



Weatherford[®]

Evaluation, Drilling & Intervention
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Devon Energy
333 W. Sherridan Ave
Oklahoma City, OK, 73102

Date: May 27, 2015

30.015-42629

Attention: Scott Schmidt

NM OIL CONSERVATION

ARTESIA DISTRICT

Re: Devon Energy
Well: Burton Flat Deep Unit 62H
Eddy County, New Mexico

NOV 10 2015

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:

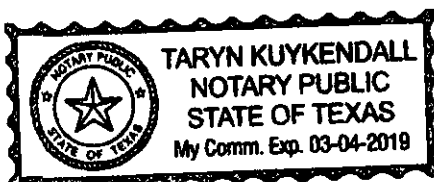
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Jesus Lopez MWD Supervisor	62H	- 71186 MD 12332 MD	5/4/2015 5/24/2015	Measurement While Drilling

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 21st day of May, 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

5D Survey Report**Devon Energy**

Field Name: *Eddy Co, NM (Nad 83 NME)*
Site Name: *Burton Flat Deep Unit 61H, 62H Pad*
Well Name: *Burton Flat Deep Unit 62H*
Survey: *Wft MWD Svy*

25 May 2015



Burton Flat Deep Unit 62H

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 Name Burton Flat Deep Unit 61H, 62H Pad	Units : US ft		North Reference : Grid	
	Convergence Angle : 0.09			
	Position			
	Northing : 548353.37 US ft		Latitude : 32° 30' 26.55"	
	Easting : 592119.04 US ft		Longitude : -104° 10' 6.97"	
	Elevation above Mean Sea Level: 3214.00 US ft			
	Comment :			
Slot Name Burton Flat Deep Unit 62H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft			
	Northing : 548353.37 US ft		Latitude : 32° 30' 26.55"	
	+E / -W : 0.00 US ft		Easting : 592119.04 US ft	
	Longitude : -104° 10' 6.97"			
	Elevation above Mean Sea Level : 3214.00 US ft			
	Comment :			
Well Name Burton Flat Deep Unit 62H	Type : Sidetrack		UWI :	
	Parent : Burton Flat Deep Unit 62H Pilot		Tie Point Method : MD	
	Rig Height : Well TVD Reference : 25.00 US ft		Tie Point : 7009.00 US ft	
	Comment :			
	Relative to Mean Sea Level: 3239.00 US ft			
	Closure Distance : 4922.32 US ft			
	Closure Azimuth : 88.0417°			
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	
	Az : 88.11°			

Survey Name : Wft MWD Svy

Date : 18/May/2015	Survey Tool : MWD	Comment :	Company : Wft
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Magnetic Model				
Model Name: BGGM	Date: 30/May/2015	Field Strength: 48288.1 nT	Declination: 7.59°	Dip: 60.24°

Tie Point
MD: 7009 **Inclination:** 0.66 **Azimuth:** 242.97 **TVD:** 7007.44 **North Offset:** -34.77 **East Offset:** -110.81

Well path created using minimum curvature

Survey Points (Relative to Slot Centre, TVD relative to Well TVD Reference)										
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)	Comment
7118.00	9.59	51.77	7115.97	-29.42	-104.22	-105.13	0.00	548323.95	592014.82	First Wft Svy
7149.00	11.86	50.79	7146.42	-25.81	-99.72	-100.52	7.35	548327.56	592019.32	
7181.00	14.83	54.00	7177.56	-21.32	-93.86	-94.51	9.56	548332.05	592025.18	
7212.00	17.78	58.09	7207.31	-16.49	-86.63	-87.13	10.21	548336.88	592032.41	
7244.00	21.71	59.38	7237.42	-10.89	-77.39	-77.70	12.36	548342.48	592041.65	
7275.00	25.69	59.77	7265.80	-4.58	-66.64	-66.76	12.85	548348.79	592052.40	
7306.00	29.35	59.23	7293.29	2.69	-54.30	-54.19	11.83	548356.06	592064.74	
7338.00	33.77	58.66	7320.55	11.33	-39.96	-39.57	13.84	548364.70	592079.08	
7369.00	37.67	58.98	7345.71	20.70	-24.48	-23.78	12.60	548374.07	592094.56	
7400.00	41.51	59.53	7369.60	30.79	-7.50	-6.48	12.44	548384.16	592111.54	
7432.00	45.47	60.80	7392.81	41.74	11.60	12.97	12.67	548395.11	592130.64	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)										
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)	Comment
7463.00	49.03	61.75	7413.85	52.67	31.56	33.28	11.70	548406.04	592150.60	
7494.00	51.83	63.00	7433.59	63.75	52.73	54.81	9.55	548417.12	592171.77	
7526.00	54.42	64.21	7452.80	75.12	75.66	78.10	8.64	548428.49	592194.70	
7557.00	56.35	65.75	7470.41	85.91	98.78	101.56	7.45	548439.28	592217.82	
7589.00	58.81	67.82	7487.56	96.55	123.61	126.72	9.43	548449.92	592242.65	
7620.00	61.55	69.60	7502.98	106.30	148.66	152.09	10.15	548459.67	592267.70	
7642.00	63.76	70.84	7513.08	112.92	167.05	170.68	11.22	548466.29	592286.09	
7674.00	67.00	72.43	7526.41	122.07	194.66	198.58	11.09	548475.44	592313.70	
7705.00	69.77	73.60	7537.83	130.49	222.22	226.40	9.60	548483.86	592341.26	
7710.50	70.28	73.83	7539.71	131.94	227.18	231.41	10.05	548485.31	592346.22	Cross Prod. Box
7737.00	72.74	74.90	7548.11	138.71	251.38	255.82	10.05	548492.08	592370.42	
7768.00	75.29	76.11	7556.65	146.17	280.23	284.90	9.04	548499.54	592399.27	
7800.00	77.82	77.60	7564.09	153.24	310.53	315.42	9.11	548506.61	592429.57	
7831.00	79.95	79.00	7570.07	159.41	340.32	345.39	8.18	548512.78	592459.36	
7862.00	81.86	80.53	7574.97	164.85	370.44	375.68	7.86	548518.22	592489.48	
7894.00	83.13	82.60	7579.15	169.50	401.82	407.19	7.54	548522.87	592520.86	
7926.00	83.84	83.76	7582.78	173.27	433.39	438.87	4.23	548526.64	592552.43	
7957.00	84.26	84.95	7585.99	176.31	464.07	469.63	4.05	548529.68	592583.11	
7988.00	84.74	85.91	7588.96	178.77	494.83	500.46	3.45	548532.14	592613.87	
8020.00	85.03	86.97	7591.81	180.74	526.64	532.31	3.42	548534.11	592645.68	
8051.00	85.59	88.16	7594.35	182.06	557.51	563.21	4.23	548535.43	592676.55	
8083.00	86.43	89.19	7596.58	182.79	589.42	595.13	4.15	548536.16	592708.46	
8114.00	87.20	89.86	7598.30	183.05	620.37	626.07	3.29	548536.42	592739.41	
8146.00	87.97	90.67	7599.65	182.90	652.34	658.02	3.49	548536.27	592771.38	
8177.00	88.88	90.91	7600.50	182.48	683.33	688.97	3.04	548535.85	592802.37	
8271.00	88.11	90.25	7602.97	181.52	777.29	782.85	1.08	548534.89	592896.33	
8365.00	87.97	89.83	7606.18	181.46	871.23	876.74	0.47	548534.83	592990.27	
8459.00	88.39	90.26	7609.17	181.39	965.19	970.64	0.64	548534.76	593084.23	
8553.00	89.51	90.46	7610.89	180.79	1059.17	1064.55	1.21	548534.16	593178.21	
8647.00	89.51	90.28	7611.69	180.19	1153.16	1158.48	0.19	548533.56	593272.20	
8741.00	89.02	90.00	7612.90	179.96	1247.15	1252.41	0.60	548533.33	593366.19	
8835.00	89.51	90.14	7614.11	179.84	1341.14	1346.35	0.54	548533.21	593460.18	
8929.00	89.51	90.15	7614.91	179.61	1435.14	1440.28	0.01	548532.98	593554.18	
9023.00	89.23	90.29	7615.94	179.24	1529.13	1534.21	0.33	548532.61	593648.17	
9117.00	90.07	90.65	7616.52	178.47	1623.13	1628.13	0.97	548531.84	593742.17	
9212.00	90.21	90.59	7616.29	177.45	1718.12	1723.04	0.16	548530.82	593837.16	
9306.00	90.70	91.03	7615.54	176.12	1812.11	1816.93	0.70	548529.49	593931.15	
9400.00	89.51	90.98	7615.37	174.47	1906.09	1910.81	1.27	548527.84	594025.13	
9494.00	89.30	91.17	7616.34	172.70	2000.07	2004.68	0.30	548526.07	594119.11	
9589.00	89.37	91.21	7617.45	170.73	2095.04	2099.54	0.08	548524.10	594214.08	
9683.00	88.95	90.96	7618.82	168.95	2189.02	2193.40	0.52	548522.32	594308.06	
9777.00	89.79	91.48	7619.86	166.95	2282.99	2287.25	1.05	548520.32	594402.03	
9871.00	89.51	91.48	7620.43	164.52	2376.96	2381.09	0.30	548517.89	594496.00	
9965.00	89.37	91.71	7621.35	161.91	2470.92	2474.91	0.29	548515.28	594589.96	
10059.00	89.09	91.71	7622.61	159.10	2564.86	2568.72	0.30	548512.47	594683.90	
10153.00	88.67	91.94	7624.45	156.11	2658.80	2662.50	0.51	548509.48	594777.84	
10247.00	89.02	91.16	7626.35	153.57	2752.74	2756.31	0.91	548506.94	594871.78	
10342.00	88.53	90.87	7628.38	151.88	2847.71	2851.17	0.60	548505.25	594966.75	
10436.00	88.60	89.91	7630.73	151.24	2941.67	2945.06	1.02	548504.61	595060.71	
10530.00	88.39	89.27	7633.20	151.92	3035.64	3039.00	0.72	548505.29	595154.68	
10624.00	89.58	89.17	7634.86	153.20	3129.61	3132.96	1.27	548506.57	595248.65	
10718.00	89.44	88.92	7635.67	154.76	3223.60	3226.95	0.30	548508.13	595342.64	
10812.00	89.37	88.69	7636.64	156.72	3317.57	3320.94	0.26	548510.09	595436.61	
10906.00	88.60	89.57	7638.31	158.15	3411.54	3414.90	1.24	548511.52	595530.58	
11000.00	88.04	89.89	7641.07	158.59	3505.50	3508.83	0.69	548511.96	595624.54	
11095.00	87.90	90.13	7644.43	158.58	3600.44	3603.71	0.29	548511.95	595719.48	
11189.00	88.39	89.26	7647.47	159.08	3694.39	3697.63	1.06	548512.45	595813.43	
11283.00	87.97	88.84	7650.46	160.63	3788.33	3791.57	0.63	548514.00	595907.37	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)										
MD (US ft)	Incl (°)	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)	Comment
11377.00	89.02	88.48	7652.93	162.83	3882.27	3885.53	1.18	548516.20	596001.31	
11471.00	88.81	89.36	7654.71	164.60	3976.24	3979.50	0.96	548517.97	596095.28	
11565.00	88.60	89.41	7656.83	165.61	4070.21	4073.45	0.23	548518.98	596189.25	
11659.00	88.39	89.27	7659.30	166.69	4164.17	4167.40	0.27	548520.06	596283.21	
11754.00	87.97	88.48	7662.32	168.56	4259.10	4262.34	0.94	548521.93	596378.14	
11848.00	87.83	89.75	7665.76	170.01	4353.02	4356.26	1.36	548523.38	596472.06	
11942.00	86.78	89.57	7670.18	170.57	4446.92	4450.12	1.13	548523.94	596565.96	
12036.00	86.99	90.55	7675.29	170.47	4540.78	4543.93	1.06	548523.84	596659.82	
12130.00	87.69	90.84	7679.65	169.33	4634.67	4637.73	0.81	548522.70	596753.71	
12224.00	87.62	90.30	7683.50	168.40	4728.59	4731.57	0.58	548521.77	596847.63	
12332.00	87.90	89.96	7687.72	168.15	4836.50	4839.42	0.41	548521.52	596955.54	Last Wft Svy 62H
12376.00	87.90	89.96	7689.33	168.18	4880.47	4883.36	0.00	548521.55	596999.51	Cross Prod. Box
12415.00	87.90	89.96	7690.76	168.21	4919.45	4922.32	0.00	548521.58	597038.49	Proj. To Bit



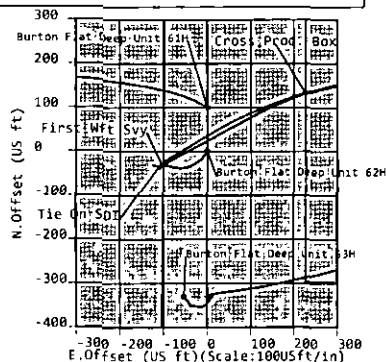
Burton Flat Deep Unit 62H
Eddy Co, NM



Plan Data for Burton Flat Deep Unit 62H

Plan Point Information:										
DogLeg Severity Unit: */100.00ft										
Position offsets from Slot centre										
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	Vsec	DLS	
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)	
11283.00	87.97	88.84	7650.46	160.65	3788.32	548514.02	595907.36	3791.56	0.63	
11354.14	88.75	90.03	7652.50	161.35	3859.43	548514.72	595978.47	3862.65	2.00	
11572.14	88.75	90.03	7657.25	161.24	4077.38	548514.61	596196.42	4080.48	0.00	
11609.47	88.00	90.04	7658.31	161.21	4114.69	548514.58	596233.73	4117.77	2.00	
12375.61	88.00	90.04	7685.00	160.70	4880.37	548514.07	596999.41	4883.02	0.00	

Burton Flat Deep Unit 62H
Burton Flat Deep Unit 61H
Burton Flat Deep Unit 53H
Burton Flat Deep Unit 62H Pilot
Burton Flat Deep Unit 62H



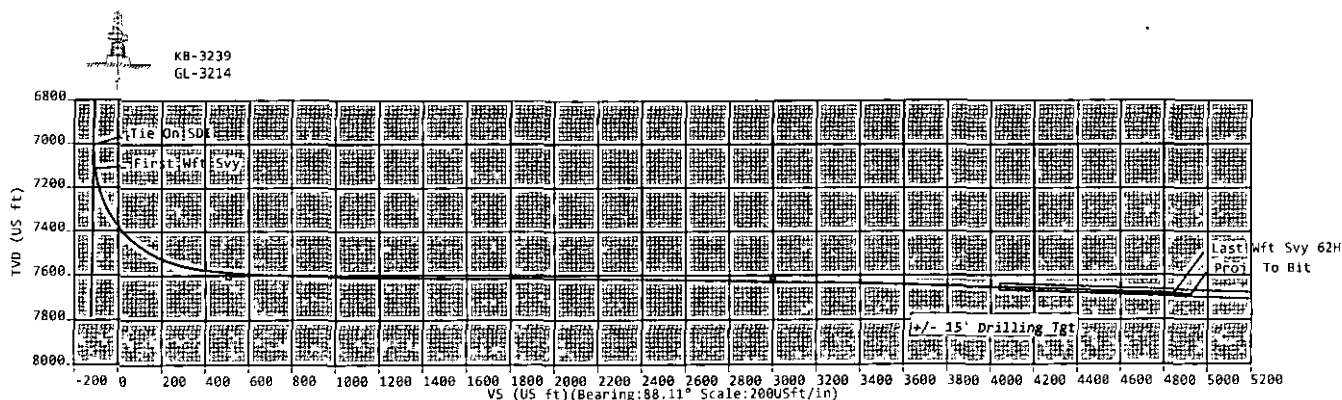
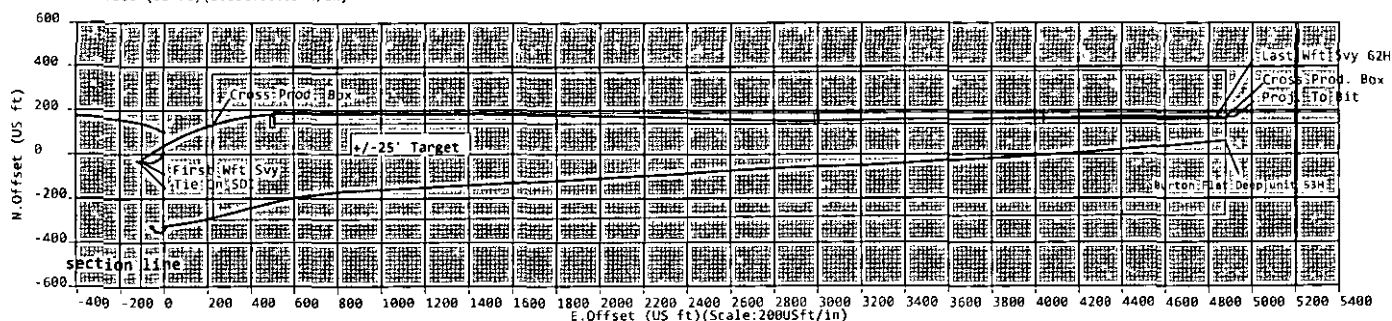
Plan Data for Burton Flat Deep Unit 62H

Target Set Information:						
Name: Burton Flat Deep Unit 62H						
Position offsets from Slot centre						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Comment
	(USft)	(USft)	(USft)	(USft)	(USft)	
LP Tgt	7609.00	142.51	501.36	548495.88	592620.40	Cuboid
3000' VS	7624.00	159.81	2996.59	548513.18	595115.63	Cuboid
PBHL 62H	7685.00	160.70	4880.37	548514.07	596999.41	Cuboid

Plan Data for Burton Flat Deep Unit 62H			
Well: Burton Flat Deep Unit 62H			
Type: Side-track			
File Number:			
Plan folder: PJ			
Vertical Section: Position offset of origin from Slot centre:			
+N/-S: 0.00USft			
+E/-W: 0.00USft			
Magnetic Parameters:			
Model: Field Strength			
BGM 48260(mT)			
Declination: Dip: Date:			
7.5u 60.24 2015-05-30			

Plan Data for Burton Flat Deep Unit 62H

Slot: Burton Flat Deep Unit 62H			
Position:			
Offset is from Site centre			
+N/-S: 0.00USft			
+E/-W: 0.00USft			
Northing: 548353.37USft			
Easting: 592119.04USft			
Latitude: 32°30'26.6"			
Longitude: -104°10'7.0"			
Elevation Above VRD: 3214.00USft			



Sign Off: Russell Joyner



Well Name: BURTON FLAT DEEP UNIT 62H

Sub-Division DELAWARE BASIN WEST		Region SLOPE WEST		Field Name BURTON FLAT		County EDDY		State/Province NM					
Surface Legal Location SEC. 2 T21S R27E		API/UWI 3001542629		Latitude (") 32° 30' 26.067" N		Longitude (") 104° 10' 5.028" W		Orig KB Elevation (ft) 3,238.80		Ground Elev MSL (ft) 3,213.80		KB - GL (ft) 25.00	
Wellbores													
Wellbore Name OH				Parent Wellbore OH				SAP Well ID 38315				Vertical Section Direction (") 255.66	
Kick Offs & Key Depths													
Date				Type				Top Depth (ftKB)					
Actual Deviation Survey				Definitive?		Proposed?		Proposed Deviation Survey					
Deviation Survey													
Date				Description									
MD Tie In (ftKB)		TVD Tie In (ftKB)		Inclination Tie In (")		Azimuth Tie In (")		NSTie In (ft)		EWTie In (ft)			
Survey Data													
Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company			
Wellbore Name ST01				Parent Wellbore OH				SAP Well ID				Vertical Section Direction (") 88.11	
Kick Offs & Key Depths													
Date 5/15/2015				Type Kick Off				Top Depth (ftKB) 7,057.0					
Actual Deviation Survey MWD, Proposed? No				Definitive? No		Proposed? No		Proposed Deviation Survey					
Deviation Survey													
Date 5/15/2015				Description MWD									
MD Tie In (ftKB)		TVD Tie In (ftKB)		Inclination Tie In (")		Azimuth Tie In (")		NSTie In (ft)		EWTie In (ft)			
Survey Data													
Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company			
5/12/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	GYRO	SCIENTIFIC DRILLING			
5/12/2015	100.00	0.07	160.77	100.00	0.02	-0.06	0.02	0.07	GYRO	SCIENTIFIC DRILLING			
5/12/2015	284.00	0.51	212.41	284.00	-0.41	-0.86	-0.38	0.26	GYRO	SCIENTIFIC DRILLING			
5/12/2015	378.00	0.82	213.39	377.99	-1.03	-1.77	-0.98	0.33	GYRO	SCIENTIFIC DRILLING			
5/12/2015	439.00	1.11	211.14	438.98	-1.61	-2.64	-1.52	0.48	GYRO	SCIENTIFIC DRILLING			
5/12/2015	534.00	1.15	215.93	533.96	-2.69	-4.20	-2.56	0.11	GYRO	SCIENTIFIC DRILLING			
5/12/2015	716.00	1.15	218.37	715.93	-4.99	-7.11	-4.76	0.03	GYRO	SCIENTIFIC DRILLING			
5/12/2015	797.00	1.16	218.83	796.91	-6.05	-8.39	-5.78	0.02	GYRO	SCIENTIFIC DRILLING			
5/12/2015	888.00	1.16	215.17	887.89	-7.21	-9.86	-6.89	0.08	GYRO	SCIENTIFIC DRILLING			
5/12/2015	983.00	1.23	218.17	982.87	-8.45	-11.44	-8.07	0.10	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,077.50	1.27	219.15	1,077.35	-9.79	-13.05	-9.36	0.05	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,172.00	1.16	217.42	1,171.83	-11.08	-14.63	-10.60	0.12	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,266.50	1.12	219.74	1,266.31	-12.30	-16.10	-11.78	0.06	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,361.00	1.19	225.50	1,360.79	-13.64	-17.49	-13.07	0.14	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,452.00	1.11	231.13	1,451.77	-15.04	-18.71	-14.43	0.15	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,546.50	1.04	233.92	1,546.25	-16.48	-19.79	-15.83	0.09	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,641.00	1.06	235.37	1,640.74	-17.92	-20.79	-17.24	0.04	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,735.50	0.95	237.18	1,735.22	-19.33	-21.71	-18.62	0.12	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,830.00	1.08	236.85	1,829.71	-20.76	-22.62	-20.03	0.14	GYRO	SCIENTIFIC DRILLING			
5/12/2015	1,924.50	0.95	235.78	1,924.19	-22.18	-23.55	-21.42	0.14	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,019.00	1.00	238.40	2,018.68	-23.56	-24.42	-22.77	0.07	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,113.50	1.00	235.86	2,113.17	-24.98	-25.32	-24.15	0.05	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,208.00	1.05	236.72	2,207.65	-26.41	-26.26	-25.56	0.06	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,299.00	1.03	234.17	2,298.64	-27.80	-27.19	-26.92	0.06	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,393.50	1.00	236.81	2,393.12	-29.21	-28.14	-28.30	0.06	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,488.00	1.00	242.04	2,487.61	-30.66	-28.98	-29.72	0.10	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,582.50	0.97	242.45	2,582.09	-32.12	-29.74	-31.16	0.03	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,677.00	1.00	239.62	2,676.58	-33.57	-30.52	-32.58	0.06	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,771.50	0.91	239.44	2,771.07	-34.95	-31.32	-33.93	0.10	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,866.00	0.95	242.32	2,865.55	-36.31	-32.07	-35.27	0.07	GYRO	SCIENTIFIC DRILLING			
5/12/2015	2,958.50	0.86	235.68	2,958.04	-37.59	-32.81	-36.53	0.15	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,053.00	0.63	240.31	3,052.53	-38.65	-33.47	-37.56	0.25	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,147.50	0.84	248.15	3,147.03	-39.76	-33.99	-38.66	0.25	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,242.00	0.99	255.36	3,241.51	-41.20	-34.45	-40.09	0.20	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,336.50	1.09	254.94	3,336.00	-42.88	-34.89	-41.75	0.11	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,431.00	1.24	250.35	3,430.48	-44.72	-35.47	-43.58	0.19	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,523.00	1.38	251.32	3,522.46	-46.73	-36.16	-45.57	0.15	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,617.50	1.57	261.50	3,616.92	-49.11	-36.71	-47.92	0.34	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,712.00	1.62	263.79	3,711.39	-51.73	-37.05	-50.53	0.09	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,806.50	1.56	264.67	3,805.85	-54.34	-37.31	-53.14	0.07	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,901.00	1.61	264.91	3,900.31	-56.95	-37.55	-55.74	0.05	GYRO	SCIENTIFIC DRILLING			
5/12/2015	3,995.50	1.54	267.07	3,994.78	-59.55	-37.73	-58.33	0.10	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,090.00	1.57	268.85	4,089.24	-62.11	-37.82	-60.90	0.06	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,184.50	1.56	272.04	4,183.71	-64.69	-37.80	-63.48	0.09	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,279.00	1.69	272.57	4,278.17	-67.36	-37.70	-66.15	0.14	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,370.50	1.69	273.70	4,369.63	-70.05	-37.55	-68.85	0.04	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,465.00	1.70	276.34	4,464.09	-72.82	-37.30	-71.63	0.08	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,559.50	1.68	278.78	4,558.55	-75.57	-36.94	-74.39	0.08	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,654.00	1.67	280.42	4,653.01	-78.28	-36.48	-77.12	0.05	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,748.50	1.69	280.51	4,747.47	-80.99	-35.97	-79.84	0.02	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,843.00	1.75	283.50	4,841.93	-83.74	-35.38	-82.62	0.11	GYRO	SCIENTIFIC DRILLING			
5/12/2015	4,935.50	1.82	286.69	4,934.38	-86.49	-34.63	-85.40	0.13	GYRO	SCIENTIFIC DRILLING			
5/12/2015	5,030.00	1.88	287.03	5,028.83	-89.38	-33.75	-88.32	0.06	GYRO	SCIENTIFIC DRILLING			



Directional Survey

Well Name: BURTON FLAT DEEP UNIT 62H

Sub-Division DELAWARE BASIN WEST		Region SLOPE WEST		Field Name BURTON FLAT		County EDDY		State/Province NM	
Surface Legal Location SEC. 2 T21S R27E		API/UWI 3001542629	Latitude (") 32° 30' 26.067" N	Longitude (") 104° 10' 5.028" W	Orig KB Elevation (ft) 3,238.80	Ground Elev MSL (ft) 3,213.80	KB - GL (ft) 25.00		

Survey Data

Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company
5/12/2015	5,124.50	1.97	285.36	5,123.28	-92.40	-32.86	-91.36	0.11	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,219.00	1.81	277.65	5,217.73	-95.42	-32.23	-94.41	0.32	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,313.50	1.85	268.11	5,312.18	-98.42	-32.09	-97.41	0.32	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,408.00	1.80	262.36	5,406.63	-101.42	-32.33	-100.41	0.20	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,502.50	1.76	256.34	5,501.09	-104.32	-32.87	-103.29	0.20	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,597.00	1.72	250.22	5,595.54	-107.09	-33.70	-106.03	0.20	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,691.50	1.08	238.34	5,690.01	-109.21	-34.64	-108.13	0.74	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,786.00	0.91	216.30	5,784.50	-110.45	-35.72	-109.33	0.44	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,879.00	0.83	205.61	5,877.49	-111.22	-36.92	-110.06	0.19	GYRO	SCIENTIFIC DRILLING
5/12/2015	5,973.50	0.63	212.06	5,971.98	-111.82	-37.98	-110.63	0.23	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,068.00	0.19	205.92	6,066.48	-112.18	-38.56	-110.97	0.47	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,162.50	0.48	101.60	6,160.98	-111.87	-38.78	-110.65	0.59	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,257.00	0.83	81.43	6,255.47	-110.81	-38.75	-109.59	0.44	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,349.50	0.59	41.75	6,347.96	-109.81	-38.30	-108.61	0.58	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,444.00	0.49	352.98	6,442.46	-109.51	-37.54	-108.34	0.48	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,536.50	0.50	319.57	6,534.96	-109.80	-36.84	-108.65	0.31	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,631.00	0.57	305.00	6,629.45	-110.43	-36.25	-109.30	0.16	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,725.50	0.47	332.93	6,723.95	-110.98	-35.64	-109.86	0.28	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,820.00	0.28	339.95	6,818.45	-111.21	-35.08	-110.12	0.21	GYRO	SCIENTIFIC DRILLING
5/12/2015	6,914.50	0.23	338.82	6,912.95	-111.35	-34.68	-110.26	0.05	GYRO	SCIENTIFIC DRILLING
5/12/2015	7,009.00	0.66	242.97	7,007.44	-111.90	-34.75	-110.82	0.76	GYRO	SCIENTIFIC DRILLING
5/12/2015	7,118.00	9.59	51.77	7,115.97	-105.14	-29.40	-104.23	9.39	GYRO	SCIENTIFIC DRILLING
5/12/2015	7,149.00	11.86	50.79	7,146.42	-100.52	-25.79	-99.73	7.35	GYRO	SCIENTIFIC DRILLING
5/16/2015	7,181.00	14.83	54.00	7,177.56	-94.52	-21.31	-93.87	9.56	MWD	WEATHERFORD
5/16/2015	7,212.00	17.78	58.09	7,207.31	-87.13	-16.47	-86.64	10.21	MWD	WEATHERFORD
5/16/2015	7,244.00	21.71	59.38	7,237.42	-77.71	-10.87	-77.39	12.36	MWD	WEATHERFORD
5/16/2015	7,275.00	25.69	59.77	7,265.80	-66.76	-4.57	-66.65	12.85	MWD	WEATHERFORD
5/16/2015	7,306.00	29.35	59.23	7,293.29	-54.19	2.71	-54.31	11.83	MWD	WEATHERFORD
5/17/2015	7,338.00	33.77	58.66	7,320.55	-39.57	11.35	-39.97	13.84	MWD	WEATHERFORD
5/17/2015	7,369.00	37.67	58.98	7,345.71	-23.79	20.72	-24.49	12.60	MWD	WEATHERFORD
5/17/2015	7,400.00	41.51	59.53	7,369.60	-6.49	30.81	-7.51	12.44	MWD	WEATHERFORD
5/17/2015	7,432.00	45.47	60.80	7,392.81	12.97	41.76	11.60	12.67	MWD	WEATHERFORD
5/17/2015	7,463.00	49.03	61.75	7,413.85	33.28	52.69	31.56	11.70	MWD	WEATHERFORD
5/17/2015	7,494.00	51.83	63.00	7,433.59	54.80	63.76	52.73	9.55	MWD	WEATHERFORD
5/17/2015	7,526.00	54.42	64.21	7,452.80	78.09	75.14	75.66	8.64	MWD	WEATHERFORD
5/17/2015	7,557.00	56.35	65.75	7,470.41	101.56	85.92	98.78	7.45	MWD	WEATHERFORD
5/18/2015	7,589.00	58.81	67.82	7,487.56	126.72	96.56	123.60	9.43	MWD	WEATHERFORD
5/18/2015	7,620.00	61.55	69.60	7,502.98	152.08	106.32	148.66	10.15	MWD	WEATHERFORD
5/18/2015	7,642.00	63.76	70.84	7,513.08	170.68	112.93	167.05	11.22	MWD	WEATHERFORD
5/18/2015	7,674.00	67.00	72.43	7,526.41	198.57	122.09	194.65	11.09	MWD	WEATHERFORD
5/18/2015	7,705.00	69.77	73.60	7,537.83	226.40	130.51	222.21	9.60	MWD	WEATHERFORD
5/18/2015	7,737.00	72.74	74.90	7,548.11	255.81	138.73	251.37	10.05	MWD	WEATHERFORD
5/18/2015	7,768.00	75.29	76.11	7,556.65	284.89	146.19	280.22	9.04	MWD	WEATHERFORD
5/18/2015	7,800.00	77.82	77.60	7,564.09	315.41	153.26	310.53	9.11	MWD	WEATHERFORD
5/18/2015	7,831.00	79.95	79.00	7,570.07	345.39	159.43	340.31	8.18	MWD	WEATHERFORD
5/18/2015	7,862.00	81.86	80.53	7,574.97	375.67	164.86	370.43	7.86	MWD	WEATHERFORD
5/18/2015	7,894.00	83.13	82.60	7,579.15	407.19	169.52	401.81	7.54	MWD	WEATHERFORD
5/18/2015	7,926.00	83.84	83.76	7,582.78	438.86	173.29	433.38	4.23	MWD	WEATHERFORD
5/18/2015	7,957.00	84.26	84.95	7,585.99	469.63	176.32	464.06	4.05	MWD	WEATHERFORD
5/18/2015	7,988.00	84.74	85.91	7,588.96	500.45	178.78	494.82	3.45	MWD	WEATHERFORD
5/18/2015	8,020.00	85.03	86.97	7,591.81	532.31	180.76	526.63	3.42	MWD	WEATHERFORD
5/18/2015	8,051.00	85.59	88.16	7,594.35	563.20	182.07	557.50	4.23	MWD	WEATHERFORD
5/18/2015	8,083.00	86.43	89.19	7,596.58	595.12	182.81	589.41	4.15	MWD	WEATHERFORD
5/18/2015	8,114.00	87.20	89.86	7,598.30	626.07	183.07	620.37	3.29	MWD	WEATHERFORD
5/18/2015	8,146.00	87.97	90.67	7,599.65	658.01	182.92	652.34	3.49	MWD	WEATHERFORD
5/18/2015	8,177.00	88.88	90.91	7,600.50	688.97	182.49	683.32	3.04	MWD	WEATHERFORD
5/18/2015	8,271.00	88.11	90.25	7,602.97	782.85	181.54	777.28	1.08	MWD	WEATHERFORD
5/18/2015	8,365.00	87.97	89.83	7,606.18	876.74	181.48	871.23	0.47	MWD	WEATHERFORD
5/18/2015	8,459.00	88.39	90.26	7,609.17	970.64	181.40	965.18	0.64	MWD	WEATHERFORD
5/18/2015	8,553.00	89.51	90.46	7,610.89	1,064.55	180.81	1,059.16	1.21	MWD	WEATHERFORD
5/18/2015	8,647.00	89.51	90.28	7,611.69	1,158.47	180.21	1,153.16	0.19	MWD	WEATHERFORD
5/18/2015	8,741.00	89.02	90.00	7,612.90	1,252.40	179.98	1,247.15	0.60	MWD	WEATHERFORD
5/18/2015	8,835.00	89.51	90.14	7,614.11	1,346.34	179.86	1,341.14	0.54	MWD	WEATHERFORD
5/18/2015	8,929.00	89.51	90.15	7,614.91	1,440.28	179.62	1,435.13	0.01	MWD	WEATHERFORD
5/18/2015	9,023.00	89.23	90.29	7,615.94	1,534.21	179.26	1,529.13	0.33	MWD	WEATHERFORD
5/18/2015	9,117.00	90.07	90.65	7,616.52	1,628.13	178.49	1,623.12	0.97	MWD	WEATHERFORD
5/18/2015	9,212.00	90.21	90.59	7,616.29	1,723.03	177.46	1,718.12	0.16	MWD	WEATHERFORD
5/18/2015	9,306.00	90.70	91.03	7,615.54	1,816.93	176.13	1,812.10	0.70	MWD	WEATHERFORD
5/18/2015	9,400.00	89.51	90.98	7,615.37	1,910.81	174.49	1,906.09	1.27	MWD	WEATHERFORD
5/18/2015	9,494.00	89.30	91.17	7,616.34	2,004.67	172.72	2,000.07	0.30	MWD	WEATHERFORD
5/18/2015	9,589.00	89.37	91.21	7,617.45	2,099.53	170.75	2,095.04	0.08	MWD	WEATHERFORD
5/18/2015	9,683.00	88.95	90.96	7,618.82	2,193.39	168.97	2,189.01	0.52	MWD	WEATHERFORD
5/18/2015	9,777.00	89.79	91.48	7,619.86	2,287.25	166.97	2,282.98	1.05	MWD	WEATHERFORD
5/18/2015	9,871.00	89.51	91.48	7,620.43	2,381.08	164.54	2,376.95	0.30	MWD	WEATHERFORD
5/18/2015	9,965.00	89.37	91.71	7,621.35	2,474.91	161.92	2,470.91	0.29	MWD	WEATHERFORD
5/18/2015	10,059.00	89.09	91.71	7,622.61	2,568.71	159.12	2,564.86	0.30	MWD	WEATHERFORD
5/18/2015	10,153.00	88.67	91.94	7,624.45	2,662.50	156.13	2,658.79	0.51	MWD	WEATHERFORD



Well Name: BURTON FLAT DEEP UNIT 62H

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