Canyon 15 #4H) H&P 477 / Cedar Canyon 15 #4H
 Well: Cedar Canyon 15 #4H
 Borehole: Original Hole
 UWI / API#: Unknown / 30-015-41291
 Survey Name: Cedar Canyon 15 #4H MWD 0' to 3036"
 Survey Date: May 17, 2013
 Tort / AHD / DDI / ERD Ratio: 10.899 * / 52.125 ft / 2.755 / 0.017
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 13' 5.16000", W 103° 58' 45.48000"
 Location Grid N/E Y/X: N 443244.334 ftUS, E 609488.182 ftUS
 CRS Grid Convergence Angle: 0.18875234 °
 Grid Scale Factor: 0.99992282

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 180.000 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 2951.000 ft above MSL
 Seabed / Ground Elevation: 2926.000 ft above MSL
 Magnetic Declination: 7.567 °
 Total Field Strength: 48348.031 nT
 Magnetic Dip Angle: 60.017 °
 Declination Date: May 17, 2013
 Magnetic Declination Model: BCGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.189 °
 Total Corr Mag North->Grid North: 7.378 °
 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	443244.33	609488.18	N 32 13 5.16	W 103 58 45.48
Begin MWD Surveys	470.00	0.44	122.63	470.00	0.97	-0.97	1.52	0.09	443243.36	609489.70	N 32 13 5.15	W 103 58 45.46
	566.00	0.48	133.38	565.99	1.45	-1.45	2.12	0.10	443242.89	609490.30	N 32 13 5.15	W 103 58 45.46
	654.00	0.62	118.35	653.99	1.93	-1.93	2.81	0.23	443242.41	609490.99	N 32 13 5.14	W 103 58 45.45
	835.00	0.40	94.27	834.98	2.44	-2.44	4.30	0.17	443241.90	609492.48	N 32 13 5.14	W 103 58 45.43
	1019.00	0.48	177.77	1018.98	3.26	-3.26	4.97	0.32	443241.08	609493.15	N 32 13 5.13	W 103 58 45.42
	1205.00	0.79	262.19	1204.97	4.21	-4.21	3.73	0.48	443240.12	609491.91	N 32 13 5.12	W 103 58 45.44
	1394.00	0.88	288.69	1393.95	3.92	-3.92	1.07	0.21	443240.41	609489.25	N 32 13 5.12	W 103 58 45.47
	1583.00	0.31	176.36	1582.94	3.97	-3.97	-0.28	0.55	443240.37	609487.91	N 32 13 5.12	W 103 58 45.48
	1775.00	0.22	81.09	1774.94	4.43	-4.43	0.12	0.21	443239.91	609488.30	N 32 13 5.12	W 103 58 45.48
	1964.00	0.22	51.69	1963.94	4.15	-4.15	0.76	0.06	443240.19	609488.95	N 32 13 5.12	W 103 58 45.47
	2153.00	1.01	56.87	2152.93	3.01	-3.01	2.44	0.42	443241.32	609490.63	N 32 13 5.13	W 103 58 45.45
	2342.00	2.42	91.99	2341.84	2.24	-2.24	7.83	0.90	443242.09	609496.01	N 32 13 5.14	W 103 58 45.39
	2531.00	2.68	118.57	2530.66	4.49	-4.49	15.70	0.63	443239.84	609503.88	N 32 13 5.12	W 103 58 45.30
	2720.00	3.30	137.95	2719.41	10.64	-10.64	23.22	0.62	443233.69	609511.40	N 32 13 5.05	W 103 58 45.21
	2909.00	2.02	133.78	2908.20	16.99	-16.99	29.27	0.68	443227.35	609517.45	N 32 13 4.99	W 103 58 45.14
End MWD Surveys	3036.00	1.80	139.58	3035.13	20.06	-20.06	32.18	0.23	443224.28	609520.36	N 32 13 4.96	W 103 58 45.11

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	25.000	1/25.000	SLB_MWD-STD-Depth Only	Original Hole / Cedar Canyon 15 #4H MWD 0' to 3036"
	25.000	470.000	1/98.425	SLB_MWD-STD	Original Hole / Cedar Canyon 15 #4H MWD 0' to 3036"
	470.000	3036.000	1/2566.000	SLB_MWD-STD	Original Hole / Cedar Canyon 15 #4H MWD 0' to 3036"



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 6/4/2013	Time: 08:38:06	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cedar Canyon 15 Fee #4H, Grid Nort	
Site: Cedar Canyon 15 Fee #4H	Vertical (TVD) Reference:	SITE 2951.0	
Well: Cedar Canyon 15 Fee #4H	Section (VS) Reference:	Well (0.00N,0.00E,89.87Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Wft Svy	Start Date: 5/20/2013
Company: Weatherford International Ltd.	Engineer: Patrick Rudolph
Tool: MWD;MWD - Standard	Tied-to: From: Extreme Svy

Site: Cedar Canyon 15 Fee #4H

Site Position:	Northing: 443357.50 ft	Latitude: 32 13 6.280 N
From: Map	Easting: 609473.70 ft	Longitude: 103 58 45.644 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 2926.00 ft		Grid Convergence: 0.19 deg

Well: Cedar Canyon 15 Fee #4H

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 443357.50 ft	Latitude: 32 13 6.280 N
+E/-W 0.00 ft	Easting: 609473.70 ft	Longitude: 103 58 45.644 W
Position Uncertainty: 0.00 ft		

Wellpath: 1

Current Datum: SITE	Height 2951.00 ft	Drilled From: Surface	Tie-on Depth: 0.00 ft
Magnetic Data: 5/15/2013		Above System Datum: Mean Sea Level	
Field Strength: 48402 nT		Declination: 7.54 deg	
Vertical Section: Depth From (TVD)	+N/-S ft	Mag Dip Angle: 60.06 deg	Direction deg
0.00	0.00	0.00	89.87

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
3036.00	1.80	139.58	3035.13	-20.06	32.18	0.00	32.13	443337.44	609505.88	Tie on Extreme
3115.00	1.69	138.61	3114.09	-21.88	33.75	0.14	33.70	443335.62	609507.45	Csg
3161.00	1.63	137.98	3160.07	-22.87	34.64	0.14	34.59	443334.63	609508.34	First Wft Svy
3224.00	1.21	105.82	3223.06	-23.72	35.88	1.40	35.83	443333.78	609509.58	
3319.00	1.19	63.50	3318.04	-23.55	37.73	0.91	37.67	443333.95	609511.43	
3413.00	1.49	11.10	3412.01	-21.92	38.84	1.29	38.79	443335.58	609512.54	
3508.00	1.89	355.73	3506.97	-19.14	38.96	0.63	38.91	443338.36	609512.66	
3603.00	2.43	346.28	3601.91	-15.62	38.36	0.68	38.33	443341.88	609512.06	
3698.00	2.60	343.51	3696.81	-11.60	37.27	0.22	37.25	443345.90	609510.97	
3792.00	2.51	350.64	3790.72	-7.53	36.33	0.35	36.32	443349.97	609510.03	
3887.00	2.55	344.77	3885.63	-3.43	35.44	0.28	35.43	443354.07	609509.14	
3981.00	2.23	347.37	3979.55	0.37	34.49	0.36	34.49	443357.87	609508.19	
4076.00	2.38	345.29	4074.47	4.08	33.59	0.18	33.60	443361.58	609507.29	
4170.00	2.38	341.58	4168.39	7.82	32.47	0.16	32.49	443365.32	609506.17	
4265.00	2.29	347.98	4263.31	11.55	31.46	0.29	31.48	443369.05	609505.16	
4360.00	1.66	346.39	4358.25	14.74	30.74	0.67	30.77	443372.24	609504.44	
4454.00	0.90	347.29	4452.23	16.78	30.25	0.81	30.29	443374.28	609503.95	
4549.00	0.78	342.65	4547.22	18.13	29.90	0.15	29.94	443375.63	609503.60	
4643.00	0.36	28.44	4641.21	19.00	29.85	0.63	29.89	443376.50	609503.55	
4832.00	0.25	132.12	4830.21	19.24	30.44	0.26	30.48	443376.74	609504.14	
5021.00	0.22	196.57	5019.21	18.62	30.64	0.13	30.68	443376.12	609504.34	
5210.00	0.35	139.54	5208.21	17.83	30.91	0.16	30.95	443375.33	609504.61	
5399.00	0.35	211.02	5397.21	16.90	30.99	0.22	31.02	443374.40	609504.69	
5589.00	0.38	233.84	5587.20	16.03	30.18	0.08	30.22	443373.53	609503.88	
5778.00	0.50	195.10	5776.20	14.86	29.46	0.17	29.49	443372.36	609503.16	
5967.00	0.35	175.61	5965.19	13.49	29.29	0.11	29.32	443370.99	609502.99	
6156.00	0.38	185.11	6154.19	12.29	29.28	0.04	29.30	443369.79	609502.98	
6345.00	0.51	223.97	6343.18	11.06	28.64	0.17	28.66	443368.56	609502.34	
6534.00	0.40	193.65	6532.18	9.82	27.90	0.14	27.92	443367.32	609501.60	
6723.00	0.66	196.14	6721.17	8.13	27.44	0.14	27.46	443365.63	609501.14	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 6/4/2013	Time: 08:38:06	Page: 2
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cedar Canyon 15 Fee #4H, Grid Nort	
Site: Cedar Canyon 15 Fee #4H	Vertical (TVD) Reference:	SITE 2951.0	
Well: Cedar Canyon 15 Fee #4H	Section (VS) Reference:	Well (0.00N,0.00E,89.87Azi)	
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
6912.00	0.49	358.46	6910.17	7.89	27.11	0.60	27.13	443365.39	609500.81	
7101.00	1.02	337.29	7099.15	10.25	26.44	0.31	26.47	443367.75	609500.14	
7290.00	0.88	270.25	7288.13	11.81	24.34	0.56	24.37	443369.31	609498.04	
7479.00	1.40	277.83	7477.09	12.13	20.60	0.29	20.63	443369.63	609494.30	
7668.00	1.38	314.26	7666.04	14.03	16.69	0.46	16.72	443371.53	609490.39	
7857.00	1.31	298.91	7854.99	16.67	13.16	0.19	13.20	443374.17	609486.86	
7938.00	1.38	278.81	7935.96	17.26	11.39	0.59	11.43	443374.76	609485.09	
7971.00	1.30	279.44	7968.96	17.39	10.63	0.25	10.67	443374.89	609484.33	
8002.00	0.41	328.80	7999.95	17.54	10.22	3.48	10.26	443375.04	609483.92	
8034.00	1.99	47.33	8031.95	18.01	10.57	6.09	10.61	443375.51	609484.27	
8065.00	3.42	69.72	8062.91	18.70	11.84	5.65	11.88	443376.20	609485.54	
8097.00	4.99	81.66	8094.82	19.23	14.11	5.59	14.15	443376.73	609487.81	
8128.00	8.04	80.20	8125.62	19.80	17.58	9.85	17.62	443377.30	609491.28	
8160.00	10.93	78.95	8157.18	20.76	22.76	9.05	22.81	443378.26	609496.46	
8191.00	13.44	77.72	8187.48	22.09	29.17	8.14	29.22	443379.59	609502.87	
8223.00	14.15	74.05	8218.56	23.95	36.56	3.52	36.62	443381.45	609510.26	
8254.00	16.26	73.51	8248.47	26.23	44.37	6.82	44.43	443383.73	609518.07	
8286.00	17.45	76.03	8279.09	28.66	53.32	4.36	53.39	443386.16	609527.02	
8317.00	17.70	75.37	8308.65	30.97	62.39	1.03	62.46	443388.47	609536.09	
8354.00	17.75	76.77	8343.89	33.68	73.32	1.16	73.40	443391.18	609547.02	
8385.00	17.51	79.72	8373.44	35.60	82.51	2.98	82.59	443393.10	609556.21	
8417.00	19.48	83.53	8403.78	37.06	92.55	7.22	92.64	443394.56	609566.25	
8448.00	22.73	91.52	8432.71	37.48	103.68	13.98	103.77	443394.98	609577.38	
8480.00	26.82	96.24	8461.76	36.53	117.04	14.19	117.13	443394.03	609590.74	
8512.00	31.74	97.24	8489.66	34.68	132.58	15.45	132.66	443392.18	609606.28	
8543.00	35.07	93.75	8515.54	33.07	149.56	12.40	149.64	443390.57	609623.26	
8575.00	37.54	90.96	8541.33	32.31	168.49	9.28	168.56	443389.81	609642.19	
8606.00	40.90	88.24	8565.34	32.46	188.08	12.17	188.16	443389.96	609661.78	
8638.00	44.53	86.71	8588.85	33.43	209.76	11.80	209.84	443390.93	609683.46	
8669.00	48.52	85.13	8610.17	35.04	232.20	13.39	232.27	443392.54	609705.90	
8701.00	53.63	84.35	8630.27	37.33	256.98	16.08	257.06	443394.83	609730.68	
8732.00	58.47	83.65	8647.58	40.02	282.54	15.72	282.63	443397.52	609756.24	
8764.00	62.91	83.82	8663.24	43.06	310.27	13.88	310.37	443400.56	609783.97	
8795.00	67.03	84.93	8676.36	45.81	338.22	13.68	338.32	443403.31	609811.92	
8827.00	70.33	86.26	8687.99	48.09	367.94	11.02	368.04	443405.59	609841.64	
8858.00	73.26	88.12	8697.67	49.53	397.35	11.04	397.46	443407.03	609871.05	
8890.00	75.78	90.01	8706.21	50.03	428.18	9.72	428.29	443407.53	609901.88	
8921.00	78.51	91.81	8713.11	49.55	458.39	10.47	458.50	443407.05	609932.09	
8953.00	80.66	91.46	8718.90	48.65	489.85	6.80	489.96	443406.15	609963.55	
8984.00	82.00	90.85	8723.57	48.04	520.49	4.74	520.60	443405.54	609994.19	
9047.00	86.92	90.30	8729.65	47.41	583.17	7.86	583.28	443404.91	610056.87	
9142.00	88.25	90.49	8733.65	46.75	678.08	1.41	678.19	443404.25	610151.78	
9237.00	89.58	90.81	8735.45	45.68	773.06	1.44	773.16	443403.18	610246.76	
9331.00	89.51	92.10	8736.20	43.29	867.02	1.37	867.12	443400.79	610340.72	
9426.00	90.84	93.42	8735.91	38.72	961.91	1.97	961.99	443396.22	610435.61	
9520.00	89.79	94.28	8735.39	32.40	1055.69	1.44	1055.76	443389.90	610529.39	
9615.00	88.46	91.30	8736.84	27.78	1150.55	3.43	1150.61	443385.28	610624.25	
9710.00	86.99	90.04	8740.61	26.67	1245.47	2.04	1245.53	443384.17	610719.17	
9804.00	88.32	89.85	8744.46	26.76	1339.39	1.43	1339.44	443384.26	610813.09	
9899.00	89.93	89.36	8745.91	27.42	1434.37	1.77	1434.43	443384.92	610908.07	
9993.00	89.72	89.42	8746.20	28.42	1528.36	0.23	1528.43	443385.92	611002.06	
10088.00	88.60	89.37	8747.59	29.42	1623.35	1.18	1623.41	443386.92	611097.05	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 6/4/2013	Time: 08:38:06	Page: 3
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: Cedar Canyon 15 Fee #4H, Grid Nort		
Site: Cedar Canyon 15 Fee #4H	Vertical (TVD) Reference: SITE 2951.0		
Well: Cedar Canyon 15 Fee #4H	Section (VS) Reference: Well (0.00N,0.00E,89.87Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

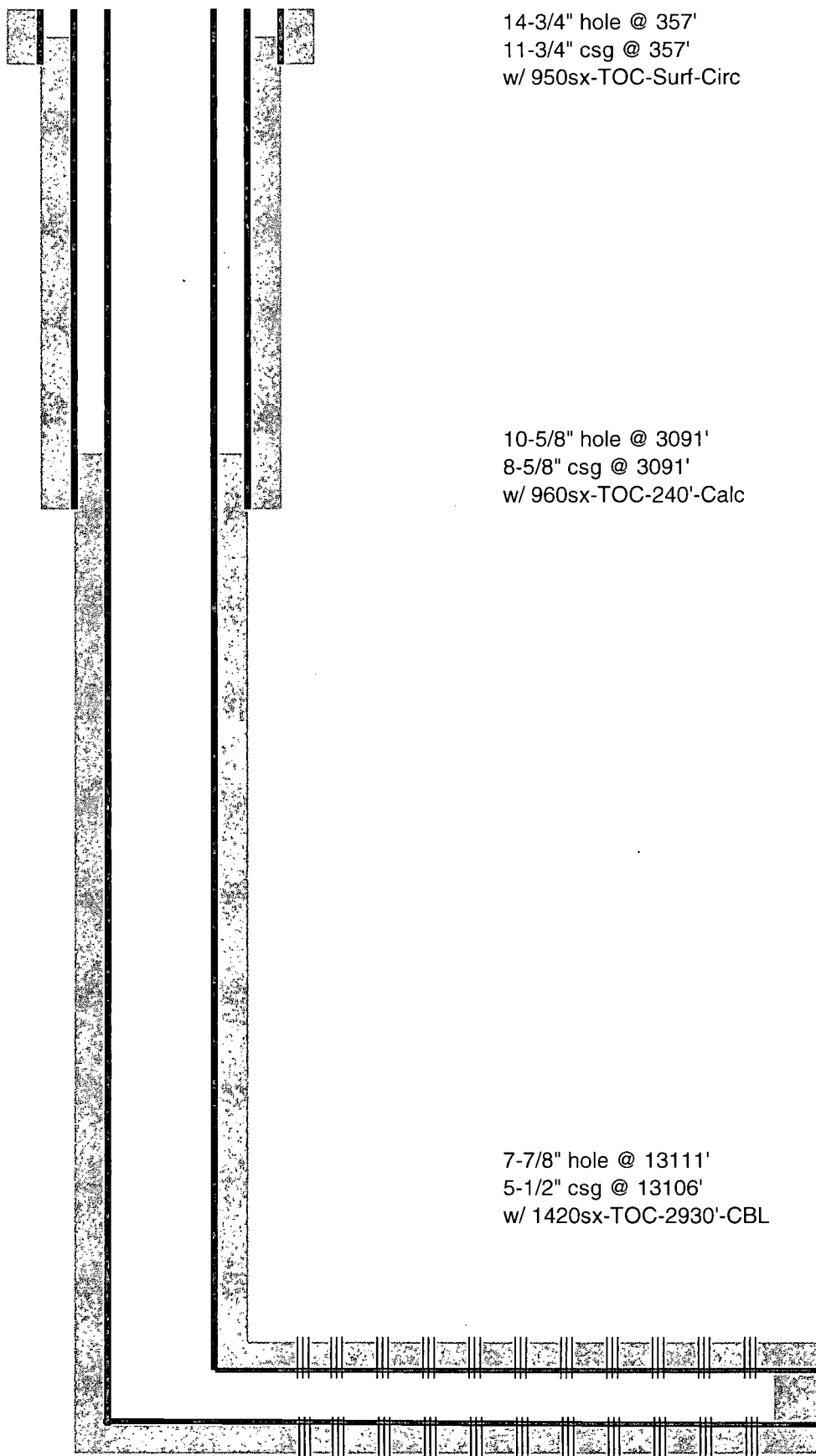
Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
10182.00	89.65	89.23	8749.02	30.57	1717.33	1.13	1717.39	443388.07	611191.03	
10277.00	88.95	90.10	8750.19	31.12	1812.32	1.18	1812.38	443388.62	611286.02	
10372.00	89.65	89.87	8751.35	31.15	1907.31	0.78	1907.38	443388.65	611381.01	
10466.00	88.46	90.46	8752.90	30.88	2001.30	1.41	2001.36	443388.38	611475.00	
10560.00	89.09	90.01	8754.91	30.49	2095.27	0.82	2095.34	443387.99	611568.97	
10655.00	90.28	89.80	8755.43	30.65	2190.27	1.27	2190.33	443388.15	611663.97	
10749.00	88.32	87.55	8756.58	32.82	2284.23	3.17	2284.29	443390.32	611757.93	
10844.00	88.32	86.38	8759.36	37.85	2379.05	1.23	2379.13	443395.35	611852.75	
10939.00	89.65	85.72	8761.04	44.39	2473.81	1.56	2473.90	443401.89	611947.51	
11033.00	89.02	84.83	8762.14	52.13	2567.48	1.16	2567.59	443409.63	612041.18	
11128.00	88.95	85.56	8763.82	60.09	2662.13	0.77	2662.26	443417.59	612135.83	
11222.00	89.72	86.41	8764.91	66.67	2755.89	1.22	2756.04	443424.17	612229.59	
11317.00	91.54	87.74	8763.86	71.52	2850.76	2.37	2850.91	443429.02	612324.46	
11412.00	90.21	89.25	8762.41	74.01	2945.71	2.12	2945.87	443431.51	612419.41	
11506.00	88.81	90.35	8763.22	74.34	3039.70	1.89	3039.86	443431.84	612513.40	
11601.00	89.79	90.32	8764.38	73.79	3134.69	1.03	3134.85	443431.29	612608.39	
11695.00	88.88	89.93	8765.47	73.58	3228.68	1.05	3228.84	443431.08	612702.38	
11790.00	87.83	91.23	8768.20	72.62	3323.64	1.76	3323.79	443430.12	612797.34	
11884.00	88.74	90.82	8771.01	70.94	3417.58	1.06	3417.73	443428.44	612891.28	
11979.00	89.58	89.64	8772.40	70.56	3512.56	1.52	3512.71	443428.06	612986.26	
12073.00	89.58	91.98	8773.09	69.23	3606.54	2.49	3606.69	443426.73	613080.24	
12168.00	88.95	94.73	8774.31	63.67	3701.36	2.97	3701.50	443421.17	613175.06	
12262.00	87.76	92.34	8777.01	57.88	3795.14	2.84	3795.26	443415.38	613268.84	
12356.00	88.67	91.26	8779.94	54.93	3889.04	1.50	3889.16	443412.43	613362.74	
12451.00	90.07	91.64	8780.98	52.52	3984.01	1.53	3984.11	443410.02	613457.71	
12546.00	89.09	93.32	8781.68	48.41	4078.91	2.05	4079.01	443405.91	613552.61	
12640.00	88.25	95.30	8783.86	41.35	4172.61	2.29	4172.70	443398.85	613646.31	
12734.00	88.67	94.24	8786.39	33.54	4266.25	1.21	4266.32	443391.04	613739.95	
12829.00	89.37	93.17	8788.01	27.40	4361.04	1.35	4361.09	443384.90	613834.74	
12924.00	90.63	92.31	8788.01	22.86	4455.93	1.61	4455.97	443380.36	613929.63	
13018.00	91.75	91.18	8786.06	20.00	4549.86	1.69	4549.89	443377.50	614023.56	
13033.00	92.10	91.07	8785.56	19.70	4564.85	2.45	4564.88	443377.20	614038.55	Last Wft Svy
13111.00	92.10	91.07	8782.70	18.25	4642.78	0.00	4642.81	443375.75	614116.48	Proj. to Bit

Annotation

MD ft	TVD ft	
3036.00	3035.13	Tie on Extreme
3161.00	3160.07	First Wft Svy
13033.00	8785.56	Last Wft Svy
13111.00	8782.70	Proj. to Bit

OXY USA Inc.
Cedar Canyon 15 #4H
API No. 30-015-41291



14-3/4" hole @ 357'
11-3/4" csg @ 357'
w/ 950sx-TOC-Surf-Circ

10-5/8" hole @ 3091'
8-5/8" csg @ 3091'
w/ 960sx-TOC-240'-Calc

7-7/8" hole @ 13111'
5-1/2" csg @ 13106'
w/ 1420sx-TOC-2930'-CBL

Perfs @ 9000-12900'

TD - 13111'M 8783'V
PB - 12939'M 8788'V