



Weatherford[®]

Evaluation, Drilling & Intervention

10000 West County Rd. 116

P.O. Box 61028

Midland, TX USA 79711

Tel. (432) 561-8892 Fax (432) 561-8895

30-015-41594

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

Date: August 13, 2014

Attention: Anthony Tschacher

Re: Occidental Permian Ltd
Well: Cedar Canyon 15 Fee #3H
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
Michael McGuffey MWD Supervisor	3H	442' MD 13113' MD	6/17/2014 6/30/2014	Measurement While Drilling

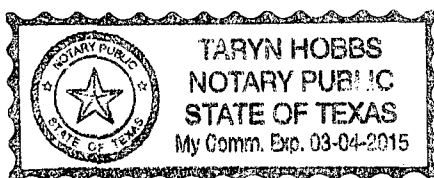
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
MWD Coordinator

On this, the 30th day of September, 2014, 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



NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 26 2014

RECEIVED



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 7/1/2014	Time: 13:20:27	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: Cedar Canyon 15 Fee #3H, Grid Nort		
Site: Cedar Canyon 15 Fee #3H	Vertical (TVD) Reference: SITE 2949.8		
Well: Cedar Canyon 15 Fee #3H	Section (VS) Reference: Well (0.00N,0.00E,88.79Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: **Start Date:**

Company: **Engineer:**
Tool: **Tied-to:**

Site: Cedar Canyon 15 Fee #3H

Site Position:	Northing: 442244.00 ft	Latitude: 32 12 55.249 N
From: Map	Easting: 609851.20 ft	Longitude: 103 58 41.293 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 2925.80 ft		Grid Convergence: 0.19 deg

Well: Cedar Canyon 15 Fee #3H **Slot Name:**

Well Position: +N/-S 0.00 ft	Northing: 442244.00 ft	Latitude: 32 12 55.249 N
+E/-W 0.00 ft	Easting: 609851.20 ft	Longitude: 103 58 41.293 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 3/3/2014	Above System Datum: Mean Sea Level
Field Strength: 48321 nT	Declination: 7.44 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.04 deg
ft	+N/-S
	ft
0.00	0.00
	0.00
	88.79

Survey Program for Definitive Wellpath

Date: 7/1/2014	Validated: No	Version: 0
Actual From To	Survey	Toolcode Tool Name
ft ft		

0.00	13181.00	MWD (0.00-13181.00)	MWD	MWD - Standard
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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	442244.00	609851.20	
442.00	1.20	8.28	441.97	4.58	0.67	0.27	0.76	442248.58	609851.87	First WFT MWD
503.00	1.09	3.99	502.96	5.79	0.80	0.23	0.92	442249.79	609852.00	
596.00	1.20	11.84	595.94	7.63	1.06	0.21	1.22	442251.63	609852.26	
688.00	1.20	10.94	687.92	9.52	1.44	0.02	1.64	442253.52	609852.64	
874.00	1.26	16.42	873.87	13.39	2.39	0.07	2.67	442257.39	609853.59	
1063.00	1.09	355.87	1062.84	17.18	2.85	0.24	3.21	442261.18	609854.05	
1252.00	0.95	343.83	1251.81	20.47	2.28	0.14	2.71	442264.47	609853.48	
1441.00	0.89	358.56	1440.78	23.45	1.81	0.13	2.30	442267.45	609853.01	
1630.00	0.63	40.76	1629.77	25.70	2.45	0.32	2.99	442269.70	609853.65	
1819.00	0.91	63.03	1818.75	27.17	4.46	0.21	5.04	442271.17	609855.66	
2008.00	0.64	67.88	2007.73	28.25	6.78	0.15	7.38	442272.25	609857.98	
2197.00	0.63	80.95	2196.72	28.81	8.78	0.08	9.39	442272.81	609859.98	
2386.00	2.13	103.87	2385.66	28.13	13.22	0.83	13.81	442272.13	609864.42	
2575.00	2.04	126.12	2574.54	25.30	19.35	0.43	19.88	442269.30	609870.55	
2764.00	1.17	177.06	2763.47	21.39	22.16	0.84	22.61	442265.39	609873.36	
2953.00	0.63	208.16	2952.45	18.55	21.77	0.38	22.16	442262.55	609872.97	
3064.00	0.53	210.71	3063.44	17.57	21.22	0.09	21.59	442261.57	609872.42	
3226.00	1.21	234.82	3225.42	15.94	19.44	0.47	19.78	442259.94	609870.64	
3415.00	4.76	255.80	3414.14	12.87	10.21	1.93	10.48	442256.87	609861.41	
3604.00	4.75	259.00	3602.49	9.45	-5.08	0.14	-4.88	442253.45	609846.12	
3793.00	4.65	256.90	3790.85	6.22	-20.22	0.11	-20.08	442250.22	609830.98	
3982.00	4.52	256.94	3979.25	2.80	-34.94	0.07	-34.87	442246.80	609816.26	
4171.00	4.73	254.52	4167.63	-0.96	-49.70	0.15	-49.71	442243.04	609801.50	
4360.00	4.74	254.13	4355.99	-5.18	-64.72	0.02	-64.82	442238.82	609786.48	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 7/1/2014	Time: 13:20:27	Page: 2
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cedar Canyon 15 Fee #3H, Grid Nort	
Site: Cedar Canyon 15 Fee #3H	Vertical (TVD) Reference:	SITE 2949.8	
Well: Cedar Canyon 15 Fee #3H	Section (VS) Reference:	Well (0.00N,0.00E,88.79Azi)	
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
4549.00	4.69	254.00	4544.35	-9.44	-79.66	0.03	-79.84	442234.56	609771.54	
4738.00	4.70	253.67	4732.72	-13.75	-94.52	0.02	-94.79	442230.25	609756.68	
4927.00	4.28	275.90	4921.15	-15.20	-108.97	0.94	-109.27	442228.80	609742.23	
5116.00	4.16	271.73	5109.64	-14.27	-122.83	0.17	-123.11	442229.73	609728.37	
5304.00	4.15	266.95	5297.14	-14.43	-136.44	0.18	-136.72	442229.57	609714.76	
5493.00	4.70	282.31	5485.59	-13.14	-150.84	0.69	-151.08	442230.86	609700.36	
5682.00	4.45	280.74	5673.98	-10.12	-165.61	0.15	-165.78	442233.88	609685.59	
5871.00	4.05	278.95	5862.46	-7.72	-179.40	0.22	-179.53	442236.28	609671.80	
6060.00	4.18	275.42	6050.98	-6.03	-192.85	0.15	-192.94	442237.97	609658.35	
6249.00	3.88	273.29	6239.51	-5.01	-206.10	0.18	-206.16	442238.99	609645.10	
6437.00	4.58	275.17	6427.00	-3.97	-219.92	0.38	-219.96	442240.03	609631.28	
6626.00	4.20	271.71	6615.44	-3.08	-234.35	0.24	-234.37	442240.92	609616.85	
6814.00	3.79	277.00	6802.99	-2.12	-247.40	0.29	-247.39	442241.88	609603.80	
7003.00	3.94	272.19	6991.56	-1.11	-260.09	0.19	-260.06	442242.89	609591.11	
7192.00	4.98	269.42	7179.98	-0.95	-274.78	0.56	-274.74	442243.05	609576.42	
7381.00	4.32	263.57	7368.36	-1.83	-290.06	0.43	-290.03	442242.17	609561.14	
7570.00	3.51	261.42	7556.92	-3.49	-302.86	0.44	-302.86	442240.51	609548.34	
7759.00	4.91	266.49	7745.40	-4.84	-316.65	0.77	-316.68	442239.16	609534.55	
7948.00	4.18	264.29	7933.81	-6.02	-331.58	0.40	-331.63	442237.98	609519.62	
7977.00	4.13	262.72	7962.73	-6.26	-333.66	0.43	-333.72	442237.74	609517.54	
8038.00	4.20	267.18	8023.57	-6.65	-338.07	0.54	-338.14	442237.35	609513.13	
8070.00	3.47	270.36	8055.50	-6.70	-340.21	2.38	-340.28	442237.30	609510.99	
8101.00	0.70	313.06	8086.48	-6.57	-341.29	9.66	-341.35	442237.43	609509.91	
8132.00	2.77	52.20	8117.46	-5.98	-340.84	9.56	-340.89	442238.02	609510.36	
8164.00	5.27	68.15	8149.38	-4.96	-338.86	8.49	-338.89	442239.04	609512.34	
8195.00	7.53	65.81	8180.19	-3.60	-335.69	7.34	-335.69	442240.40	609515.51	
8227.00	10.68	67.33	8211.78	-1.59	-331.04	9.87	-331.00	442242.41	609520.16	
8258.00	12.94	65.79	8242.12	0.94	-325.22	7.36	-325.13	442244.94	609525.98	
8290.00	14.05	61.07	8273.24	4.29	-318.55	4.88	-318.39	442248.29	609532.65	
8321.00	17.40	66.29	8303.08	7.97	-311.01	11.72	-310.77	442251.97	609540.19	
8353.00	20.57	68.50	8333.33	11.96	-301.40	10.16	-301.08	442255.96	609549.80	
8384.00	24.50	69.91	8361.96	16.16	-290.29	12.80	-289.88	442260.16	609560.91	
8415.00	26.70	72.84	8389.92	20.43	-277.60	8.19	-277.10	442264.43	609573.60	
8447.00	29.88	74.47	8418.09	24.68	-263.04	10.23	-262.46	442268.68	609588.16	
8479.00	32.21	77.00	8445.51	28.74	-247.05	8.34	-246.39	442272.74	609604.15	
8510.00	35.46	77.36	8471.25	32.56	-230.22	10.50	-229.48	442276.56	609620.98	
8542.00	38.41	79.96	8496.83	36.33	-211.37	10.43	-210.55	442280.33	609639.83	
8573.00	41.47	80.00	8520.60	39.79	-191.78	9.87	-190.89	442283.79	609659.42	
8604.00	44.74	80.44	8543.23	43.39	-170.90	10.59	-169.94	442287.39	609680.30	
8636.00	48.94	80.59	8565.11	47.23	-147.88	13.13	-146.85	442291.23	609703.32	
8667.00	52.69	81.72	8584.69	50.92	-124.15	12.42	-123.04	442294.92	609727.05	
8699.00	56.08	82.86	8603.33	54.40	-98.37	10.98	-97.20	442298.40	609752.83	
8730.00	57.12	86.12	8620.39	56.88	-72.62	9.40	-71.39	442300.88	609778.58	
8761.00	58.60	88.27	8636.89	58.16	-46.40	7.57	-45.16	442302.16	609804.80	
8793.00	60.76	88.55	8653.04	58.93	-18.79	6.79	-17.54	442302.93	609832.41	
8824.00	63.06	89.96	8667.64	59.28	8.55	8.43	9.81	442303.28	609859.75	
8856.00	64.80	90.01	8681.70	59.29	37.30	5.44	38.54	442303.29	609888.50	
8887.00	68.10	90.35	8694.08	59.20	65.71	10.69	66.95	442303.20	609916.91	
8919.00	71.17	90.07	8705.22	59.09	95.71	9.63	96.94	442303.09	609946.91	
8950.00	75.37	90.49	8714.14	58.94	125.39	13.61	126.61	442302.94	609976.59	
8982.00	78.24	90.35	8721.44	58.71	156.54	8.98	157.75	442302.71	610007.74	
9013.00	80.87	90.16	8727.06	58.58	187.02	8.51	188.22	442302.58	610038.22	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 7/1/2014	Time: 13:20:27	Page: 3
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cedar Canyon 15 Fee #3H, Grid Nort	
Site: Cedar Canyon 15 Fee #3H	Vertical (TVD) Reference:	SITE 2949.8	
Well: Cedar Canyon 15 Fee #3H	Section (VS) Reference:	Well (0.00N,0.00E,88.79Azi)	
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
9036.00	83.13	91.61	8730.26	58.23	209.79	11.64	210.98	442302.23	610060.99	
9067.00	85.66	92.39	8733.29	57.15	240.62	8.54	241.78	442301.15	610091.82	
9099.00	87.06	92.12	8735.32	55.89	272.53	4.46	273.66	442299.89	610123.73	
9130.00	88.25	91.54	8736.59	54.90	303.49	4.27	304.59	442298.90	610154.69	
9161.00	88.81	91.56	8737.39	54.07	334.47	1.81	335.54	442298.07	610185.67	
9193.00	89.16	91.45	8737.95	53.22	366.45	1.15	367.50	442297.22	610217.65	
9224.00	89.65	91.43	8738.28	52.45	397.44	1.58	398.46	442296.45	610248.64	
9319.00	88.46	91.18	8739.84	50.28	492.40	1.28	493.36	442294.28	610343.60	
9413.00	90.42	92.74	8740.76	47.07	586.34	2.66	587.20	442291.07	610437.54	
9507.00	89.86	93.06	8740.53	42.31	680.21	0.69	680.96	442286.31	610531.41	
9600.00	87.55	92.09	8742.63	38.13	773.09	2.69	773.72	442282.13	610624.29	
9693.00	86.92	89.69	8747.12	36.69	865.96	2.67	866.55	442280.69	610717.16	
9787.00	88.04	90.42	8751.25	36.60	959.87	1.42	960.43	442280.60	610811.07	
9881.00	86.99	89.88	8755.33	36.36	1053.78	1.26	1054.31	442280.36	610904.98	
9975.00	87.34	89.61	8759.98	36.77	1147.66	0.47	1148.18	442280.77	610998.86	
10069.00	87.90	89.32	8763.88	37.65	1241.58	0.67	1242.10	442281.65	611092.78	
10164.00	89.16	89.46	8766.32	38.66	1336.54	1.33	1337.06	442282.66	611187.74	
10258.00	90.63	89.53	8766.49	39.49	1430.53	1.57	1431.05	442283.49	611281.73	
10353.00	90.91	88.05	8765.21	41.50	1525.50	1.59	1526.04	442285.50	611376.70	
10447.00	91.68	87.36	8763.09	45.26	1619.40	1.10	1619.99	442289.26	611470.60	
10541.00	91.33	88.32	8760.62	48.80	1713.30	1.09	1713.95	442292.80	611564.50	
10635.00	89.65	88.74	8759.82	51.21	1807.26	1.84	1807.94	442295.21	611658.46	
10730.00	90.07	88.51	8760.05	53.49	1902.23	0.50	1902.94	442297.49	611753.43	
10824.00	89.30	88.88	8760.57	55.63	1996.21	0.91	1996.94	442299.63	611847.41	
10918.00	89.51	88.17	8761.54	58.05	2090.17	0.79	2090.93	442302.05	611941.37	
11011.00	87.06	87.76	8764.33	61.35	2183.06	2.67	2183.87	442305.35	612034.26	
11104.00	87.48	87.55	8768.75	65.15	2275.88	0.50	2276.75	442309.15	612127.08	
11198.00	89.02	88.85	8771.63	68.10	2369.78	2.14	2370.69	442312.10	612220.98	
11292.00	89.51	89.01	8772.83	69.86	2463.76	0.55	2464.69	442313.86	612314.96	
11386.00	89.37	91.91	8773.75	69.10	2557.74	3.09	2558.63	442313.10	612408.94	
11480.00	87.83	92.28	8776.05	65.67	2651.65	1.68	2652.44	442309.67	612502.85	
11573.00	87.83	91.76	8779.57	62.39	2744.52	0.56	2745.23	442306.39	612595.72	
11666.00	88.53	91.56	8782.52	59.70	2837.44	0.78	2838.06	442303.70	612688.64	
11760.00	89.37	90.74	8784.24	57.81	2931.40	1.25	2931.97	442301.81	612782.60	
11855.00	90.35	87.34	8784.48	59.41	3026.37	3.72	3026.95	442303.41	612877.57	
11949.00	90.56	85.64	8783.73	65.16	3120.19	1.82	3120.87	442309.16	612971.39	
12043.00	91.54	87.79	8782.01	70.55	3214.01	2.51	3214.78	442314.55	613065.21	
12137.00	90.35	87.68	8780.46	74.26	3307.92	1.27	3308.75	442318.26	613159.12	
12231.00	90.77	88.48	8779.54	77.41	3401.86	0.96	3402.74	442321.41	613253.06	
12325.00	90.35	87.51	8778.62	80.70	3495.80	1.12	3496.73	442324.70	613347.00	
12418.00	87.69	86.68	8780.21	85.41	3588.66	3.00	3589.66	442329.41	613439.86	
12512.00	88.11	86.10	8783.65	91.32	3682.41	0.76	3683.52	442335.32	613533.61	
12608.00	87.13	86.62	8787.64	97.41	3778.13	1.16	3779.35	442341.41	613629.33	
12700.00	87.76	86.74	8791.74	102.74	3869.88	0.70	3871.19	442346.74	613721.08	
12793.00	86.85	87.28	8796.11	107.58	3962.65	1.14	3964.04	442351.58	613813.85	
12887.00	87.76	87.20	8800.53	112.10	4056.44	0.97	4057.91	442356.10	613907.64	
12982.00	87.41	88.82	8804.54	115.40	4151.30	1.74	4152.81	442359.40	614002.50	
13076.00	88.25	88.37	8808.10	117.70	4245.20	1.01	4246.74	442361.70	614096.40	
13113.00	89.30	89.53	8808.89	118.38	4282.18	4.23	4283.73	442362.38	614133.38	Last WFT MWD
13181.00	89.30	89.53	8809.72	118.94	4350.18	0.00	4351.72	442362.94	614201.38	Proj to Bit



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 7/1/2014	Time: 13:20:27	Page: 4
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Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

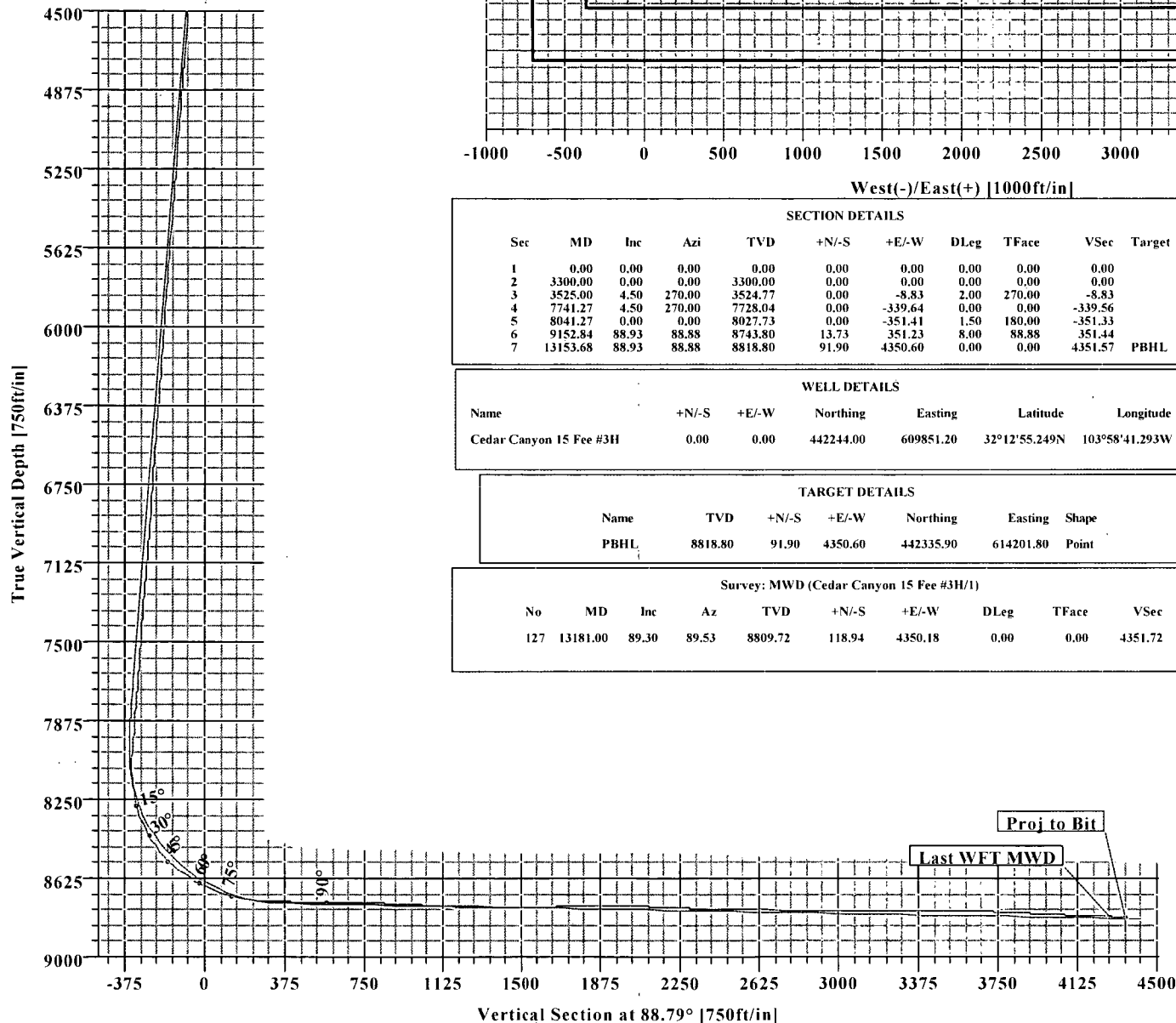
Annotation

MD ft	TVD ft	
442.00	441.97	First WFT MWD
13113.00	8808.89	Last WFT MWD
13181.00	8809.72	Proj to Bit



Cedar Canyon 15 Fee #3H
Eddy Co, NM

KB ELEV: 2949.8
GL ELEV: 2925.8



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	
3	3525.00	4.50	270.00	3524.77	0.00	-8.83	2.00	270.00	-8.83	
4	7741.27	4.50	270.00	7728.04	0.00	-339.64	0.00	0.00	-339.56	
5	8041.27	0.00	0.00	8027.73	0.00	-351.41	1.50	180.00	-351.33	
6	9152.84	88.93	88.88	8743.80	13.73	351.23	8.00	88.88	351.44	
7	13153.68	88.93	88.88	8818.80	91.90	4350.60	0.00	0.00	4351.57	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Cedar Canyon 15 Fee #3H	0.00	0.00	442244.00	609851.20	32°12'55.249N	103°58'41.293W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8818.80	91.90	4350.60	442335.90	614201.80	Point

Survey: MWD (Cedar Canyon 15 Fee #3H/1)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
127	13181.00	89.30	89.53	8809.72	118.94	4350.18	0.00	0.00	4351.72

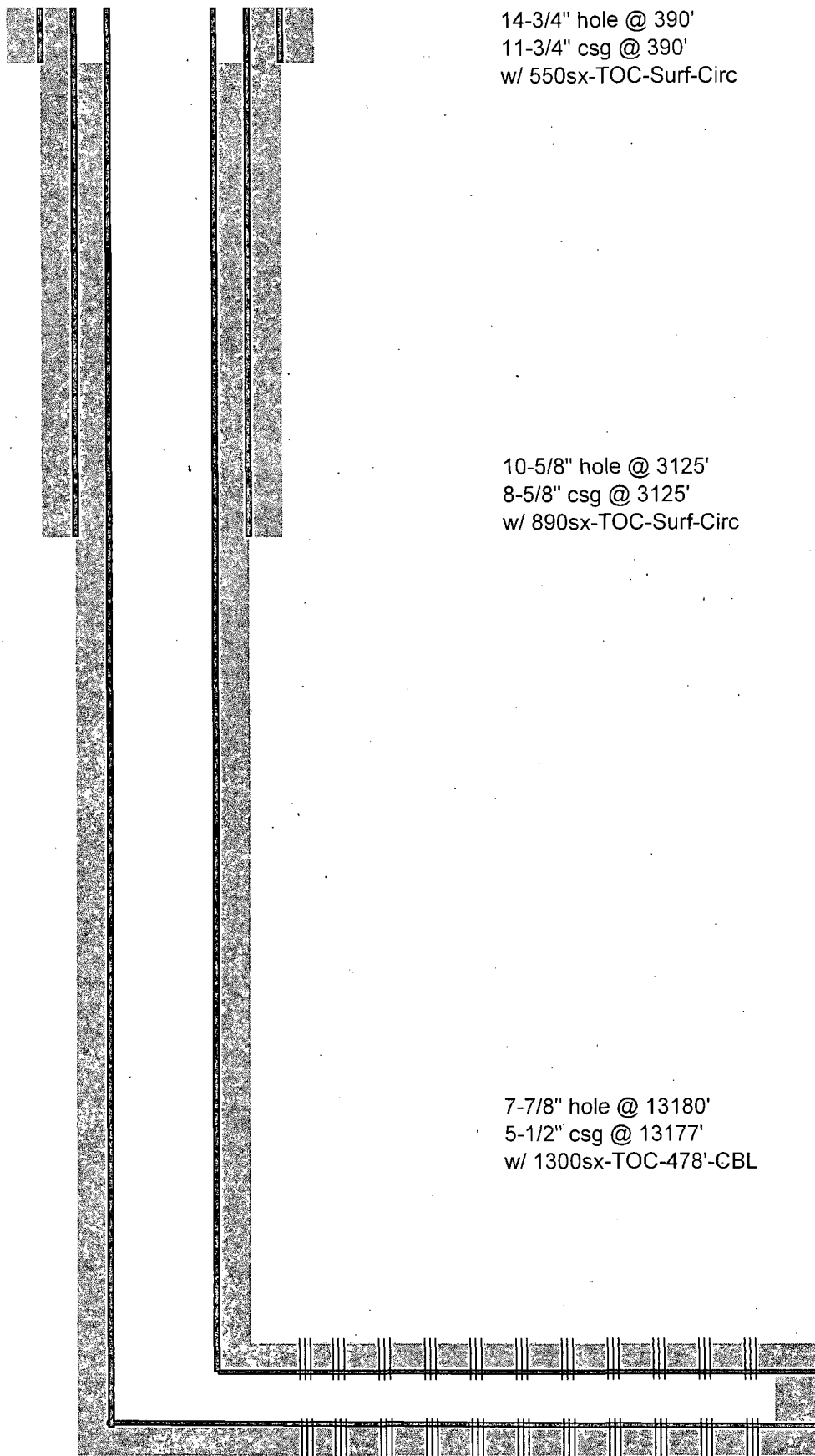


Weatherford

SITE DETAILS	
Cedar Canyon 15 Fee #3H	
Site Centre Northing:	442244.00
Easting:	609851.20
Ground Level:	2925.80
Positional Uncertainty:	0.00
Convergence:	0.19

LEGEND	
	Cedar Canyon 15 Fee #3H, 1, Plan #1
	1
	MWD

OXY USA Inc.
Cedar Canyon 15 #3H
API No. 30-015-41594



14-3/4" hole @ 390'
11-3/4" csg @ 390'
w/ 550sx-TOC-Surf-Circ

10-5/8" hole @ 3125'
8-5/8" csg @ 3125'
w/ 890sx-TOC-Surf-Circ

7-7/8" hole @ 13180'
5-1/2" csg @ 13177'
w/ 1300sx-TOC-478'-CBL

Perfs @ 9152-13041'

TD - 13180'M 8810' V