



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

15-43739

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

Date: November 1, 2016

Attention: Garrett Glaze

Re: Devon Energy
Well: Cotton Draw Unit 255H
Eddy County, New Mexico

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 29 2017

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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>
Tanner Bauer MWD Supervisor	278H	137 MD 12862 MD	10/17/2016 10/27/2016	Measurement While Drilling

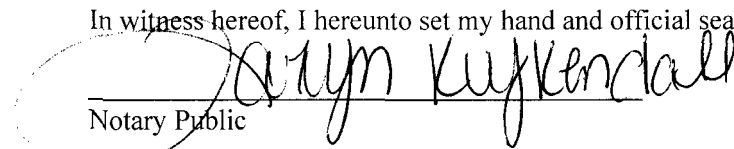
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

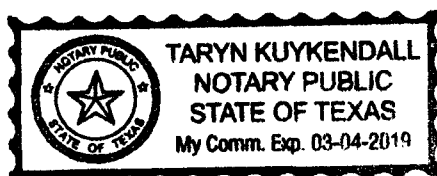


Jonathan Leger
MWD Ops Coordinator

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

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 29 2017

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5D Survey Report

Devon Energy**Field Name:** *Eddy Co, NM (Nad 83 NME)***Site Name:** *Cotton Draw Unit 255H***Well Name:** *Cotton Draw Unit 255H***Survey:** *Definitive survey*

17 November 2016





Devon Energy
Cotton Draw Unit 255H
Eddy Co, NM

KB:3434.50
GL:3411.00

Plan Data for Cotton Draw Unit 255H											
Plan Point Information:											
Dogleg Severity Unit: 1/100.00ft Position offsets from Slot centre											
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS	Comments	
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)		
12236.00	88.53	182.01	8266.23	-4147.16	-14.25	409970.14	729597.14	4146.84	1.74	Tie-on Svy	
12250.00	88.25	182.01	8266.63	-4161.15	-14.74	409956.15	729596.65	4160.83	2.00	Hold	
12525.54	88.25	182.01	8275.04	-4436.39	-24.40	409680.91	729586.99	4436.19	0.00	Build 2° DLS	
12576.54	89.27	182.01	8276.14	-4487.35	-26.19	409629.95	729585.20	4487.17	2.00	Hold	
12879.23	89.27	182.01	8280.00	-4789.83	-36.80	409327.47	729574.59	4789.79	0.00	PBHL 255H	

Plan Data for Cotton Draw Unit 255H

Field: Eddy Co, NM (Nad 83 NME)

Map Unit: USFt Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (ftUS)

Site: Cotton Draw Unit 255H
Unit: USFeet TVD Reference:
Company Name: Devon Energy

Position: Northing: 414117.30USft Latitude: 32.137026°
Easting: 729611.39USft Longitude: -103.725073°
North Reference: Grid Grid Convergence: 0.32°
Elevation Above VRD: 3411.00USft

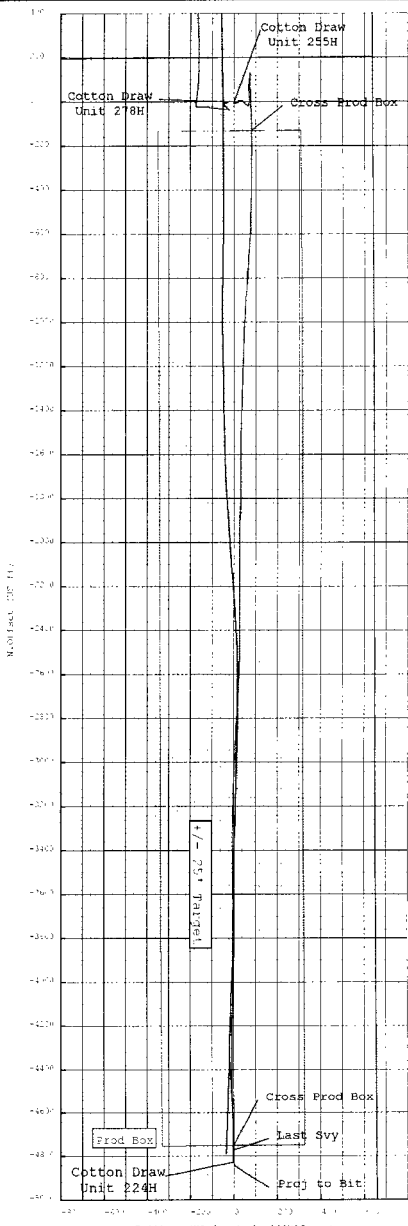
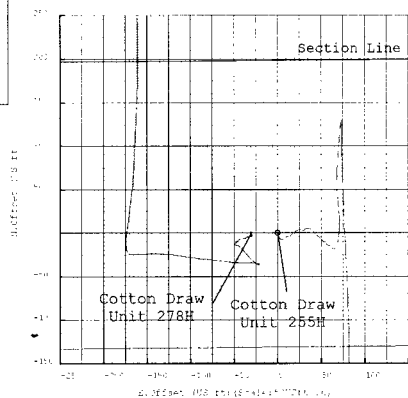
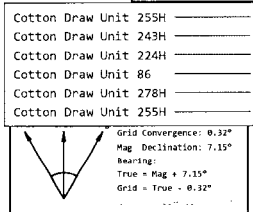
Slot: Cotton Draw Unit 255H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 414117.30USft Latitude: 32.137026°
+E/-W: 0.00USft Easting: 729611.39USft Longitude: -103.725073°
Elevation Above VRD: 3411.00USft

Well: Cotton Draw Unit 255H
Type: Main-Well
File Number:

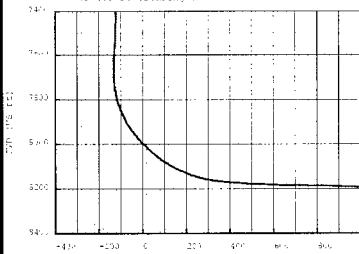
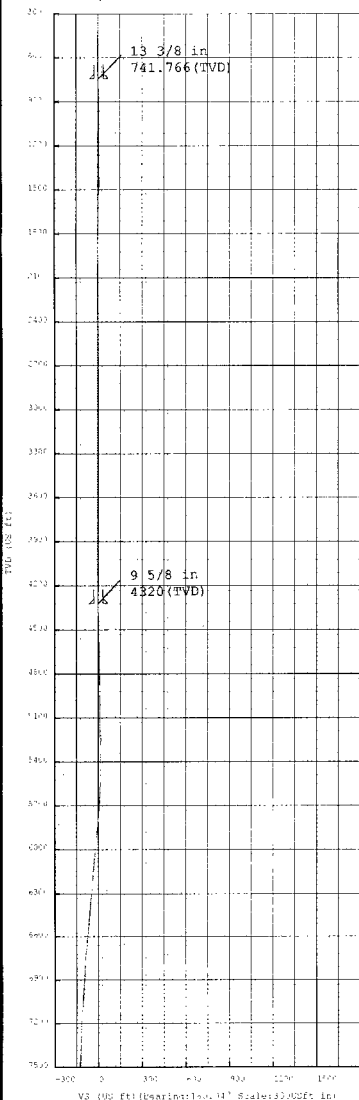
Plan Folder: P7 Plan: P7:V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: -0.00USft Azimuth: 180.94°
+E/-W: -0.00USft

Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
bggm2016 48028(nT) 7.15° 59.97° 2016-10-31

Plan Data for Cotton Draw Unit 255H						
Target Set Information:						
Name: Cotton Draw Unit 255H Tgts						
Position offsets from Slot centre						
Name	TVD	Elevation	+N/-S	+E/-W	Northing	Easting
	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
PBHL 255H	8280.00	-4845.50	-4789.83	-0.93	409327.47	729610.46



Plan Data for Cotton Draw Unit 255H						
Casing Point Information:						
Position offsets from Slot centre						
Name	MD		Az	TVD	+N/-S	+E/-W
(USft)	(°)		(°)	(USft)	(USft)	(USft)
13 3/8 in	741.80	0.40	146.34	741.77	-6.09	2.23



5D Survey Report

MAR 29 2017

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Cotton Draw Unit 255H

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 255H	Units: US ft	North Reference: Grid	Convergence Angle: 0.32	
	Position:	Northing: 414117.30 US ft	Latitude: 32° 8' 13.29"	
		Easting: 729611.39 US ft	Longitude: -103° 43' 30.26"	
	Elevation above MSL: 3411.00 US ft		Comment:	
Slot: Cotton Draw Unit 255H	Position (Relative to Site Centre)			
	+N/-S: 0.00 US ft	Northing: 414117.30 US ft	Latitude: 32° 8' 13.29"	
	+E/-W: 0.00 US ft	Easting: 729611.39 US ft	Longitude: -103° 43' 30.26"	
	Slot TVD Reference: Ground Elevation			
	Elevation above MSL: 3411.00 US ft			
Well: Cotton Draw Unit 255H	Type: Main well		UWI:	
	File Number:	Comment:		
	Closure Distance: 4844.52 US ft		Closure Azimuth: 179.98°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: -0.00 US ft	+E/-W: -0.00 US ft	Az: 180.94°	

Drill floor:	Survey Name: Definitive Survey		
Rig Height (Drill Floor): 23.50us ft	Elevation above MSL: 3434.50us ft	Inclination: 0.00°	Azimuth: 0.00°

Survey Name: Definitive Survey					
Date: 22/Sep/2016	Survey Tool: See Survey Tool Ranges below.	Comment:	Company:		
Magnetic Model:					
Model Name: bggm2016	Date: 31/Oct/2016	Field Strength: 48028.7nT	Declination: 7.15°	Dip: 59.97°	
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	667.00	WFT MWD Svy 1
MWD	667.00	2951.00	WFT MWD Svy 2
MWD	2951.00	4258.00	WFT MWD Svy 3
MWD	4258.00	7620.00	WFT MWD Svy 4

5D Survey Report

Survey Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD	7620.00	8377.00	WFT MWD Svy 5
MWD	8377.00	12935.00	WFT MWD Svy 6

Casing 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)	Northing (US ft)	Easting (US ft)	Name
741.80	0.40	146.34	741.77	-6.09	2.23	414111.21	729613.62	13 3/8 in

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	414117.30	729611.39	
23.50	0.00	0.00	23.50	-0.00	-0.00	-0.00	0.00	414117.30	729611.39	
137.00	0.25	161.41	137.00	-0.23	0.08	0.23	0.22	414117.07	729611.47	First WFT Svy
238.00	0.55	164.35	238.00	-0.91	0.28	0.91	0.30	414116.39	729611.67	
330.00	0.58	160.28	329.99	-1.77	0.56	1.76	0.05	414115.53	729611.95	
421.00	0.66	163.10	420.99	-2.71	0.86	2.69	0.09	414114.59	729612.25	
513.00	0.66	163.01	512.98	-3.72	1.17	3.70	0.00	414113.58	729612.56	
604.00	0.70	154.78	603.97	-4.73	1.56	4.70	0.12	414112.57	729612.95	
667.00	0.73	155.97	666.97	-5.44	1.89	5.41	0.05	414111.86	729613.28	
791.00	0.20	122.66	790.97	-6.28	2.39	6.24	0.46	414111.02	729613.78	Run 2
883.00	0.38	118.95	882.96	-6.51	2.80	6.47	0.20	414110.79	729614.19	
975.00	0.43	139.17	974.96	-6.92	3.29	6.87	0.16	414110.38	729614.68	
1066.00	0.42	129.75	1065.96	-7.39	3.77	7.33	0.08	414109.91	729615.16	
1157.00	0.64	94.63	1156.96	-7.65	4.53	7.57	0.42	414109.65	729615.92	
1249.00	0.84	69.57	1248.95	-7.45	5.68	7.36	0.41	414109.85	729617.07	
1341.00	1.15	61.54	1340.93	-6.78	7.12	6.66	0.37	414110.52	729618.51	
1436.00	1.08	57.13	1435.92	-5.84	8.71	5.70	0.12	414111.46	729620.10	
1531.00	1.05	57.84	1530.90	-4.89	10.20	4.72	0.03	414112.41	729621.59	
1625.00	1.43	85.08	1624.88	-4.33	12.10	4.13	0.74	414112.97	729623.49	
1720.00	0.93	59.32	1719.86	-3.84	13.94	3.61	0.75	414113.46	729625.33	
1814.00	1.21	47.03	1813.84	-2.77	15.32	2.52	0.38	414114.53	729626.71	
1909.00	1.33	49.25	1908.82	-1.37	16.89	1.09	0.14	414115.93	729628.28	
2004.00	1.09	53.86	2003.80	-0.11	18.46	-0.19	0.27	414117.19	729629.85	
2098.00	1.17	54.82	2097.78	0.97	19.96	-1.29	0.09	414118.27	729631.35	
2194.00	0.77	60.72	2193.77	1.85	21.33	-2.20	0.43	414119.15	729632.72	
2288.00	0.77	60.45	2287.76	2.47	22.43	-2.83	0.00	414119.77	729633.82	
2382.00	0.75	72.54	2381.75	2.96	23.56	-3.35	0.17	414120.26	729634.95	
2478.00	0.72	87.50	2477.74	3.18	24.77	-3.58	0.20	414120.48	729636.16	
2572.00	0.72	88.30	2571.73	3.22	25.95	-3.65	0.01	414120.52	729637.34	
2667.00	0.54	110.33	2666.73	3.08	26.96	-3.52	0.31	414120.38	729638.35	
2762.00	0.45	114.74	2761.72	2.77	27.72	-3.23	0.10	414120.07	729639.11	
2856.00	0.34	69.73	2855.72	2.71	28.32	-3.18	0.34	414120.01	729639.71	
2951.00	0.53	98.82	2950.72	2.74	29.02	-3.22	0.30	414120.04	729640.41	
3046.00	0.46	105.26	3045.72	2.58	29.82	-3.06	0.09	414119.88	729641.21	Run 3
3141.00	0.35	52.77	3140.71	2.65	30.42	-3.15	0.39	414119.95	729641.81	
3235.00	0.38	41.91	3234.71	3.06	30.85	-3.56	0.08	414120.36	729642.24	
3330.00	0.84	56.65	3329.71	3.67	31.65	-4.19	0.51	414120.97	729643.04	
3425.00	0.63	45.57	3424.70	4.42	32.60	-4.96	0.27	414121.72	729643.99	
3520.00	0.36	82.49	3519.70	4.83	33.27	-5.37	0.43	414122.13	729644.66	
3614.00	0.25	88.04	3613.69	4.87	33.77	-5.43	0.12	414122.17	729645.16	
3709.00	0.49	65.30	3708.69	5.05	34.34	-5.61	0.29	414122.35	729645.73	
3804.00	0.99	102.62	3803.68	5.04	35.51	-5.62	0.71	414122.34	729646.90	
3898.00	0.69	109.97	3897.67	4.67	36.84	-5.27	0.34	414121.97	729648.23	
3993.00	1.06	116.66	3992.66	4.08	38.16	-4.71	0.40	414121.38	729649.55	
4088.00	1.48	127.51	4087.64	2.94	39.92	-3.59	0.51	414120.24	729651.31	
4182.00	1.88	147.97	4181.60	0.89	41.70	-1.58	0.76	414118.19	729653.09	

SD 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
4258.00	1.75	136.55	4257.56	-1.01	43.16	0.30	0.50	414116.29	729654.55	Run 4
4360.00	1.38	138.28	4359.52	-3.05	45.05	2.32	0.37	414114.25	729656.44	
4455.00	1.29	133.76	4454.50	-4.65	46.58	3.88	0.15	414112.65	729657.97	
4549.00	1.49	130.98	4548.47	-6.18	48.27	5.39	0.22	414111.12	729659.66	
4644.00	1.46	128.71	4643.44	-7.75	50.15	6.92	0.07	414109.55	729661.54	
4739.00	1.40	133.33	4738.41	-9.30	51.93	8.45	0.14	414108.00	729663.32	
4834.00	1.49	129.21	4833.38	-10.88	53.73	10.00	0.14	414106.42	729665.12	
4928.00	1.40	129.16	4927.35	-12.38	55.57	11.46	0.10	414104.92	729666.96	
5023.00	1.16	129.91	5022.33	-13.73	57.21	12.79	0.25	414103.57	729668.60	
5118.00	1.40	122.38	5117.30	-14.96	58.93	14.00	0.31	414102.34	729670.32	
5212.00	1.26	122.87	5211.28	-16.14	60.77	15.14	0.15	414101.16	729672.16	
5307.00	1.46	125.57	5306.25	-17.41	62.63	16.38	0.22	414099.89	729674.02	
5402.00	1.26	86.36	5401.22	-18.05	64.65	16.99	0.98	414099.25	729676.04	
5496.00	1.65	43.36	5495.20	-17.00	66.61	15.90	1.20	414100.30	729678.00	
5591.00	2.50	15.81	5590.14	-14.01	68.12	12.89	1.36	414103.29	729679.51	
5686.00	3.80	11.87	5684.99	-8.94	69.33	7.80	1.39	414108.36	729680.72	
5780.00	5.42	7.54	5778.68	-1.49	70.55	0.33	1.76	414115.81	729681.94	
5875.00	5.98	2.29	5873.21	7.91	71.34	-9.07	0.80	414125.21	729682.73	
5970.00	5.59	356.30	5967.73	17.47	71.24	-18.63	0.76	414134.77	729682.63	
6064.00	5.40	355.35	6061.30	26.44	70.58	-27.60	0.22	414143.74	729681.97	
6159.00	4.92	353.59	6155.91	34.95	69.77	-36.09	0.53	414152.25	729681.16	
6254.00	4.41	351.61	6250.60	42.61	68.78	-43.73	0.56	414159.91	729680.17	
6349.00	4.93	358.98	6345.28	50.31	68.17	-51.42	0.83	414167.61	729679.56	
6444.00	5.13	1.31	6439.92	58.63	68.20	-59.74	0.30	414175.93	729679.59	
6538.00	5.37	1.36	6533.52	67.23	68.40	-68.34	0.26	414184.53	729679.79	
6633.00	5.19	3.09	6628.12	75.97	68.74	-77.08	0.25	414193.27	729680.13	
6728.00	5.00	2.36	6722.75	84.39	69.14	-85.52	0.21	414201.69	729680.53	
6823.00	3.83	3.97	6817.46	91.69	69.53	-92.82	1.24	414208.99	729680.92	
6917.00	3.28	3.69	6911.28	97.51	69.92	-98.64	0.59	414214.81	729681.31	
7012.00	3.10	5.17	7006.13	102.78	70.33	-103.92	0.21	414220.08	729681.72	
7107.00	3.08	7.74	7101.00	107.87	70.90	-109.02	0.15	414225.17	729682.29	
7201.00	2.73	2.53	7194.87	112.61	71.34	-113.76	0.47	414229.91	729682.73	
7296.00	2.26	3.13	7289.78	116.74	71.54	-117.90	0.50	414234.04	729682.93	
7391.00	2.08	1.01	7384.72	120.33	71.67	-121.49	0.21	414237.63	729683.06	
7486.00	2.14	12.64	7479.65	123.79	72.09	-124.95	0.45	414241.09	729683.48	
7580.00	1.73	13.64	7573.60	126.88	72.81	-128.05	0.44	414244.18	729684.20	
7620.00	1.86	16.84	7613.58	128.09	73.14	-129.27	0.41	414245.39	729684.53	
7668.00	1.79	17.43	7661.55	129.55	73.59	-130.74	0.15	414246.85	729684.98	Run 5
7715.00	3.16	179.73	7708.54	128.95	73.82	-130.14	10.42	414246.25	729685.21	
7763.00	8.92	182.93	7756.25	123.91	73.63	-125.10	12.02	414241.21	729685.02	
7810.00	15.62	179.47	7802.15	113.93	73.51	-115.12	14.33	414231.23	729684.90	
7857.00	21.85	179.62	7846.64	98.84	73.62	-100.04	13.26	414216.14	729685.01	
7904.00	28.00	177.66	7889.24	79.05	74.13	-80.26	13.20	414196.35	729685.52	
7952.00	34.35	177.62	7930.29	54.24	75.16	-55.46	13.23	414171.54	729686.55	
7999.00	40.35	177.95	7967.63	25.76	76.25	-27.01	12.77	414143.06	729687.64	
8046.00	45.88	176.90	8001.93	-6.32	77.71	5.04	11.86	414110.98	729689.10	
8093.00	49.75	177.22	8033.49	-41.09	79.49	39.78	8.25	414076.21	729690.88	
8141.00	53.46	178.04	8063.29	-78.67	81.04	77.33	7.84	414038.63	729692.43	
8188.00	59.87	179.24	8089.11	-117.91	81.96	116.55	13.80	413999.39	729693.35	
8235.00	64.16	180.58	8111.16	-159.40	82.01	158.03	9.47	413957.90	729693.40	
8282.00	67.62	180.50	8130.35	-202.29	81.61	200.93	7.36	413915.01	729693.00	
8330.00	73.03	180.75	8146.51	-247.47	81.11	246.11	11.28	413869.83	729692.50	
8377.00	78.31	180.21	8158.14	-292.99	80.74	291.63	11.29	413824.31	729692.13	
8447.00	84.96	180.75	8168.31	-362.20	80.15	360.84	9.53	413755.10	729691.54	Run 6
8542.00	86.85	182.00	8175.10	-456.93	77.88	455.59	2.38	413660.37	729689.27	
8589.00	86.64	181.47	8177.77	-503.83	76.46	502.51	1.21	413613.47	729687.85	
8637.00	86.99	181.73	8180.43	-551.74	75.12	550.43	0.91	413565.56	729686.51	
8684.00	87.69	182.17	8182.62	-598.66	73.52	597.37	1.76	413518.64	729684.91	
8732.00	88.74	183.10	8184.11	-646.58	71.32	645.33	2.92	413470.72	729682.71	

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
8826.00	89.93	184.82	8185.20	-740.35	64.82	739.18	2.22	413376.95	729676.21	
8921.00	87.41	182.91	8187.41	-835.09	58.42	834.02	3.33	413282.21	729669.81	
9016.00	89.09	183.93	8190.31	-929.88	52.76	928.88	2.07	413187.42	729664.15	
9110.00	86.85	182.19	8193.64	-1023.67	47.74	1022.75	3.02	413093.63	729659.13	
9204.00	86.57	181.96	8199.03	-1117.46	44.34	1116.58	0.39	412999.84	729655.73	
9299.00	87.48	181.95	8203.96	-1212.27	41.11	1211.43	0.96	412905.03	729652.50	
9394.00	87.97	181.99	8207.73	-1307.14	37.85	1306.34	0.52	412810.16	729649.24	
9489.00	89.23	181.65	8210.06	-1402.06	34.83	1401.30	1.37	412715.24	729646.22	
9583.00	89.09	180.62	8211.43	-1496.03	32.97	1495.29	1.11	412621.27	729644.36	
9678.00	90.14	179.99	8212.07	-1591.03	32.46	1590.28	1.29	412526.27	729643.85	
9773.00	89.44	180.09	8212.42	-1686.03	32.40	1685.27	0.74	412431.27	729643.79	
9869.00	89.86	181.12	8213.01	-1782.02	31.38	1781.26	1.16	412335.28	729642.77	
9963.00	90.14	181.65	8213.01	-1875.99	29.11	1875.26	0.64	412241.31	729640.50	
10058.00	86.78	180.04	8215.56	-1970.93	27.71	1970.21	3.92	412146.37	729639.10	
10153.00	87.34	179.64	8220.43	-2065.80	27.97	2065.06	0.72	412051.50	729639.36	
10248.00	89.86	179.61	8222.75	-2160.76	28.59	2160.00	2.65	411956.54	729639.98	
10342.00	90.70	179.89	8222.29	-2254.76	29.01	2253.98	0.94	411862.54	729640.40	
10437.00	89.51	180.37	8222.12	-2349.76	28.79	2348.97	1.35	411767.54	729640.18	
10532.00	88.81	180.56	8223.51	-2444.74	28.02	2443.96	0.76	411672.56	729639.41	
10627.00	87.76	182.02	8226.35	-2539.67	25.88	2538.91	1.89	411577.63	729637.27	
10721.00	88.25	182.76	8229.63	-2633.53	21.96	2632.82	0.94	411483.77	729633.35	
10816.00	88.11	183.12	8232.64	-2728.36	17.09	2727.71	0.41	411388.94	729628.48	
10911.00	88.74	183.31	8235.26	-2823.18	11.77	2822.60	0.69	411294.12	729623.16	
11006.00	88.25	183.13	8237.75	-2917.99	6.43	2917.49	0.55	411199.31	729617.82	
11101.00	88.32	182.04	8240.59	-3012.85	2.15	3012.41	1.15	411104.45	729613.54	
11195.00	89.65	180.81	8242.26	-3106.80	-0.19	3106.39	1.93	411010.50	729611.20	
11289.00	88.25	181.60	8243.98	-3200.76	-2.16	3200.37	1.71	410916.54	729609.23	
11384.00	87.97	180.91	8247.11	-3295.69	-4.24	3295.32	0.78	410821.61	729607.15	
11479.00	87.62	180.17	8250.77	-3390.61	-5.14	3390.24	0.86	410726.69	729606.25	
11574.00	88.11	179.48	8254.31	-3485.55	-4.85	3485.16	0.89	410631.75	729606.54	
11668.00	87.49	178.14	8257.92	-3579.45	-2.90	3579.02	1.57	410537.85	729608.49	
11763.00	90.21	181.27	8259.82	-3674.41	-2.41	3673.96	4.36	410442.89	729608.98	
11857.00	90.00	180.93	8259.65	-3768.40	-4.21	3767.96	0.43	410348.90	729607.18	
11952.00	88.74	181.15	8260.70	-3863.37	-5.94	3862.95	1.35	410253.93	729605.45	
12047.00	87.90	181.10	8263.48	-3958.31	-7.80	3957.91	0.89	410158.99	729603.59	
12141.00	90.14	182.37	8265.09	-4052.25	-10.65	4051.88	2.74	410065.05	729600.74	
12236.00	88.53	182.01	8266.19	-4147.17	-14.28	4146.84	1.74	409970.13	729597.11	
12330.00	88.39	181.15	8268.72	-4241.10	-16.87	4240.80	0.93	409876.20	729594.52	
12425.00	88.39	178.88	8271.39	-4336.05	-16.89	4335.75	2.39	409781.25	729594.50	
12519.00	87.62	177.50	8274.66	-4429.95	-13.93	4429.58	1.68	409687.35	729597.46	
12614.00	86.71	177.63	8279.36	-4524.74	-9.89	4524.30	0.97	409592.56	729601.56	
12709.00	85.94	177.46	8285.45	-4619.46	-5.83	4618.94	0.83	409497.84	729605.56	
12803.00	85.24	177.93	8292.68	-4713.11	-2.06	4712.51	0.90	409404.19	729609.33	
12862.00	84.82	178.26	8297.79	-4771.85	-0.11	4771.21	0.90	409345.45	729611.28	Last Svy
12935.00	84.82	178.26	8304.38	-4844.52	2.10	4843.83	0.00	409272.78	729613.49	Proj to Bit