



Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
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Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sheridan Ave
Oklahoma City, OK, 73102

Date: November 28, 2016

Attention: Garrett Glaze

30-015-43848

NM OIL CONSERVATION
ARTESIA DISTRICT

Re: Devon Energy
Well: Cotton Draw Unit 254H
Eddy County, New Mexico

MAY 03 2017

RECEIVED

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
Tanner Bauer MWD Supervisor	254H	212 MD 18128 MD	11/1/2016 11/20/2016	Measurement While Drilling

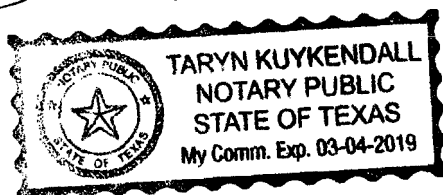
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jonathan Leger
MWD Ops Coordinator

On this, the 14th day of December, 2016, before me a notary public, the undersigned officer, personally appeared Jonathan Leger, 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



**5D Survey Report**

Devon Energy

Field Name: *Eddy Co, NM (Nad 83 NME)*
Site Name: *Cotton Draw Unit 254H*
Well Name: *Cotton Draw Unit 254H*
Survey: *Definitive survey*

21 November 2016



MAY 03 2017

RECEIVED

devon

Weatherford

Cotton Draw Unit 254H

Field Name: Eddy Co, NM (Nad 83 NME)	Map Units: US ft		Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Cotton Draw Unit 254H	Units: US ft	North Reference: Grid	Convergence Angle: 0.32	
	Position:	Northing: 419585.74 US ft	Latitude: 32° 9' 7.57"	
		Easting: 726578.72 US ft	Longitude: -103° 44' 5.18"	
	Elevation above MSL: 3452.40 US ft		Comment:	
Slot: Cotton Draw Unit 254H	Position (Relative to Site Centre)			
	+N/-S: 0.00 US ft	Northing: 419585.74 US ft	Latitude: 32° 9' 7.57"	
	+E/-W: 0.00 US ft	Easting: 726578.72 US ft	Longitude: -103° 44' 5.18"	
	Slot TVD Reference: Ground Elevation			
	Elevation above MSL: 3452.40 US ft			
	Comment:			
Well: Cotton Draw Unit 254H	Type: Main well		UWI:	
	File Number:	Comment:		
	Closure Distance: 10313.20 US ft		Closure Azimuth: 179.80°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00 US ft	+E/-W: -0.00 US ft	Az: 179.72°	

Drill floor:	Survey Name: Definitive Survey
Rig Height (Drill Floor): 23.50us ft	Elevation above MSL: 3475.90us ft
Inclination: 0.00°	Azimuth: 0.00°

Survey Name: Definitive Survey			
Date: 24/Oct/2016	Survey Tool: See Survey Tool Ranges below.	Comment:	Company:

Magnetic Model:				
Model Name: bggm2016	Date: 31/Oct/2016	Field Strength: 48037.6nT	Declination: 7.15°	Dip: 59.98°

Tie Point:					
MD: 0.00 US ft	Inclination: 0.00°	Azimuth: 0.00°	TVD: 0.00 US ft	North Offset: 0.00 US ft	East Offset: -0.00 US ft

Survey Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD	0.00	663.00	WFT MWD Svy 1
MWD	663.00	4305.00	WFT MWD Svy 2
MWD	4305.00	7451.00	WFT MWD Svy 3
MWD	7451.00	8711.00	WFT MWD Svy 4

SD Survey Report

Survey Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD	8711.00	14795.00	WFT MWD Svy 5
MWD	14795.00	18200.00	WFT MWD Svy 6

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	-0.00	-0.00	0.00	419585.74	726578.72	
23.50	0.00	0.00	23.50	0.00	-0.00	-0.00	0.00	419585.74	726578.72	
212.00	1.15	353.06	211.99	1.88	-0.23	-1.88	0.61	419587.62	726578.49	First WFT Svy
267.00	1.25	349.98	266.98	3.02	-0.40	-3.02	0.22	419588.76	726578.32	
328.00	1.34	0.35	327.96	4.38	-0.51	-4.39	0.41	419590.12	726578.21	
420.00	1.19	6.01	419.94	6.41	-0.40	-6.41	0.21	419592.15	726578.32	
511.00	1.00	1.34	510.92	8.14	-0.29	-8.15	0.23	419593.88	726578.43	
602.00	0.85	0.84	601.91	9.61	-0.26	-9.61	0.17	419595.35	726578.46	
663.00	0.73	14.06	662.90	10.44	-0.16	-10.44	0.36	419596.18	726578.56	
821.00	0.60	43.59	820.89	12.02	0.66	-12.01	0.23	419597.76	726579.38	Run 2
913.00	0.86	47.87	912.89	12.83	1.50	-12.82	0.29	419598.57	726580.22	
1004.00	0.66	50.32	1003.88	13.62	2.41	-13.61	0.22	419599.36	726581.13	
1096.00	0.44	66.80	1095.87	14.10	3.14	-14.08	0.29	419599.84	726581.86	
1187.00	0.36	81.66	1186.87	14.28	3.75	-14.26	0.14	419600.02	726582.47	
1279.00	0.28	33.87	1278.87	14.51	4.16	-14.49	0.29	419600.25	726582.88	
1370.00	0.35	68.56	1369.87	14.79	4.54	-14.77	0.22	419600.53	726583.26	
1465.00	0.33	49.81	1464.87	15.08	5.02	-15.05	0.12	419600.82	726583.74	
1560.00	0.22	40.84	1559.87	15.39	5.35	-15.36	0.12	419601.13	726584.07	
1655.00	0.22	48.92	1654.86	15.65	5.61	-15.62	0.03	419601.39	726584.33	
1749.00	0.16	48.18	1748.86	15.86	5.84	-15.83	0.06	419601.60	726584.56	
1843.00	0.23	32.20	1842.86	16.10	6.04	-16.07	0.09	419601.84	726584.76	
1938.00	0.35	291.61	1937.86	16.37	5.87	-16.34	0.48	419602.11	726584.59	
2032.00	0.25	41.71	2031.86	16.63	5.74	-16.60	0.53	419602.37	726584.46	
2127.00	0.95	95.28	2126.86	16.71	6.66	-16.68	0.87	419602.45	726585.38	
2221.00	0.25	17.65	2220.85	16.84	7.50	-16.80	0.99	419602.58	726586.22	
2316.00	0.22	5.31	2315.85	17.21	7.58	-17.18	0.06	419602.95	726586.30	
2415.00	0.16	56.45	2414.85	17.48	7.71	-17.44	0.17	419603.22	726586.43	
2510.00	0.10	74.79	2509.85	17.58	7.90	-17.54	0.08	419603.32	726586.62	
2605.00	0.19	152.19	2604.85	17.46	8.06	-17.42	0.20	419603.20	726586.78	
2700.00	0.30	160.29	2699.85	17.08	8.21	-17.04	0.12	419602.82	726586.93	
2796.00	0.20	161.10	2795.85	16.69	8.35	-16.65	0.10	419602.43	726587.07	
2891.00	0.16	139.33	2890.85	16.43	8.49	-16.39	0.08	419602.17	726587.21	
2978.00	0.22	167.11	2977.85	16.18	8.61	-16.13	0.12	419601.92	726587.33	
3073.00	0.40	168.21	3072.85	15.67	8.72	-15.63	0.19	419601.41	726587.44	
3168.00	0.29	229.95	3167.84	15.19	8.60	-15.15	0.39	419600.93	726587.32	
3263.00	0.49	131.82	3262.84	14.77	8.72	-14.73	0.64	419600.51	726587.44	
3357.00	0.37	124.68	3356.84	14.33	9.27	-14.28	0.14	419600.07	726587.99	
3452.00	0.29	148.37	3451.84	13.95	9.65	-13.90	0.16	419599.69	726588.37	
3547.00	0.22	147.54	3546.84	13.59	9.87	-13.54	0.07	419599.33	726588.59	
3641.00	0.25	147.15	3640.84	13.27	10.08	-13.22	0.03	419599.01	726588.80	
3736.00	0.63	119.97	3735.83	12.83	10.64	-12.78	0.45	419598.57	726589.36	
3831.00	0.78	122.74	3830.83	12.22	11.64	-12.16	0.16	419597.96	726590.36	
3926.00	0.77	146.91	3925.82	11.34	12.53	-11.27	0.34	419597.08	726591.25	
4021.00	0.89	132.47	4020.81	10.30	13.43	-10.24	0.25	419596.04	726592.15	
4116.00	1.10	135.01	4115.79	9.16	14.61	-9.09	0.23	419594.90	726593.33	
4211.00	1.13	131.64	4210.78	7.89	15.96	-7.81	0.08	419593.63	726594.68	
4305.00	0.87	125.19	4304.76	6.87	17.24	-6.78	0.30	419592.61	726595.96	
4457.00	0.66	123.01	4456.75	5.72	18.91	-5.63	0.14	419591.46	726597.63	Run 3
4551.00	0.78	123.53	4550.74	5.08	19.90	-4.98	0.13	419590.82	726598.62	
4646.00	0.78	116.32	4645.73	4.43	21.02	-4.33	0.10	419590.17	726599.74	

50. Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	
4741.00	0.89	116.53	4740.72	3.82	22.26	-3.71	0.12	419589.56	726600.98	
4835.00	0.93	117.92	4834.71	3.13	23.59	-3.02	0.05	419588.87	726602.31	
4929.00	0.79	118.60	4928.70	2.46	24.83	-2.34	0.15	419588.20	726603.55	
5024.00	0.80	85.29	5023.69	2.21	26.06	-2.08	0.48	419587.95	726604.78	
5118.00	0.85	64.01	5117.68	2.56	27.35	-2.43	0.33	419588.30	726606.07	
5213.00	1.09	52.06	5212.67	3.43	28.69	-3.29	0.33	419589.17	726607.41	
5308.00	1.19	54.72	5307.65	4.55	30.21	-4.41	0.12	419590.29	726608.93	
5402.00	0.60	31.42	5401.64	5.54	31.26	-5.39	0.73	419591.28	726609.98	
5497.00	0.66	38.97	5496.63	6.39	31.87	-6.23	0.11	419592.13	726610.59	
5592.00	0.60	42.08	5591.63	7.18	32.54	-7.02	0.07	419592.92	726611.26	
5687.00	0.63	25.62	5686.62	8.02	33.10	-7.86	0.19	419593.76	726611.82	
5781.00	0.70	22.36	5780.61	9.02	33.54	-8.86	0.08	419594.76	726612.26	
5876.00	0.80	13.99	5875.61	10.20	33.93	-10.03	0.16	419595.94	726612.65	
5971.00	0.63	5.01	5970.60	11.36	34.13	-11.20	0.21	419597.10	726612.85	
6066.00	0.85	359.91	6065.59	12.59	34.18	-12.42	0.24	419598.33	726612.90	
6160.00	0.78	0.67	6159.58	13.93	34.18	-13.76	0.08	419599.67	726612.90	
6255.00	0.73	354.48	6254.57	15.17	34.13	-15.01	0.10	419600.91	726612.85	
6350.00	0.77	346.31	6349.56	16.40	33.92	-16.23	0.12	419602.14	726612.64	
6445.00	0.73	349.26	6444.56	17.61	33.66	-17.45	0.06	419603.35	726612.38	
6539.00	0.60	335.74	6538.55	18.65	33.35	-18.49	0.22	419604.39	726612.07	
6634.00	0.51	329.49	6633.55	19.47	32.93	-19.31	0.11	419605.21	726611.65	
6728.00	0.36	19.43	6727.54	20.11	32.81	-19.95	0.42	419605.85	726611.53	
6823.00	0.40	26.94	6822.54	20.68	33.06	-20.52	0.07	419606.42	726611.78	
6918.00	0.16	30.04	6917.54	21.09	33.28	-20.93	0.25	419606.83	726612.00	
7012.00	0.14	104.98	7011.54	21.18	33.45	-21.01	0.19	419606.92	726612.17	
7107.00	0.51	165.58	7106.54	20.74	33.67	-20.57	0.48	419606.48	726612.39	
7201.00	0.60	160.78	7200.53	19.87	33.94	-19.70	0.11	419605.61	726612.66	
7296.00	0.63	176.77	7295.53	18.88	34.13	-18.71	0.18	419604.62	726612.85	
7392.00	0.77	194.05	7391.52	17.72	34.00	-17.56	0.26	419603.46	726612.72	
7451.00	0.70	192.41	7450.52	16.99	33.83	-16.82	0.12	419602.73	726612.55	
7479.00	0.60	177.78	7478.52	16.67	33.80	-16.51	0.69	419602.41	726612.52	Run 4
7526.00	2.62	205.97	7525.49	15.46	33.34	-15.30	4.49	419601.20	726612.06	
7574.00	7.27	210.39	7573.30	11.85	31.32	-11.70	9.71	419597.59	726610.04	
7621.00	12.71	212.36	7619.57	4.92	27.05	-4.78	11.60	419590.66	726605.77	
7669.00	17.60	209.11	7665.89	-5.89	20.69	5.99	10.34	419579.85	726599.41	
7716.00	22.57	207.58	7710.02	-20.10	13.05	20.17	10.63	419565.64	726591.77	
7763.00	26.75	209.65	7752.72	-37.30	3.63	37.32	9.08	419548.44	726582.35	
7795.00	30.58	208.75	7780.80	-50.70	-3.85	50.68	12.04	419535.04	726574.87	
7827.00	33.84	207.95	7807.87	-65.71	-11.94	65.65	10.27	419520.03	726566.78	
7859.00	36.00	207.04	7834.11	-81.96	-20.39	81.86	6.94	419503.78	726558.33	
7890.00	38.30	204.74	7858.81	-98.80	-28.56	98.66	8.67	419486.94	726550.16	
7922.00	41.29	202.55	7883.40	-117.56	-36.76	117.38	10.32	419468.18	726541.96	
7953.00	44.43	200.36	7906.12	-137.19	-44.46	136.97	11.21	419448.55	726534.26	
7985.00	48.29	198.97	7928.20	-158.99	-52.24	158.74	12.46	419426.75	726526.48	
8017.00	51.63	196.80	7948.79	-182.31	-59.75	182.01	11.66	419403.43	726518.97	
8048.00	54.05	194.07	7967.51	-206.12	-66.32	205.79	10.50	419379.62	726512.40	
8080.00	56.24	190.41	7985.80	-231.77	-71.87	231.42	11.61	419353.97	726506.85	
8112.00	58.38	187.25	8003.09	-258.38	-75.99	258.01	10.67	419327.36	726502.73	
8144.00	60.59	184.75	8019.34	-285.79	-78.87	285.40	9.64	419299.95	726499.85	
8175.00	63.75	181.74	8033.81	-313.16	-80.41	312.76	13.33	419272.58	726498.31	
8207.00	66.52	178.82	8047.27	-342.18	-80.54	341.78	11.98	419243.56	726498.18	
8237.00	69.11	176.20	8058.60	-369.93	-79.33	369.54	11.83	419215.81	726499.39	
8269.00	70.81	174.07	8069.56	-399.88	-76.78	399.50	8.20	419185.86	726501.94	
8300.00	71.34	174.06	8079.62	-429.05	-73.75	428.68	1.71	419156.69	726504.97	
8332.00	72.16	174.91	8089.64	-459.30	-70.83	458.94	3.60	419126.44	726507.89	
8364.00	74.49	176.91	8098.82	-489.87	-68.64	489.53	9.43	419095.87	726510.08	
8396.00	76.31	178.95	8106.89	-520.81	-67.53	520.48	8.39	419064.93	726511.19	
8427.00	77.23	180.09	8113.98	-550.99	-67.27	550.65	4.65	419034.75	726511.45	
8457.00	78.23	180.86	8120.36	-580.30	-67.52	579.96	4.17	419005.44	726511.20	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
8489.00	79.01	180.56	8126.67	-611.67	-67.91	611.33	2.61	418974.07	726510.81	
8521.00	80.51	179.55	8132.36	-643.16	-67.94	642.82	5.62	418942.58	726510.78	
8568.00	83.20	180.00	8139.02	-689.68	-67.75	689.34	5.80	418896.06	726510.97	
8616.00	85.59	180.61	8143.71	-737.44	-68.01	737.10	5.14	418848.30	726510.71	
8663.00	87.69	179.35	8146.46	-784.36	-67.99	784.02	5.21	418801.38	726510.73	
8711.00	90.14	178.30	8147.37	-832.34	-67.01	832.00	5.55	418753.40	726511.71	
8744.00	91.05	177.93	8147.03	-865.32	-65.92	864.98	2.98	418720.42	726512.80	Run 5
8838.00	91.05	177.44	8145.30	-959.22	-62.13	958.91	0.52	418626.52	726516.59	
8932.00	91.33	178.97	8143.35	-1053.16	-59.18	1052.85	1.65	418532.58	726519.54	
9026.00	90.49	182.36	8141.86	-1147.12	-60.27	1146.81	3.71	418438.62	726518.45	
9121.00	88.88	181.91	8142.38	-1242.05	-63.81	1241.73	1.76	418343.69	726514.91	
9215.00	88.32	181.95	8144.68	-1335.97	-66.98	1335.63	0.60	418249.77	726511.74	
9311.00	89.44	181.62	8146.55	-1431.90	-69.97	1431.54	1.22	418153.84	726508.75	
9405.00	87.48	179.74	8149.08	-1525.85	-71.08	1525.49	2.89	418059.89	726507.64	
9499.00	88.67	180.15	8152.24	-1619.80	-70.99	1619.43	1.34	417965.94	726507.73	
9592.00	88.60	180.30	8154.45	-1712.77	-71.36	1712.40	0.18	417872.97	726507.36	
9688.00	89.65	181.48	8155.92	-1808.75	-72.85	1808.37	1.65	417776.99	726505.87	
9783.00	87.62	180.41	8158.18	-1903.70	-74.41	1903.31	2.42	417682.04	726504.31	
9878.00	89.23	182.36	8160.79	-1998.63	-76.71	1998.23	2.66	417587.11	726502.01	
9972.00	87.34	179.75	8163.61	-2092.56	-78.44	2092.15	3.43	417493.18	726500.28	
10067.00	86.92	178.79	8168.36	-2187.43	-77.23	2187.03	1.10	417398.31	726501.49	
10161.00	87.20	177.40	8173.19	-2281.25	-74.11	2280.86	1.51	417304.49	726504.61	
10256.00	88.67	178.47	8176.61	-2376.12	-70.69	2375.75	1.91	417209.62	726508.03	
10351.00	88.46	177.70	8178.99	-2471.04	-67.52	2470.68	0.84	417114.70	726511.20	
10445.00	88.88	177.83	8181.17	-2564.94	-63.85	2564.60	0.47	417020.80	726514.87	
10539.00	89.30	179.42	8182.66	-2658.90	-61.60	2658.57	1.75	416926.84	726517.12	
10634.00	88.53	178.91	8184.46	-2753.87	-60.21	2753.55	0.97	416831.87	726518.51	
10729.00	90.49	179.35	8185.27	-2848.85	-58.77	2848.53	2.11	416736.89	726519.95	
10823.00	89.93	179.15	8184.93	-2942.85	-57.54	2942.53	0.63	416642.89	726521.18	
10918.00	88.74	179.46	8186.03	-3037.83	-56.39	3037.52	1.29	416547.91	726522.33	
11013.00	89.44	179.45	8187.54	-3132.81	-55.49	3132.50	0.74	416452.93	726523.23	
11108.00	88.25	177.49	8189.46	-3227.75	-52.95	3227.46	2.41	416357.99	726525.77	
11202.00	88.11	176.75	8192.44	-3321.59	-48.23	3321.31	0.80	416264.15	726530.49	
11297.00	89.16	176.80	8194.70	-3416.41	-42.89	3416.16	1.11	416169.33	726535.83	
11392.00	89.23	177.13	8196.04	-3511.27	-37.86	3511.04	0.36	416074.47	726540.86	
11486.00	88.95	177.73	8197.53	-3605.16	-33.64	3604.95	0.70	415980.58	726545.08	
11581.00	89.30	178.55	8198.98	-3700.10	-30.56	3699.90	0.94	415885.64	726548.16	
11676.00	87.13	178.27	8201.94	-3795.01	-27.93	3794.83	2.30	415790.73	726550.79	
11771.00	87.97	178.33	8206.00	-3889.88	-25.11	3889.71	0.89	415695.86	726553.61	
11865.00	89.09	177.57	8208.41	-3983.79	-21.75	3983.63	1.44	415601.95	726556.97	
11958.00	90.07	177.93	8209.10	-4076.71	-18.10	4076.57	1.12	415509.03	726560.62	
12052.00	90.28	178.68	8208.81	-4170.67	-15.32	4170.54	0.83	415415.07	726563.40	
12147.00	90.07	179.60	8208.52	-4265.66	-13.89	4265.54	0.99	415320.08	726564.83	
12243.00	88.95	179.77	8209.34	-4361.65	-13.36	4361.53	1.18	415224.09	726565.36	
12338.00	88.46	180.85	8211.49	-4456.62	-13.88	4456.50	1.25	415129.12	726564.84	
12433.00	87.27	180.67	8215.03	-4551.55	-15.14	4551.42	1.27	415034.19	726563.58	
12527.00	89.72	183.09	8217.49	-4645.45	-18.22	4645.30	3.66	414940.29	726560.50	
12621.00	88.60	182.46	8218.87	-4739.33	-22.77	4739.16	1.37	414846.41	726555.95	
12717.00	87.62	180.24	8222.04	-4835.24	-25.03	4835.06	2.53	414750.50	726553.69	
12811.00	88.11	180.15	8225.54	-4929.17	-25.35	4928.99	0.53	414656.57	726553.37	
12905.00	88.60	180.43	8228.24	-5023.13	-25.83	5022.95	0.60	414562.61	726552.89	
12999.00	89.51	182.17	8229.79	-5117.09	-27.96	5116.89	2.09	414468.65	726550.76	
13093.00	88.95	180.07	8231.05	-5211.06	-29.80	5210.85	2.31	414374.68	726548.92	
13187.00	87.76	178.69	8233.75	-5305.01	-28.78	5304.81	1.94	414280.73	726549.94	
13283.00	87.97	178.79	8237.33	-5400.92	-26.67	5400.73	0.24	414184.82	726552.05	
13377.00	88.67	179.01	8240.08	-5494.86	-24.87	5494.68	0.78	414090.88	726553.85	
13472.00	88.74	178.03	8242.23	-5589.81	-22.41	5589.63	1.03	413995.93	726556.31	
13564.00	87.48	177.35	8245.27	-5681.68	-18.71	5681.52	1.56	413904.06	726560.01	
13659.00	88.67	174.68	8248.46	-5776.39	-12.11	5776.26	3.08	413809.35	726566.61	

ED Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
13754.00	88.53	172.47	8250.78	-5870.75	-1.48	5870.68	2.33	413714.99	726577.24	
13849.00	89.72	176.87	8252.23	-5965.31	7.34	5965.27	4.80	413620.43	726586.06	
13944.00	89.51	179.47	8252.87	-6060.25	10.37	6060.23	2.75	413525.49	726589.09	
14038.00	87.55	177.91	8255.28	-6154.19	12.52	6154.17	2.66	413431.55	726591.24	
14133.00	90.63	181.40	8256.79	-6249.15	13.09	6249.14	4.90	413336.59	726591.81	
14227.00	90.42	180.21	8255.93	-6343.13	11.77	6343.11	1.29	413242.61	726590.49	
14322.00	90.49	179.79	8255.17	-6438.13	11.77	6438.11	0.45	413147.61	726590.49	
14417.00	89.51	178.10	8255.17	-6533.11	13.52	6533.10	2.06	413052.63	726592.24	
14512.00	89.30	177.21	8256.16	-6628.02	17.41	6628.03	0.96	412957.72	726596.13	
14607.00	87.90	175.87	8258.48	-6722.82	23.14	6722.85	2.04	412862.92	726601.86	
14701.00	87.69	176.05	8262.10	-6816.51	29.75	6816.58	0.29	412769.23	726608.47	
14795.00	89.02	177.64	8264.80	-6910.33	34.93	6910.41	2.20	412675.41	726613.65	
14867.00	88.60	178.33	8266.29	-6982.27	37.46	6982.37	1.12	412603.47	726616.18	Run 6
14961.00	89.37	179.60	8267.96	-7076.23	39.15	7076.34	1.58	412509.51	726617.87	
15056.00	90.28	179.78	8268.25	-7171.23	39.67	7171.34	0.98	412414.51	726618.39	
15150.00	91.33	180.16	8266.93	-7265.22	39.72	7265.33	1.19	412320.52	726618.44	
15244.00	92.10	180.36	8264.11	-7359.18	39.29	7359.28	0.85	412226.56	726618.01	
15339.00	92.94	180.55	8259.94	-7454.08	38.54	7454.18	0.91	412131.66	726617.26	
15434.00	93.92	181.06	8254.25	-7548.90	37.20	7548.99	1.16	412036.84	726615.92	
15528.00	92.66	181.82	8248.86	-7642.71	34.85	7642.79	1.56	411943.03	726613.57	
15622.00	91.19	181.88	8245.70	-7736.61	31.81	7736.67	1.57	411849.13	726610.53	
15717.00	90.28	182.18	8244.48	-7831.54	28.45	7831.58	1.01	411754.20	726607.17	
15812.00	88.81	181.89	8245.24	-7926.47	25.08	7926.50	1.58	411659.27	726603.80	
15907.00	89.16	182.13	8246.92	-8021.40	21.74	8021.41	0.45	411564.34	726600.46	
16002.00	88.67	180.85	8248.72	-8116.35	19.27	8116.35	1.44	411469.39	726597.99	
16097.00	88.39	179.69	8251.15	-8211.31	18.83	8211.31	1.26	411374.43	726597.55	
16193.00	87.90	179.53	8254.26	-8307.26	19.48	8307.26	0.54	411278.48	726598.20	
16287.00	89.16	178.92	8256.67	-8401.22	20.75	8401.22	1.49	411184.52	726599.47	
16383.00	89.02	178.61	8258.20	-8497.18	22.82	8497.20	0.35	411088.56	726601.54	
16478.00	89.93	179.31	8259.07	-8592.16	24.54	8592.18	1.21	410993.58	726603.26	
16574.00	88.81	179.02	8260.12	-8688.15	25.94	8688.17	1.21	410897.59	726604.66	
16668.00	89.30	179.06	8261.67	-8782.12	27.52	8782.15	0.52	410803.62	726606.24	
16762.00	90.00	179.81	8262.25	-8876.11	28.44	8876.15	1.09	410709.63	726607.16	
16858.00	89.16	180.77	8262.95	-8972.11	27.96	8972.14	1.33	410613.63	726606.68	
16953.00	87.90	180.87	8265.39	-9067.06	26.60	9067.09	1.33	410518.68	726605.32	
17048.00	87.62	179.94	8269.10	-9161.99	25.93	9162.00	1.02	410423.75	726604.65	
17142.00	89.23	180.06	8271.69	-9255.95	25.93	9255.97	1.72	410329.79	726604.65	
17237.00	86.15	179.95	8275.51	-9350.86	25.92	9350.88	3.24	410234.88	726604.64	
17331.00	86.43	179.41	8281.60	-9444.66	26.44	9444.68	0.65	410141.08	726605.16	
17425.00	87.20	178.84	8286.82	-9538.50	27.88	9538.53	1.02	410047.24	726606.60	
17520.00	87.54	179.84	8291.18	-9633.40	28.97	9633.42	1.11	409952.34	726607.69	
17615.00	88.04	179.12	8294.84	-9728.32	29.83	9728.35	0.92	409857.42	726608.55	
17710.00	89.09	179.68	8297.22	-9823.28	30.83	9823.32	1.25	409762.46	726609.55	
17805.00	87.69	178.71	8299.89	-9918.23	32.16	9918.27	1.79	409667.51	726610.88	
17899.00	88.67	179.68	8302.88	-10012.17	33.48	10012.22	1.47	409573.57	726612.20	
17994.00	90.14	180.06	8303.86	-10107.17	33.70	10107.21	1.60	409478.57	726612.42	
18089.00	90.42	179.67	8303.40	-10202.17	33.92	10202.21	0.51	409383.57	726612.64	
18128.00	89.44	178.68	8303.45	-10241.16	34.48	10241.21	3.57	409344.58	726613.20	Last Svy
18200.00	89.44	178.68	8304.15	-10313.14	36.14	10313.19	0.00	409272.60	726614.86	Proj to Bit