



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

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

Date: January 12, 2015

Attention: Karina Yustiz

Re: Occidental Permian Ltd
Well: Cedar Canyon 16 State #10H
Eddy County, New Mexico

15-42055

NM OIL CONSERVATION

ARTESIA DISTRICT

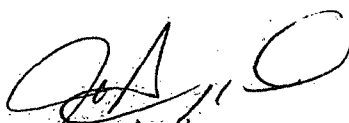
JAN 20 2015

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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:

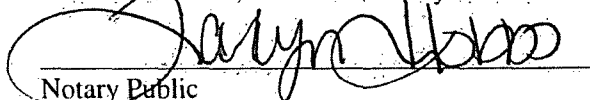
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Jesus lopez MWD Supervisor	10H	494' MD 14417' MD	5-13-2014 6-08-2014	Measurement While Drilling

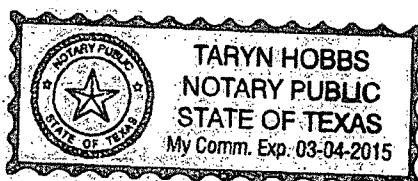
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesus Aguilar
MWD Coordinator

On this, the 12th day of January, 2015, 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



JAN 20 2015

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5D Survey Report

OXY USA

Field Name: *Eddy Co. (NAD27 NME)*
Site Name: *Cedar Canyon 16 State #10H*
Well Name: *Cedar Canyon 16 State #10H*
Survey: *Definitive Survey*

12 January 2015



Weatherford®

Cedar Canyon 16 State #10H

Field Name Eddy Co. (NAD27 NME)	Map Units : US ft		Company Name : OXY USA	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD27 / New Mexico East			
	Comment :			
Site Name Cedar Canyon 16 State #10H	Units : US ft	North Reference : Grid	Convergence Angle : 0.18	
	Position	Northing : 445385.00 US ft	Latitude : 32°13'26.48"	
		Easting : 605309.00 US ft	Longitude : -103°59'34.05"	
	Elevation above Mean Sea Level: 2926.90 US ft		Comment :	
Slot Name Cedar Canyon 16 State #10H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 445385.00 US ft	Latitude : 32°13'26.48"	
	+E / -W : 0.00 US ft	Easting : 605309.00 US ft	Longitude : -103°59'34.05"	
	Slot TVD Reference : Ground Elevation			
Elevation above Mean Sea Level : 2926.90 US ft		Comment :		
Well Name Cedar Canyon 16 State #10H	Type : Main well		UWI :	
	Rig Height Kelly Bushing : 25.00 US ft		Comment :	
	Relative to Mean Sea Level: 2951.90 US ft			
	Closure Distance : 4916.72 US ft		Closure Azimuth : 173.165°	
Vertical Section (Position of Origin Relative to Slot)				
+N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 0.00°				

Survey Name : Definitive Survey

Date : 12/Jan/2015

Survey Tool :

Comment :

Company :

Magnetic Model

Model Name: BGGM

Date: 05/Jun/2014

Field Strength:
48372.5 nT

Declination: 7.47°

Dip: 60.20°

Survey Tool Ranges

Name	Start MD (US ft)	End MD (US ft)	Source Survey
MWD	0.00	14477.00	WFT MWD

Well path created using minimum curvature

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N Offset (US ft)	E Offset (US ft)	VS (US ft)	DLS (2/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	445385.00	605309.00	MWD (WFT MWD)	
494.00	0.58	3.58	493.99	2.50	0.16	2.50	0.12	445387.50	605309.16	MWD (WFT MWD)	First WFT SVY
585.00	0.56	17.88	584.99	3.38	0.32	3.38	0.16	445388.38	605309.32	MWD (WFT MWD)	
675.00	0.20	139.19	674.99	3.68	0.56	3.68	0.76	445388.68	605309.56	MWD (WFT MWD)	
765.00	0.40	164.49	764.98	3.26	0.75	3.26	0.26	445388.26	605309.75	MWD (WFT MWD)	
858.00	0.40	165.01	857.98	2.63	0.92	2.63	0.00	445387.63	605309.92	MWD (WFT MWD)	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US/ft)	Inc (°)	Az (°)	TVD (US/ft)	N.Offset (US/ft)	E.Offset (US/ft)	VS (US/ft)	DLS (%/100 US/ft)	Northing (US/ft)	Easting (US/ft)	Survey Tool	Comment
949.00	0.60	181.96	948.98	1.85	0.98	1.85	0.27	445386.85	605309.98	MWD (WFT MWD)	
1044.00	0.29	130.78	1043.98	1.19	1.15	1.19	0.50	445386.19	605310.15	MWD (WFT MWD)	
1138.00	0.35	110.99	1137.97	0.93	1.60	0.93	0.13	445385.93	605310.60	MWD (WFT MWD)	
1233.00	0.25	207.31	1232.97	0.65	1.77	0.65	0.48	445385.65	605310.77	MWD (WFT MWD)	
1327.00	0.22	228.27	1326.97	0.34	1.54	0.34	0.10	445385.34	605310.54	MWD (WFT MWD)	
1422.00	0.43	164.42	1421.97	-0.12	1.50	-0.12	0.41	445384.88	605310.50	MWD (WFT MWD)	
1516.00	0.66	180.77	1515.97	-1.00	1.59	-1.00	0.29	445384.00	605310.59	MWD (WFT MWD)	
1611.00	0.77	168.89	1610.96	-2.18	1.71	-2.18	0.19	445382.82	605310.71	MWD (WFT MWD)	
1705.00	0.82	165.45	1704.95	-3.45	2.00	-3.45	0.07	445381.55	605311.00	MWD (WFT MWD)	
1800.00	0.53	175.67	1799.94	-4.54	2.20	-4.54	0.33	445380.46	605311.20	MWD (WFT MWD)	
1894.00	0.66	177.52	1893.94	-5.52	2.26	-5.52	0.14	445379.48	605311.26	MWD (WFT MWD)	
1989.00	0.73	209.08	1988.93	-6.59	1.99	-6.59	0.40	445378.41	605310.99	MWD (WFT MWD)	
2084.00	0.58	199.05	2083.93	-7.58	1.53	-7.58	0.20	445377.42	605310.53	MWD (WFT MWD)	
2178.00	1.25	148.70	2177.92	-8.90	1.91	-8.90	1.05	445376.10	605310.91	MWD (WFT MWD)	
2272.00	2.09	131.96	2271.87	-10.92	3.72	-10.92	1.02	445374.08	605312.72	MWD (WFT MWD)	
2367.00	0.97	132.91	2366.84	-12.63	5.60	-12.63	1.18	445372.37	605314.60	MWD (WFT MWD)	
2461.00	1.82	131.74	2460.81	-14.16	7.29	-14.16	0.90	445370.84	605316.29	MWD (WFT MWD)	
2556.00	2.29	135.87	2555.75	-16.53	9.74	-16.53	0.52	445368.47	605318.74	MWD (WFT MWD)	
2650.00	1.85	140.53	2649.69	-19.05	12.01	-19.05	0.50	445365.95	605321.01	MWD (WFT MWD)	
2745.00	0.82	160.65	2744.66	-20.88	13.21	-20.88	1.18	445364.12	605322.21	MWD (WFT MWD)	
2839.00	0.63	165.72	2838.65	-22.01	13.56	-22.01	0.21	445362.99	605322.56	MWD (WFT MWD)	
2934.00	0.50	173.97	2933.65	-22.93	13.74	-22.93	0.16	445362.07	605322.74	MWD (WFT MWD)	
3029.00	0.53	171.67	3028.65	-23.78	13.84	-23.78	0.04	445361.22	605322.84	MWD (WFT MWD)	
3054.00	0.58	143.94	3053.64	-23.99	13.93	-23.99	1.08	445361.01	605322.93	MWD (WFT MWD)	
3213.00	0.45	143.13	3212.64	-25.14	14.78	-25.14	0.08	445359.86	605323.78	MWD (WFT MWD)	
3308.00	0.31	106.54	3307.64	-25.51	15.25	-25.51	0.29	445359.49	605324.25	MWD (WFT MWD)	
3403.00	0.28	93.61	3402.63	-25.60	15.73	-25.60	0.08	445359.40	605324.73	MWD (WFT MWD)	
3497.00	0.29	118.32	3496.63	-25.73	16.17	-25.73	0.13	445359.27	605325.17	MWD (WFT MWD)	
3686.00	0.36	79.44	3685.63	-25.85	17.17	-25.85	0.12	445359.15	605326.17	MWD (WFT MWD)	
3875.00	0.31	54.09	3874.63	-25.44	18.17	-25.44	0.08	445359.56	605327.17	MWD (WFT MWD)	
4064.00	0.29	41.99	4063.62	-24.78	18.91	-24.78	0.04	445360.22	605327.91	MWD (WFT MWD)	
4253.00	0.35	75.80	4252.62	-24.29	19.79	-24.29	0.10	445360.71	605328.79	MWD (WFT MWD)	
4442.00	0.07	39.83	4441.62	-24.06	20.42	-24.06	0.16	445360.94	605329.42	MWD (WFT MWD)	
4631.00	0.10	53.46	4630.62	-23.87	20.63	-23.87	0.02	445361.13	605329.63	MWD (WFT MWD)	
4821.00	0.14	104.79	4820.62	-23.83	20.98	-23.83	0.06	445361.17	605329.98	MWD (WFT MWD)	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
HD (US ft)	Inc (°)	AZ (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
5009.00	0.22	121.80	5008.62	-24.08	21.51	-24.08	0.05	445360.92	605330.51	MWD (WFT MWD)	
5199.00	0.29	193.55	5198.62	-24.74	21.71	-24.74	0.16	445360.26	605330.71	MWD (WFT MWD)	
5388.00	0.30	203.82	5387.62	-25.66	21.40	-25.66	0.03	445359.34	605330.40	MWD (WFT MWD)	
5577.00	0.42	212.34	5576.61	-26.69	20.83	-26.69	0.07	445358.31	605329.83	MWD (WFT MWD)	
5766.00	0.49	217.69	5765.61	-27.92	19.96	-27.92	0.04	445357.08	605328.96	MWD (WFT MWD)	
5955.00	0.70	204.22	5954.60	-29.61	18.99	-29.61	0.13	445355.39	605327.99	MWD (WFT MWD)	
6143.00	0.80	195.22	6142.58	-31.93	18.18	-31.93	0.08	445353.07	605327.18	MWD (WFT MWD)	
6332.00	0.71	191.26	6331.56	-34.35	17.60	-34.35	0.06	445350.65	605326.60	MWD (WFT MWD)	
6521.00	0.91	200.77	6520.54	-36.90	16.84	-36.90	0.13	445348.10	605325.84	MWD (WFT MWD)	
6710.00	1.24	224.33	6709.51	-39.76	14.88	-39.76	0.29	445345.24	605323.88	MWD (WFT MWD)	
6899.00	1.42	273.43	6898.47	-41.09	11.11	-41.09	0.59	445343.91	605320.11	MWD (WFT MWD)	
7088.00	1.09	354.54	7087.43	-39.16	8.61	-39.16	0.87	445345.84	605317.61	MWD (WFT MWD)	
7277.00	0.77	262.10	7276.42	-37.54	7.18	-37.54	0.72	445347.46	605316.18	MWD (WFT MWD)	
7466.00	0.87	235.70	7465.40	-38.53	4.73	-38.53	0.20	445346.47	605313.73	MWD (WFT MWD)	
7655.00	1.40	249.23	7654.36	-40.15	1.39	-40.15	0.31	445344.85	605310.39	MWD (WFT MWD)	
7845.00	1.04	227.33	7844.32	-42.15	-2.05	-42.15	0.31	445342.85	605306.95	MWD (WFT MWD)	
8034.00	1.40	222.79	8033.27	-45.00	-4.88	-45.00	0.20	445340.00	605304.12	MWD (WFT MWD)	
8223.00	1.85	258.19	8222.20	-47.32	-9.43	-47.32	0.57	445337.68	605299.57	MWD (WFT MWD)	
8412.00	1.20	158.09	8411.16	-49.78	-11.68	-49.78	1.26	445335.22	605297.32	MWD (WFT MWD)	
8601.00	1.68	179.20	8600.10	-54.39	-10.90	-54.39	0.37	445330.61	605298.10	MWD (WFT MWD)	
8637.00	4.80	147.07	8636.04	-56.18	-10.08	-56.18	9.70	445328.82	605298.92	MWD (WFT MWD)	
8707.00	13.21	139.08	8705.12	-64.70	-3.23	-64.70	12.12	445320.30	605305.77	MWD (WFT MWD)	
8801.00	8.86	142.91	8797.36	-78.59	8.17	-78.59	4.69	445306.41	605317.17	MWD (WFT MWD)	
8895.00	5.48	140.41	8890.61	-87.83	15.40	-87.83	3.61	445297.17	605324.40	MWD (WFT MWD)	
8990.00	1.97	125.02	8985.40	-92.27	19.63	-92.27	3.81	445292.73	605328.63	MWD (WFT MWD)	
9084.00	2.13	129.87	9079.34	-94.31	22.29	-94.31	0.25	445290.69	605331.29	MWD (WFT MWD)	
9148.00	2.53	124.20	9143.28	-95.87	24.38	-95.87	0.72	445289.13	605333.38	MWD (WFT MWD)	
9179.00	2.04	119.98	9174.26	-96.53	25.42	-96.53	1.67	445288.47	605334.42	MWD (WFT MWD)	
9211.00	3.39	126.26	9206.22	-97.37	26.68	-97.37	4.31	445287.63	605335.68	MWD (WFT MWD)	
9242.00	6.00	134.80	9237.12	-99.06	28.56	-99.06	8.69	445285.94	605337.56	MWD (WFT MWD)	
9274.00	8.97	136.44	9268.84	-102.04	31.47	-102.04	9.30	445282.96	605340.47	MWD (WFT MWD)	
9305.00	12.22	140.61	9299.31	-106.33	35.22	-106.33	10.76	445278.67	605344.22	MWD (WFT MWD)	
9337.00	13.99	143.62	9330.47	-112.06	39.66	-112.06	5.93	445272.94	605348.66	MWD (WFT MWD)	
9368.00	15.55	145.65	9360.45	-118.51	44.23	-118.51	5.30	445266.49	605353.23	MWD (WFT MWD)	
9400.00	17.08	142.93	9391.16	-125.80	49.48	-125.80	5.34	445259.20	605358.48	MWD (WFT MWD)	

SD Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N Offset (US ft)	E Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
9432.00	20.22	141.61	9421.48	-133.89	55.75	-133.89	9.90	445251.11	605364.75	MWD (WFT MWD)	
9463.00	22.44	140.90	9450.35	-142.68	62.81	-142.68	7.21	445242.32	605371.81	MWD (WFT MWD)	
9495.00	25.39	141.86	9479.60	-152.82	70.90	-152.82	9.30	445232.18	605379.90	MWD (WFT MWD)	
9526.00	27.45	144.79	9507.36	-163.89	79.13	-163.89	7.86	445221.11	605388.13	MWD (WFT MWD)	
9558.00	29.59	147.73	9535.48	-176.59	87.60	-176.59	8.00	445208.41	605396.60	MWD (WFT MWD)	
9589.00	33.36	148.01	9561.91	-190.30	96.20	-190.30	12.17	445194.70	605405.20	MWD (WFT MWD)	
9621.00	37.24	147.50	9588.02	-205.93	106.07	-205.93	12.16	445179.07	605415.07	MWD (WFT MWD)	
9652.00	40.34	147.57	9612.18	-222.32	116.50	-222.32	10.00	445162.68	605425.50	MWD (WFT MWD)	
9684.00	43.75	147.25	9635.94	-240.37	128.04	-240.37	10.68	445144.63	605437.04	MWD (WFT MWD)	
9715.00	46.98	149.69	9657.72	-259.17	139.56	-259.17	11.83	445125.83	605448.56	MWD (WFT MWD)	
9747.00	49.01	152.44	9679.14	-279.98	151.05	-279.98	9.00	445105.02	605460.05	MWD (WFT MWD)	
9778.00	51.40	154.79	9698.98	-301.32	161.63	-301.32	9.66	445083.68	605470.63	MWD (WFT MWD)	
9810.00	52.43	156.81	9718.72	-324.29	171.95	-324.29	5.92	445060.71	605480.95	MWD (WFT MWD)	
9841.00	55.08	158.37	9737.05	-347.41	181.47	-347.41	9.46	445037.59	605490.47	MWD (WFT MWD)	
9873.00	57.92	159.17	9754.71	-372.28	191.13	-372.28	9.12	445012.72	605500.13	MWD (WFT MWD)	
9904.00	61.66	159.44	9770.30	-397.34	200.60	-397.34	12.09	444987.66	605509.60	MWD (WFT MWD)	
9936.00	64.94	159.92	9784.68	-424.14	210.52	-424.14	10.34	444960.86	605519.52	MWD (WFT MWD)	
9967.00	68.51	159.09	9796.93	-450.81	220.49	-450.81	11.78	444934.19	605529.49	MWD (WFT MWD)	
9999.00	71.26	158.55	9807.93	-478.82	231.35	-478.82	8.74	444906.18	605540.35	MWD (WFT MWD)	
10030.00	73.03	158.71	9817.44	-506.30	242.10	-506.30	5.73	444878.70	605551.10	MWD (WFT MWD)	
10062.00	75.21	159.07	9826.19	-535.01	253.19	-535.01	6.90	444849.99	605562.19	MWD (WFT MWD)	
10093.00	77.51	160.10	9833.50	-563.25	263.69	-563.25	8.09	444821.75	605572.69	MWD (WFT MWD)	
10125.00	79.31	161.12	9839.93	-592.81	274.10	-592.81	6.43	444792.19	605583.10	MWD (WFT MWD)	
10157.00	80.94	162.52	9845.42	-622.76	283.93	-622.76	6.67	444762.24	605592.93	MWD (WFT MWD)	
10188.00	82.85	163.58	9849.79	-652.12	292.88	-652.12	7.03	444732.88	605601.88	MWD (WFT MWD)	
10220.00	85.52	164.39	9853.03	-682.72	301.66	-682.72	8.72	444702.28	605610.66	MWD (WFT MWD)	
10251.00	86.64	165.03	9855.15	-712.55	309.82	-712.55	4.16	444672.45	605618.82	MWD (WFT MWD)	
10271.00	86.78	165.04	9856.30	-731.84	314.97	-731.84	0.70	444653.16	605623.97	MWD (WFT MWD)	
10302.00	86.92	164.97	9858.00	-761.74	322.98	-761.74	0.50	444623.26	605631.98	MWD (WFT MWD)	
10334.00	87.20	165.02	9859.64	-792.61	331.25	-792.61	0.89	444592.39	605640.25	MWD (WFT MWD)	
10365.00	87.69	164.79	9861.03	-822.51	339.32	-822.51	1.75	444562.49	605648.32	MWD (WFT MWD)	
10428.00	88.74	164.60	9862.99	-883.24	355.94	-883.24	1.69	444501.76	605664.94	MWD (WFT MWD)	
10523.00	89.93	164.42	9864.09	-974.78	381.31	-974.78	1.27	444410.22	605690.31	MWD (WFT MWD)	
10617.00	89.51	164.31	9864.55	-1065.30	406.64	-1065.30	0.46	444319.70	605715.64	MWD (WFT MWD)	
10712.00	90.35	164.29	9864.67	-1156.76	432.35	-1156.76	0.88	444228.24	605741.35	MWD (WFT MWD)	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)												
ND (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment	
10806.00	90.98	164.02	9863.57	-1247.18	458.01	-1247.18	0.73	444137.82	605767.01	MWD (WFT MWD)		
10900.00	90.42	163.63	9862.43	-1337.45	484.20	-1337.45	0.73	444047.55	605793.20	MWD (WFT MWD)		
10995.00	89.02	164.04	9862.89	-1428.69	510.64	-1428.69	1.54	443956.31	605819.64	MWD (WFT MWD)		
11089.00	88.25	164.68	9865.13	-1519.19	535.98	-1519.19	1.07	443865.81	605844.98	MWD (WFT MWD)		
11184.00	87.41	165.59	9868.73	-1610.94	560.33	-1610.94	1.30	443774.06	605869.33	MWD (WFT MWD)		
11278.00	87.41	167.13	9872.97	-1702.19	582.48	-1702.19	1.64	443682.81	605891.48	MWD (WFT MWD)		
11373.00	87.13	168.13	9877.50	-1794.88	602.80	-1794.88	1.09	443590.12	605911.80	MWD (WFT MWD)		
11467.00	87.20	169.10	9882.15	-1886.92	621.34	-1886.92	1.03	443498.08	605930.34	MWD (WFT MWD)		
11562.00	87.55	169.67	9886.50	-1980.19	638.82	-1980.19	0.70	443404.81	605947.82	MWD (WFT MWD)		
11656.00	88.18	170.09	9890.00	-2072.66	655.32	-2072.66	0.81	443312.34	605964.32	MWD (WFT MWD)		
11751.00	89.02	170.59	9892.32	-2166.29	671.26	-2166.29	1.03	443218.71	605980.26	MWD (WFT MWD)		
11845.00	90.56	171.18	9892.67	-2259.10	686.15	-2259.10	1.75	443125.90	605995.15	MWD (WFT MWD)		
11940.00	90.42	174.35	9891.85	-2353.33	698.11	-2353.33	3.34	443031.67	606007.11	MWD (WFT MWD)		
12034.00	89.44	175.89	9891.97	-2446.98	706.11	-2446.98	1.94	442938.02	606015.11	MWD (WFT MWD)		
12129.00	91.89	179.92	9890.87	-2541.88	709.58	-2541.88	4.96	442843.12	606018.58	MWD (WFT MWD)		
12223.00	92.80	182.34	9887.02	-2635.78	707.73	-2635.78	2.75	442749.22	606016.73	MWD (WFT MWD)		
12318.00	91.40	183.90	9883.54	-2730.57	702.56	-2730.57	2.21	442654.43	606011.56	MWD (WFT MWD)		
12412.00	90.35	185.55	9882.10	-2824.23	694.82	-2824.23	2.08	442560.77	606003.82	MWD (WFT MWD)		
12507.00	90.56	185.49	9881.35	-2918.79	685.68	-2918.79	0.23	442466.21	605994.68	MWD (WFT MWD)		
12601.00	88.67	186.67	9881.98	-3012.25	675.73	-3012.25	2.37	442372.75	605984.73	MWD (WFT MWD)		
12696.00	88.95	186.77	9883.95	-3106.58	664.61	-3106.58	0.31	442278.42	605973.61	MWD (WFT MWD)		
12790.00	89.16	186.76	9885.50	-3199.91	653.54	-3199.91	0.22	442185.09	605962.54	MWD (WFT MWD)		
12885.00	89.16	186.83	9886.90	-3294.24	642.30	-3294.24	0.07	442090.76	605951.30	MWD (WFT MWD)		
12979.00	90.70	187.25	9887.01	-3387.52	630.78	-3387.52	1.70	441997.48	605939.78	MWD (WFT MWD)		
13074.00	91.33	187.49	9885.33	-3481.72	618.60	-3481.72	0.71	441903.28	605927.60	MWD (WFT MWD)		
13168.00	88.67	185.23	9885.33	-3575.13	608.19	-3575.13	3.71	441809.87	605917.19	MWD (WFT MWD)		
13263.00	89.30	185.81	9887.01	-3669.67	599.05	-3669.67	0.90	441715.33	605908.05	MWD (WFT MWD)		
13357.00	89.65	185.17	9887.87	-3763.24	590.06	-3763.24	0.78	441621.76	605899.06	MWD (WFT MWD)		
13452.00	91.33	185.02	9887.06	-3857.86	581.62	-3857.86	1.78	441527.14	605890.62	MWD (WFT MWD)		
13546.00	91.12	182.24	9885.05	-3951.64	575.67	-3951.64	2.97	441433.36	605884.67	MWD (WFT MWD)		
13641.00	90.14	180.74	9884.01	-4046.60	573.20	-4046.60	1.89	441338.40	605882.20	MWD (WFT MWD)		
13735.00	90.49	180.07	9883.49	-4140.59	572.54	-4140.59	0.80	441244.41	605881.54	MWD (WFT MWD)		
13830.00	92.10	179.55	9881.34	-4235.56	572.85	-4235.56	1.78	441149.44	605881.85	MWD (WFT MWD)		
13924.00	92.66	179.35	9877.44	-4329.48	573.75	-4329.48	0.63	441055.52	605882.75	MWD (WFT MWD)		
14018.00	93.00	179.43	9872.80	-4423.36	574.75	-4423.36	0.37	440961.64	605883.75	MWD (WFT MWD)		

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
HD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N Offset (US ft)	E Offset (US ft)	VS (US ft)	DLS (% 100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
14113.00	92.94	179.45	9867.87	-4518.22	575.68	-4518.22	0.07	440866.78	605884.68	MWD (WFT MWD)	
14208.00	93.42	179.08	9862.60	-4613.07	576.90	-4613.07	0.64	440771.93	605885.90	MWD (WFT MWD)	
14302.00	92.31	178.93	9857.91	-4706.94	578.53	-4706.94	1.19	440678.06	605887.53	MWD (WFT MWD)	
14397.00	89.86	177.37	9856.11	-4801.86	581.59	-4801.86	3.06	440583.14	605890.59	MWD (WFT MWD)	
14417.00	90.00	177.48	9856.13	-4821.84	582.49	-4821.84	0.89	440563.16	605891.49	MWD (WFT MWD)	Last WFT Svy
14477.00	90.00	177.48	9856.13	-4881.78	585.13	-4881.78	0.00	440503.22	605894.13	MWD (WFT MWD)	Proj to Bit