



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

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

Date: April 21, 2015

Attention: Scott Schmidt

Re: Devon Energy
Well: Lone Tree Draw 14 State Com 3H
Eddy County, New Mexico

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 31 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:

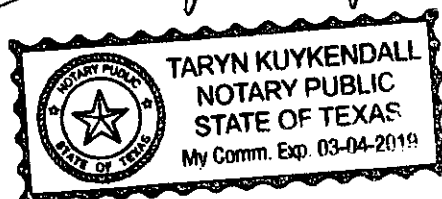
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Jesus Lopez MWD Supervisor	3H	414 MD 11786 MD	4/2/2015 4/18/2015	Measurement While Drilling

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 10th 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 whereof, 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:** *Lone Tree Draw 14 State Com 1H,3H Pad***Well Name:** *Lone Tree Draw 14 State Com 3H***Survey:** *Wft MWD Svy*

17 April 2015



Lone Tree Draw 14 State Com 3H

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 Lone Tree Draw 14 State Com 1H,3H Pad	Units : US ft	North Reference : Grid
	Position	Convergence Angle : 0.10
	Northings : 541479.98 US ft	Latitude : 32° 29' 18.47"
	Easting : 596288.24 US ft	Longitude : -104° 9' 18.41"
	Elevation above Mean Sea Level: 3221.00 US ft	
	Comment :	
Slot Name Lone Tree Draw 14 State Com 3H	Position (Offsets relative to Site Centre)	
	+N / -S : 0.31 US ft	Northings : 541480.29 US ft
	+E / -W : 50.02 US ft	Easting : 596338.26 US ft
		Latitude : 32° 29' 18.47"
		Longitude : -104° 9' 17.83"
	Slot TVD Reference : Ground Elevation	
	Elevation above Mean Sea Level : 3219.00 US ft	
	Comment :	
Well Name Lone Tree Draw 14 State Com 3H	Type : Main well	UWI :
	Rig Height : Well TVD Reference : 25.00 US ft	Comment :
	Relative to Mean Sea Level: 3244.00 US ft	
	Closure Distance : 5391.85 US ft	Closure Azimuth : 176.699°
	Vertical Section (Position of Origin Relative to Slot)	
	+N / -S : 0.00 US ft	+E / -W : 0.00 US ft
		Az : 177.98°

Survey Name: Wft MWD Svy

Date : 06/Apr/2015 **Survey Tool :** MWD **Comment :** **Company :** Wft

Magnetic Model

Model Name: BGGM **Date:** 15/Apr/2015 **Field Strength:** 48293.8 nT **Declination:** 7.59° **Dip:** 60.23°

Tie Point

MD: 278 **Inclination:** 0.93 **Azimuth:** 284.79 **TVD:** 277.98 **North Offset:** 0.76179 **East Offset:** -3.01317

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)	Northings (US ft)	Easting (US ft)	Comment
114.00	0.85	301.89	113.06	1.50	1.04	1.75	0.00	541481.87	596333.82	First WR Svy
506.00	0.69	306.13	505.96	2.26	-5.96	-2.47	0.18	541482.55	596332.30	
597.00	0.89	306.86	596.95	3.01	-6.97	-3.25	0.22	541483.30	596331.29	
689.00	0.97	298.52	688.93	3.81	-8.23	-4.10	0.17	541484.10	596330.03	
781.00	1.09	297.06	780.92	4.58	-9.69	-4.92	0.13	541484.87	596328.57	
871.00	1.16	294.59	870.90	5.35	-11.28	-5.74	0.09	541485.64	596326.98	
963.00	1.20	291.77	962.88	6.09	-13.02	-6.55	0.08	541486.38	596325.24	
1053.00	1.09	289.23	1052.86	6.73	-14.71	-7.24	0.13	541487.02	596323.55	
1147.00	1.01	265.12	1146.85	6.95	-16.38	-7.52	0.47	541487.24	596321.88	
1242.00	0.90	275.63	1241.84	6.95	-17.95	-7.58	0.22	541487.24	596320.31	

5D Survey Report

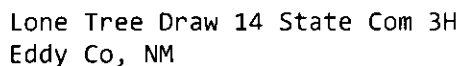
Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
1336.00	0.85	274.36	1335.83	7.08	-19.38	-7.76	0.06	541487.37	596318.88	
1430.00	0.92	278.77	1429.81	7.25	-20.82	-7.97	0.10	541487.54	596317.44	
1524.00	0.94	274.06	1523.80	7.41	-22.34	-8.20	0.08	541487.70	596315.92	
1618.00	1.04	259.53	1617.79	7.31	-23.95	-8.15	0.29	541487.60	596314.31	
1712.00	1.00	251.22	1711.77	6.90	-25.56	-7.79	0.16	541487.19	596312.70	
1806.00	1.35	254.82	1805.75	6.34	-27.41	-7.30	0.38	541486.63	596310.85	
1901.00	1.42	252.92	1900.73	5.70	-29.61	-6.74	0.09	541485.99	596308.65	
1995.00	0.42	286.42	1994.71	5.46	-31.06	-6.55	1.16	541485.75	596307.20	
2089.00	1.16	53.80	2088.71	6.12	-30.62	-7.19	1.55	541486.41	596307.64	
2184.00	1.69	51.12	2183.68	7.56	-28.75	-8.57	0.56	541487.85	596309.51	
2278.00	1.71	50.92	2277.64	9.32	-26.59	-10.25	0.02	541489.61	596311.67	
2372.00	1.57	54.97	2371.60	10.94	-24.44	-11.80	0.19	541491.23	596313.82	
2466.00	1.58	50.75	2465.56	12.50	-22.38	-13.28	0.12	541492.79	596315.88	
2560.00	1.50	53.81	2559.53	14.05	-20.39	-14.76	0.12	541494.34	596317.87	
2655.00	1.46	56.71	2654.50	15.45	-18.37	-16.08	0.09	541495.74	596319.89	
2685.00	1.50	55.18	2684.49	15.88	-17.73	-16.49	0.19	541496.17	596320.53	
2844.00	1.55	46.95	2843.43	18.54	-14.45	-19.03	0.14	541498.83	596323.81	
2938.00	1.43	52.73	2937.40	20.11	-12.59	-20.55	0.20	541500.40	596325.67	
3032.00	1.41	51.92	3031.37	21.54	-10.74	-21.90	0.03	541501.83	596327.52	
3127.00	1.38	44.79	3126.34	23.07	-9.02	-23.37	0.19	541503.36	596329.24	
3221.00	1.40	50.70	3220.31	24.60	-7.33	-24.84	0.15	541504.89	596330.93	
3315.00	1.49	52.90	3314.28	26.07	-5.47	-26.24	0.11	541506.36	596332.79	
3409.00	1.69	48.61	3408.25	27.72	-3.45	-27.82	0.25	541508.01	596334.81	
3503.00	1.69	48.13	3502.21	29.56	-1.38	-29.59	0.02	541509.85	596336.88	
3597.00	0.97	45.61	3596.18	31.04	0.22	-31.02	0.77	541511.33	596338.48	
3691.00	1.15	42.26	3690.16	32.30	1.42	-32.23	0.20	541512.59	596339.68	
3786.00	0.41	36.84	3785.15	33.28	2.27	-33.17	0.78	541513.57	596340.53	
3879.00	0.47	26.72	3878.15	33.88	2.64	-33.77	0.11	541514.17	596340.90	
3973.00	0.53	12.10	3972.15	34.65	2.90	-34.53	0.15	541514.94	596341.16	
4068.00	0.50	27.93	4067.14	35.45	3.19	-35.31	0.15	541515.74	596341.45	
4161.00	0.20	251.65	4160.14	35.75	3.22	-35.62	0.71	541516.04	596341.48	
4255.00	0.16	220.95	4254.14	35.60	2.98	-35.48	0.11	541515.89	596341.24	
4350.00	0.16	210.39	4349.14	35.39	2.83	-35.27	0.03	541515.68	596341.09	
4444.00	0.14	291.09	4443.14	35.32	2.65	-35.20	0.21	541515.61	596340.91	
4538.00	0.14	276.65	4537.14	35.37	2.43	-35.26	0.04	541515.66	596340.69	
4632.00	0.29	298.94	4631.14	35.50	2.11	-35.40	0.18	541515.79	596340.37	
4726.00	0.38	296.47	4725.14	35.75	1.62	-35.68	0.10	541516.04	596339.88	
4820.00	0.45	299.88	4819.14	36.08	1.02	-36.02	0.08	541516.37	596339.28	
4914.00	0.49	300.54	4913.13	36.47	0.36	-36.43	0.04	541516.76	596338.62	
5008.00	0.66	313.02	5007.13	37.04	-0.38	-37.03	0.22	541517.33	596337.88	
5102.00	0.91	315.30	5101.12	37.94	-1.30	-37.96	0.27	541518.23	596336.96	
5196.00	0.85	321.66	5195.11	39.02	-2.26	-39.07	0.12	541519.31	596336.00	
5290.00	1.00	327.39	5289.10	40.25	-3.14	-40.34	0.19	541520.54	596335.12	
5385.00	0.76	317.20	5384.09	41.42	-4.01	-41.53	0.30	541521.71	596334.25	
5479.00	0.64	299.40	5478.08	42.13	-4.89	-42.28	0.26	541522.42	596333.37	
5573.00	0.55	301.55	5572.07	42.62	-5.73	-42.80	0.10	541522.91	596332.53	
5667.00	0.59	281.47	5666.07	42.96	-6.59	-43.16	0.22	541523.25	596331.67	
5761.00	0.36	265.71	5760.07	43.03	-7.36	-43.26	0.28	541523.32	596330.90	
5855.00	0.51	267.78	5854.06	42.99	-8.07	-43.25	0.16	541523.28	596330.19	
5949.00	0.41	254.72	5948.06	42.94	-8.85	-43.23	0.09	541523.23	596329.41	
6035.00	0.63	259.61	6034.06	42.83	-9.65	-43.14	0.23	541523.12	596328.61	
6076.00	0.66	236.12	6075.05	42.65	-10.06	-42.98	0.64	541522.94	596328.20	
6108.00	1.72	176.37	6107.05	42.07	-10.19	-42.41	4.69	541522.36	596328.07	
6139.00	4.74	159.67	6138.00	40.41	-9.71	-40.72	10.10	541520.70	596328.55	
6170.00	8.75	155.93	6168.77	37.05	-8.30	-37.32	13.01	541517.34	596329.96	
6202.00	12.46	153.92	6200.22	31.73	-5.79	-31.91	11.65	541512.02	596332.47	
6233.00	16.31	154.02	6230.25	24.81	-2.41	-24.88	12.42	541505.10	596335.85	
6265.00	20.67	153.29	6260.59	15.72	2.09	-15.63	13.64	541496.01	596340.35	
6296.00	24.92	153.34	6289.16	4.99	7.49	-4.72	13.71	541485.28	596345.75	

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
6327.00	28.98	154.02	6316.79	-7.60	13.71	8.08	13.13	541472.69	596351.97	
6359.00	33.06	154.34	6344.20	-22.45	20.89	23.17	12.76	541457.84	596359.15	
6390.00	36.74	155.21	6369.62	-38.49	28.44	39.47	11.98	541441.80	596366.70	
6421.00	40.13	155.62	6393.90	-56.01	36.45	57.26	10.97	541424.28	596374.71	
6453.00	42.19	156.34	6417.99	-75.25	45.02	76.79	6.61	541405.04	596383.28	
6484.00	44.27	156.64	6440.58	-94.72	53.49	96.55	6.74	541385.57	596391.75	
6516.00	46.42	156.75	6463.07	-115.62	62.50	117.76	6.72	541364.67	596400.76	
6547.00	49.28	156.72	6483.87	-136.74	71.57	139.17	9.23	541343.55	596409.83	
6578.00	52.22	156.99	6503.48	-158.81	81.01	161.56	9.51	541321.48	596419.27	
6610.00	54.74	157.23	6522.52	-182.50	91.01	185.59	7.90	541297.79	596429.27	
6641.00	57.25	157.49	6539.86	-206.21	100.90	209.64	8.13	541274.08	596439.16	
6672.00	59.80	158.18	6556.04	-230.70	110.87	234.46	8.44	541249.59	596449.13	
6704.00	61.97	158.80	6571.61	-256.71	121.12	260.82	6.99	541223.58	596459.38	
6735.00	64.41	159.76	6585.60	-282.58	130.91	287.02	8.34	541197.71	596469.17	
6766.00	66.91	160.48	6598.37	-309.14	140.51	313.90	8.34	541171.15	596478.77	
6798.00	69.12	161.95	6610.35	-337.23	150.06	342.31	8.11	541143.06	596488.32	
6829.00	70.62	162.79	6621.02	-364.97	158.87	370.35	5.47	541115.32	596497.13	
6860.00	71.93	163.92	6630.97	-393.10	167.28	398.75	5.46	541087.19	596505.54	
6892.00	74.21	165.71	6640.29	-422.64	175.30	428.56	8.91	541057.65	596513.56	
6923.00	76.44	167.96	6648.14	-451.84	182.12	457.98	10.05	541028.45	596520.38	
6955.00	78.16	169.70	6655.18	-482.46	188.17	488.80	7.55	540997.83	596526.43	
6986.00	80.31	171.80	6660.97	-512.52	193.06	519.01	9.61	540967.77	596531.32	
7017.00	82.56	173.82	6665.59	-542.93	196.90	549.53	9.71	540937.36	596535.16	
7049.00	85.52	175.51	6668.91	-574.61	199.85	581.30	10.64	540905.68	596538.11	
7078.00	87.83	177.07	6670.59	-603.50	201.73	610.24	9.61	540876.79	596539.99	
7110.00	89.65	177.93	6671.29	-635.46	203.12	642.23	6.29	540844.83	596541.38	
7138.00	89.97	178.35	6671.39	-663.45	204.03	670.23	1.86	540816.84	596542.29	Cross Prod. Box
7141.00	90.00	178.39	6671.39	-666.44	204.12	673.23	1.86	540813.85	596542.38	
7172.00	89.58	178.36	6671.50	-697.43	205.00	704.22	1.36	540782.86	596543.26	
7266.00	90.49	178.23	6671.45	-791.39	207.79	798.22	0.98	540688.90	596546.05	
7360.00	90.63	178.09	6670.53	-885.34	210.81	892.22	0.21	540594.95	596549.07	
7454.00	90.63	178.03	6669.49	-979.28	213.99	986.21	0.06	540501.01	596552.25	
7549.00	90.63	178.32	6668.45	-1074.22	217.02	1081.20	0.31	540406.07	596555.28	
7643.00	90.28	178.05	6667.70	-1168.17	220.00	1175.20	0.47	540312.12	596558.26	
7737.00	89.30	175.53	6668.05	-1262.02	225.26	1269.17	2.88	540218.27	596563.52	
7831.00	89.58	176.99	6668.97	-1355.81	231.39	1363.12	1.58	540124.48	596569.65	
7925.00	88.95	178.30	6670.17	-1449.72	235.25	1457.11	1.55	540030.57	596573.51	
8019.00	88.60	178.35	6672.18	-1543.66	238.00	1551.09	0.38	539936.63	596576.26	
8113.00	88.74	178.37	6674.36	-1637.59	240.69	1645.06	0.15	539842.70	596578.95	
8207.00	89.23	177.51	6676.03	-1731.52	244.07	1739.04	1.05	539748.77	596582.33	
8301.00	90.98	178.48	6675.86	-1825.45	247.35	1833.04	2.13	539654.84	596585.61	
8395.00	90.91	178.88	6674.31	-1919.42	249.52	1927.02	0.43	539560.87	596587.78	
8489.00	90.63	178.74	6673.04	-2013.39	251.47	2021.00	0.33	539466.90	596589.73	
8583.00	90.98	179.04	6671.72	-2107.36	253.29	2114.98	0.49	539372.93	596591.55	
8677.00	90.56	180.18	6670.46	-2201.35	253.93	2208.93	1.29	539278.94	596592.19	
8771.00	89.51	179.38	6670.40	-2295.34	254.29	2302.88	1.40	539184.95	596592.55	
8865.00	87.83	179.05	6672.58	-2389.31	255.58	2396.83	1.82	539090.98	596593.84	
8959.00	87.41	179.26	6676.49	-2483.22	256.97	2490.73	0.50	538997.07	596595.23	
9054.00	86.92	179.70	6681.18	-2578.09	257.83	2585.58	0.69	538902.20	596596.09	
9148.00	88.32	179.97	6685.09	-2672.01	258.10	2679.45	1.52	538808.28	596596.36	
9242.00	89.16	179.46	6687.16	-2765.99	258.56	2773.38	1.05	538714.30	596596.82	
9336.00	89.16	179.23	6688.53	-2859.97	259.64	2867.34	0.24	538620.32	596597.90	
9430.00	88.04	178.99	6690.83	-2953.93	261.10	2961.30	1.22	538526.36	596599.36	
9524.00	88.67	178.63	6693.53	-3047.87	263.05	3055.25	0.77	538432.42	596601.31	
9618.00	89.58	178.22	6694.96	-3141.82	265.63	3149.23	1.06	538338.47	596603.89	
9712.00	90.84	178.64	6694.62	-3235.78	268.21	3243.23	1.41	538244.51	596606.47	
9806.00	90.07	178.34	6693.87	-3329.75	270.69	3337.22	0.88	538150.54	596608.95	
9900.00	89.09	178.30	6694.56	-3423.70	273.44	3431.21	1.04	538056.59	596611.70	

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
9994.00	90.35	179.13	6695.02	-3517.68	275.55	3525.20	1.61	537962.61	596613.81	
10088.00	90.35	179.07	6694.45	-3611.66	277.03	3619.18	0.06	537868.63	596615.29	
10182.00	90.42	179.67	6693.82	-3705.65	278.06	3713.15	0.64	537774.64	596616.32	
10276.00	89.44	179.99	6693.93	-3799.65	278.34	3807.10	1.10	537680.64	596616.60	
10370.00	89.93	180.32	6694.45	-3893.65	278.08	3901.03	0.63	537586.64	596616.34	
10465.00	90.63	179.72	6693.98	-3988.65	278.05	3995.97	0.97	537491.64	596616.31	
10559.00	90.70	179.68	6692.89	-4082.64	278.54	4089.92	0.09	537397.65	596616.80	
10653.00	90.49	179.12	6691.92	-4176.63	279.53	4183.89	0.64	537303.66	596617.79	
10747.00	90.91	178.37	6690.77	-4270.60	281.59	4277.87	0.91	537209.69	596619.85	
10841.00	90.98	178.33	6689.22	-4364.55	284.29	4371.86	0.09	537115.74	596622.55	
10935.00	90.00	177.73	6688.41	-4458.49	287.52	4465.85	1.22	537021.80	596625.78	
11029.00	88.67	177.65	6689.50	-4552.40	291.31	4559.84	1.42	536927.89	596629.57	
11124.00	88.11	177.64	6692.17	-4647.28	295.21	4654.80	0.59	536833.01	596633.47	
11217.00	89.51	177.79	6694.10	-4740.19	298.92	4747.78	1.51	536740.10	596637.18	
11311.00	90.07	178.15	6694.45	-4834.13	302.25	4841.78	0.71	536646.16	596640.51	
11405.00	89.51	178.99	6694.79	-4928.10	304.60	4935.77	1.07	536552.19	596642.86	
11499.00	89.16	179.14	6695.88	-5022.08	306.13	5029.75	0.41	536458.21	596644.39	
11594.00	88.39	179.03	6697.92	-5117.04	307.65	5124.71	0.82	536363.25	596645.91	
11688.00	88.60	179.42	6700.38	-5211.00	308.92	5218.65	0.47	536269.29	596647.18	
11786.00	88.04	179.52	6703.26	-5308.95	309.82	5316.58	0.58	536171.34	596648.08	Last Wft Svy
11787.50	88.04	179.52	6703.31	-5310.45	309.84	5318.07	0.00	536169.84	596648.10	Cross Prod. Box
11860.00	88.04	179.52	6705.79	-5382.91	310.44	5390.51	0.00	536097.38	596648.70	Proj. To Bit



```
Lone Tree Draw 14 State Com 3H
Lone Tree Draw 14 State Com 1H
Lone Tree 14 State Com 001
Lone Tree 14 St Com 1
Lone Tree Draw 14 State Com 1H
Lone Tree Draw 14 State Com 3H
```

Plan Data for Long Tree Draw 14 State Com 3H

Well: Long Tree Draw 14 State Com 3H
Type: Main-Well

File Number:

Plan. P27:VS

Plan folder: P6 Plan: P27/V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 177.98°

4

*E / -W: 0.0005

100-1000

Magnetic Parameters:

Model:	Field Strength:	Declination:	Dip:	Date:
BGGM	48293(nT)	7.59°	68.23°	2015-04-15

Magnetic Parameters:

ip: Date:
8.23" 2015-04-15

Plan Data for Lone Tree Draw 14 State Com 3H

Plan Point Information:

Dogleg Severity Unit: °/100.00ft Position offsets from Slot centre

MO	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS
(Usft)	(")	(°)	(Usft)	(Usft)	(Usft)	(Usft)	(Usft)	(Usft)	(DLSU)
0559.00	98.70	179.68	6692.89	-4082.64	278.54	537397.65	596616.80	4089.92	0.09
0653.69	91.00	177.81	6891.49	-4177.29	284.62	537303.00	596618.08	4184.58	2.00
1344.91	91.00	177.81	6679.44	-4887.18	387.00	536813.11	596645.26	4874.97	2.00
1394.19	90.00	177.81	6679.00	-4917.14	388.91	536563.15	596647.17	4924.97	2.00
1367.88	90.00	177.81	6679.00	-5310.55	302.92	536169.74	596662.18	5187.88	2.00

Plan Data for Long Tree Draw 14 State Com 3H

Slot: Lone Tree Draw 14 State Com 3H

Position:

Position:
Offset is from Site centre
+N/-S: 0.31USft Northing: 541400.29USft Latitude: 32°29'18.5"
+E/-W: 50.02USft Easting: 596338.26USft Longitude: -104°9'17.8"
Elevation Above VRD: 3219.00USft

Plan Data for Long Tree Draw 14 State Com 3H

Target Set Information:

Name: Long Tree Draw 14 State Com 3H

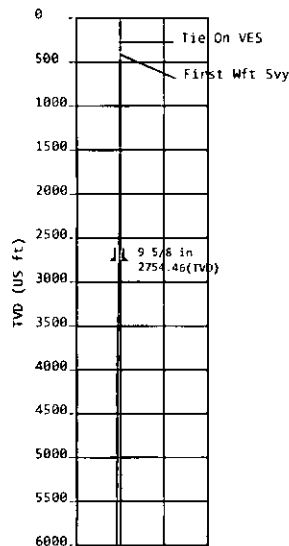
Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	Comment
------	-----	-------	-------	----------	---------	-------	---------

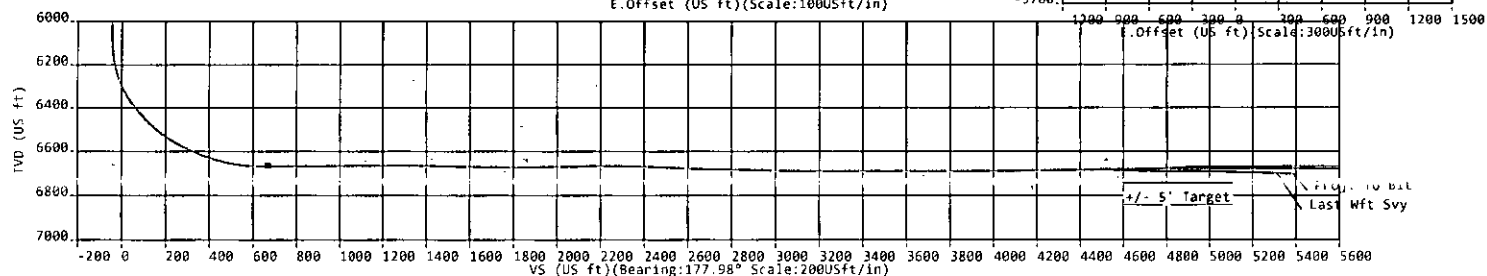
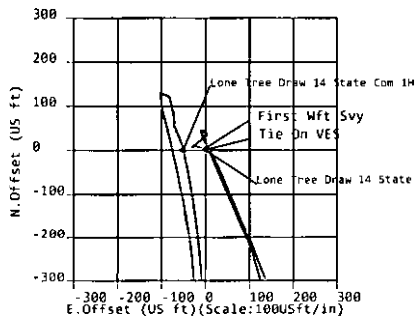
(USft)	(USft)	(USft)	(USft)	(USft)
--------	--------	--------	--------	--------

Lp Tgt 6669.00 -663.74 159.74 540816.55 596498.00 Cuboid

PBHL 3H 6679.00 -5310.55 323.92 536169.74 596662.18 Cuboid



VS (US ft)(Bearing:177.98° Scale:500USft/in)



Sign Off: Russell Joyner



April 9, 2015

Devon Energy Production Co., L. P.
333 West Sheridan Ave
Oklahoma City, Oklahoma 73102-5010

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 31 2015

RECEIVED

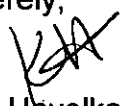
Attn: Megan Moravec

Re: Lone Tree Draw 14 State Com 3H

Please find enclosed a copy of the survey from 0' to 278' ran on the above referenced well.

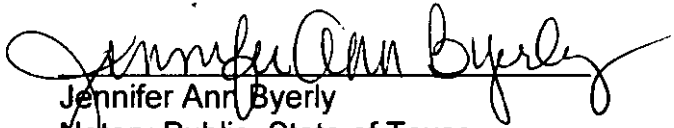
If I can be of any further service please do not hesitate to call me at 800-606-4976.

Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

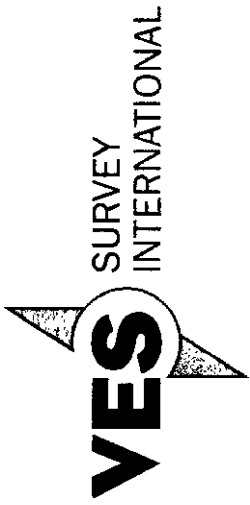
This instrument was acknowledged before me on the 9 day of April,
A.D., 2015, by Keith Havelka.


Jennifer Ann Byerly
Notary Public, State of Texas



Company: Devon Energy

Lease/Well: Lone Tree Draw 14 State Com/3H



Rig Name: H&P 251

State/County: New Mexico/Eddy

Latitude: 32.49, Longitude: -104.16

GRID North is 0.10 Degrees East of True North

VS-Azi: 0.00 Degrees

Depth Reference : RKB 25 Feet

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: ... tree draw 14 state com 3h.ut

Minimum Curvature Method

Report Date/Time: 4/9/2015 / 15:25

VES Survey International
Fort Worth, Texas
817-741-3610

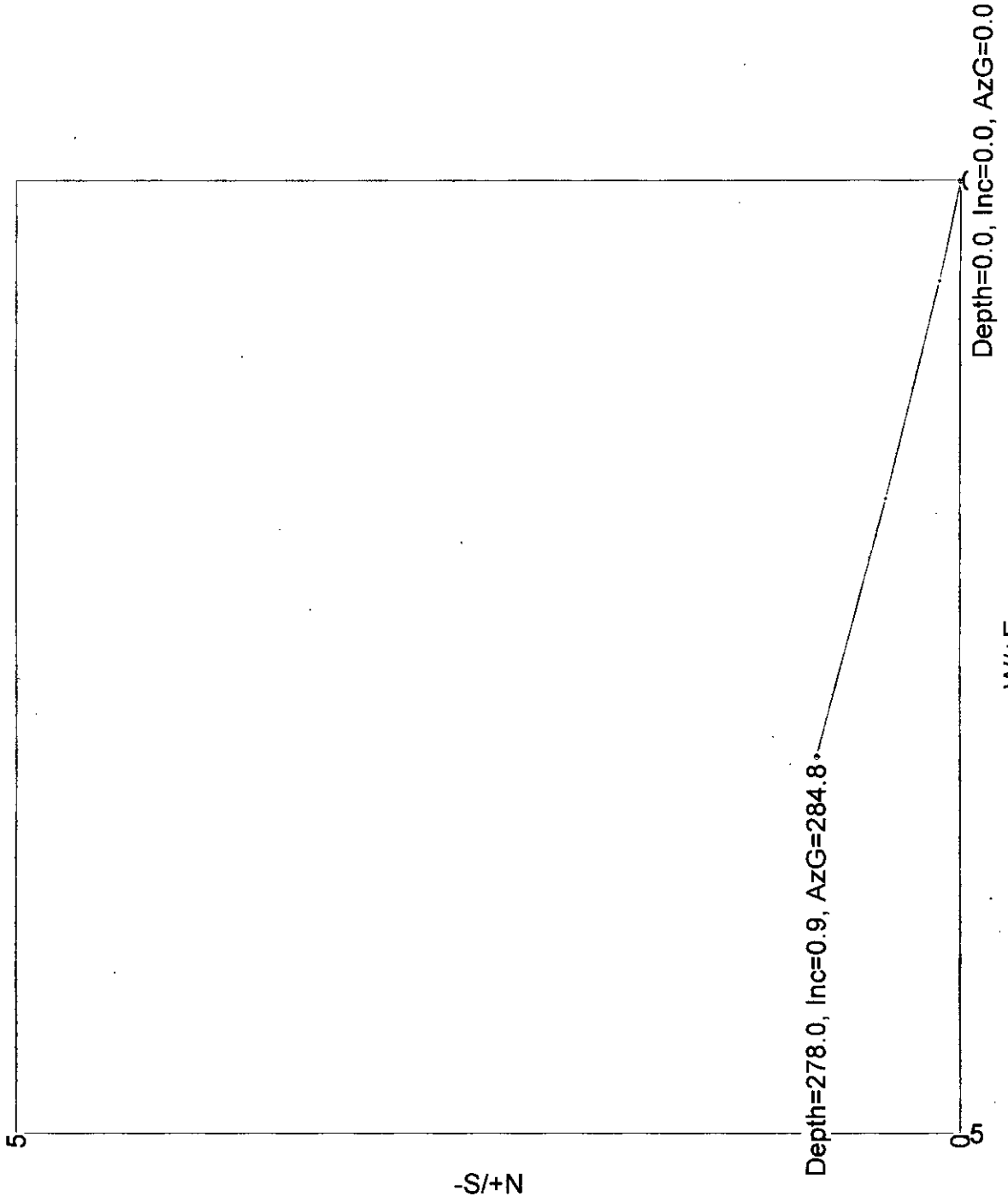
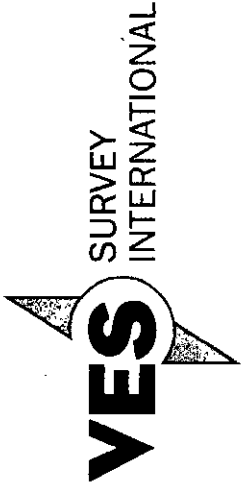
Surveyor: Eric Warner

Lone Tree Draw 14 State Com 3H / API 30-015-42083

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
96.86	0.64	281.67	96.86	0.11	-0.53	0.11	0.54	281.67	0.66
187.43	0.84	285.84	187.42	0.39	-1.66	0.39	1.71	283.29	0.23
278.00	0.93	284.79	277.98	0.76	-3.01	0.76	3.11	284.19	0.10



VES Survey International
Fort Worth, Texas
817-741-3610
Surveyor: Eric Warner
Lone Tree Draw 14 State Com 3H / API 30-015-42083





DEC 31 2015

Well Name: LONE TREE DRAW 14 STATE COM 3H

Sub-Division DELAWARE BASIN WEST		Region SLOPE WEST		Field Name BURTON FLAT		County BREWSTER		State/Province NM					
Surface Legal Location SECTION 11 T21S R27E		API/UWI 3001542083		Latitude (") 32° 29' 18.047" N		Longitude (") 104° 9' 16.015" W		Ong KB Elevation (ft) 3,244.30		Ground Elev MSL (ft) 3,219.30		KB - GL (ft) 25.00	
Wellbores													
Wellbore Name OH		Parent Wellbore OH				SAP Well ID 38214				Vertical Section Direction (") 177.98			
Kick Offs & Key Depths													
Date 4/10/2015				Type Kick Off				Top Depth (ftKB) 6,100.0					
Actual Deviation Survey VES GYRO SURVEYS, Proposed? No				Definitive? Yes		Proposed? No		Proposed Deviation Survey					
Deviation Survey													
Date 4/2/2015		Description VES GYRO SURVEYS											
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			
4/2/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO	VAUHG N ENERGY SERVICES			
4/2/2015	96.86	0.64	281.67	96.86	-0.13	0.11	-0.53	0.66	GYRO	VAUHG N ENERGY SERVICES			
4/2/2015	187.43	0.84	285.84	187.42	-0.45	0.39	-1.66	0.23	GYRO	VAUHG N ENERGY SERVICES			
4/2/2015	278.00	0.93	284.79	277.98	-0.87	0.76	-3.01	0.10	GYRO	VAUHG N ENERGY SERVICES			
4/4/2015	414.00	0.85	301.89	413.96	-1.75	1.58	-4.94	0.20	MWD	WEATHERFORD			
4/4/2015	506.00	0.69	306.13	505.96	-2.47	2.26	-5.96	0.18	MWD	WEATHERFORD			
4/4/2015	597.00	0.89	306.86	596.95	-3.25	3.01	-6.97	0.22	MWD	WEATHERFORD			
4/4/2015	689.00	0.97	298.52	688.93	-4.10	3.81	-8.23	0.17	MWD	WEATHERFORD			
4/4/2015	781.00	1.09	297.06	780.92	-4.92	4.58	-9.69	0.13	MWD	WEATHERFORD			
4/4/2015	871.00	1.16	294.59	870.90	-5.74	5.35	-11.28	0.09	MWD	WEATHERFORD			
4/4/2015	963.00	1.20	291.77	962.88	-6.55	6.09	-13.02	0.08	MWD	WEATHERFORD			
4/4/2015	1,053.00	1.09	289.23	1,052.86	-7.24	6.73	-14.71	0.13	MWD	WEATHERFORD			
4/5/2015	1,147.00	1.01	265.12	1,146.85	-7.52	6.95	-16.38	0.47	MWD	WEATHERFORD			
4/5/2015	1,242.00	0.90	275.63	1,241.84	-7.58	6.95	-17.95	0.22	MWD	WEATHERFORD			
4/5/2015	1,336.00	0.85	274.36	1,335.83	-7.76	7.08	-19.38	0.06	MWD	WEATHERFORD			
4/5/2015	1,430.00	0.92	278.77	1,429.81	-7.97	7.25	-20.82	0.10	MWD	WEATHERFORD			
4/5/2015	1,524.00	0.94	274.06	1,523.80	-8.20	7.41	-22.34	0.08	MWD	WEATHERFORD			
4/5/2015	1,618.00	1.04	259.53	1,617.79	-8.15	7.31	-23.95	0.29	MWD	WEATHERFORD			
4/5/2015	1,712.00	1.00	251.22	1,711.77	-7.79	6.90	-25.56	0.16	MWD	WEATHERFORD			
4/5/2015	1,806.00	1.35	254.82	1,805.75	-7.30	6.34	-27.41	0.38	MWD	WEATHERFORD			
4/5/2015	1,901.00	1.42	252.92	1,900.73	-6.74	5.70	-29.61	0.09	MWD	WEATHERFORD			
4/5/2015	1,995.00	0.42	286.42	1,994.71	-6.55	5.46	-31.06	1.16	MWD	WEATHERFORD			
4/5/2015	2,089.00	1.16	53.80	2,088.71	-7.19	6.12	-30.62	1.55	MWD	WEATHERFORD			
4/6/2015	2,184.00	1.69	51.12	2,183.68	-8.57	7.56	-28.75	0.56	MWD	WEATHERFORD			
4/6/2015	2,278.00	1.71	50.92	2,277.64	-10.25	9.32	-26.59	0.02	MWD	WEATHERFORD			
4/6/2015	2,372.00	1.57	54.97	2,371.60	-11.80	10.94	-24.44	0.19	MWD	WEATHERFORD			
4/6/2015	2,466.00	1.58	50.75	2,465.56	-13.28	12.50	-22.38	0.12	MWD	WEATHERFORD			
4/6/2015	2,560.00	1.50	53.81	2,559.53	-14.76	14.05	-20.39	0.12	MWD	WEATHERFORD			
4/6/2015	2,655.00	1.46	56.71	2,654.50	-16.08	15.45	-18.37	0.09	MWD	WEATHERFORD			
4/6/2015	2,685.00	1.50	55.18	2,684.49	-16.49	15.88	-17.73	0.19	MWD	WEATHERFORD			
4/8/2015	2,844.00	1.55	46.95	2,843.43	-19.03	18.54	-14.45	0.14	MWD	WEATHERFORD			
4/8/2015	2,938.00	1.43	52.73	2,937.40	-20.55	20.11	-12.59	0.20	MWD	WEATHERFORD			
4/8/2015	3,032.00	1.41	51.92	3,031.37	-21.90	21.54	-10.74	0.03	MWD	WEATHERFORD			
4/8/2015	3,127.00	1.38	44.79	3,126.34	-23.37	23.07	-9.02	0.19	MWD	WEATHERFORD			
4/8/2015	3,221.00	1.40	50.70	3,220.31	-24.84	24.60	-7.33	0.15	MWD	WEATHERFORD			
4/8/2015	3,315.00	1.49	52.90	3,314.28	-26.24	26.07	-5.47	0.11	MWD	WEATHERFORD			
4/8/2015	3,409.00	1.69	48.61	3,408.25	-27.82	27.72	-3.45	0.25	MWD	WEATHERFORD			
4/8/2015	3,503.00	1.69	48.13	3,502.21	-29.59	29.56	-1.38	0.02	MWD	WEATHERFORD			
4/8/2015	3,597.00	0.97	45.61	3,596.18	-31.02	31.04	0.22	0.77	MWD	WEATHERFORD			
4/8/2015	3,691.00	1.15	42.26	3,690.16	-32.23	32.30	1.42	0.20	MWD	WEATHERFORD			
4/9/2015	3,786.00	0.41	36.84	3,785.15	-33.17	33.28	2.27	0.78	MWD	WEATHERFORD			
4/9/2015	3,879.00	0.47	26.72	3,878.15	-33.77	33.88	2.64	0.11	MWD	WEATHERFORD			
4/9/2015	3,973.00	0.53	12.10	3,972.15	-34.53	34.65	2.90	0.15	MWD	WEATHERFORD			
4/9/2015	4,068.00	0.50	27.93	4,067.14	-35.31	35.45	3.19	0.15	MWD	WEATHERFORD			
4/9/2015	4,161.00	0.20	251.65	4,160.14	-35.62	35.75	3.22	0.71	MWD	WEATHERFORD			
4/9/2015	4,255.00	0.16	220.95	4,254.14	-35.48	35.60	2.98	0.11	MWD	WEATHERFORD			
4/9/2015	4,350.00	0.16	210.39	4,349.14	-35.27	35.39	2.83	0.03	MWD	WEATHERFORD			
4/9/2015	4,444.00	0.14	291.09	4,443.14	-35.20	35.32	2.65	0.21	MWD	WEATHERFORD			
4/9/2015	4,538.00	0.14	276.65	4,537.14	-35.26	35.37	2.43	0.04	MWD	WEATHERFORD			
4/9/2015	4,632.00	0.29	298.14	4,631.14	-35.40	35.50	2.11	0.18	MWD	WEATHERFORD			
4/9/2015	4,726.00	0.38	296.47	4,725.14	-35.67	35.75	1.62	0.10	MWD	WEATHERFORD			
4/9/2015	4,820.00	0.45	299.88	4,819.14	-36.01	36.07	1.02	0.08	MWD	WEATHERFORD			
4/9/2015	4,914.00	0.49	300.54	4,913.13	-36.42	36.46	0.36	0.04	MWD	WEATHERFORD			
4/9/2015	5,008.00	0.66	313.02	5,007.13	-37.02	37.03	-0.39	0.22	MWD	WEATHERFORD			
4/9/2015	5,102.00	0.91	315.30	5,101.12	-37.96	37.93	-1.31	0.27	MWD	WEATHERFORD			
4/9/2015	5,196.00	0.85	321.66	5,195.11	-39.07	39.01	-2.26	0.12	MWD	WEATHERFORD			
4/9/2015	5,290.00	1.00	327.39	5,289.10	-40.33	40.25	-3.14	0.19	MWD	WEATHERFORD			
4/9/2015	5,385.00	0.76	317.20	5,384.09	-41.52	41.41	-4.01	0.30	MWD	WEATHERFORD			
4/9/2015	5,479.00	0.64	299.40	5,478.08	-42.27	42.12	-4.90	0.26	MWD	WEATHERFORD			
4/9/2015	5,573.00	0.55	301.55	5,572.07	-42.79	42.62	-5.74	0.10	MWD	WEATHERFORD			
4/9/2015	5,667.00	0.59	281.47	5,666.07	-43.16	42.95	-6.60	0.22	MWD	WEATHERFORD			
4/9/2015	5,761.00	0.36	265.71	5,760.07	-43.26	43.02	-7.36	0.28	MWD	WEATHERFORD			
4/9/2015	5,855.00	0.51	267.78	5,854.06	-43.24	42.99	-8.08	0.16	MWD	WEATHERFORD			
4/9/2015	5,949.00	0.44	264.72	5,948.06	-43.22	42.94	-8.85	0.08	MWD	WEATHERFORD			
4/9/2015	6,035.00	0.63	259.61	6,034.06	-43.13	42.82	-9.65	0.23	MWD	WEATHERFORD			
4/10/2015	6,076.00	0.66	236.12	6,075.05	-42.98	42.65	-10.07	0.64	MWD	WEATHERFORD			



Sub-Division DELAWARE BASIN WEST		Region SLOPE WEST		Field Name BURTON FLAT			County EDDY		State/Province NM		
Surface Legal Location SECTION 11 T21S R27E		API/UWI 3001542083		Latitude (") 32° 29' 18.047" N		Longitude (") 104° 9' 16.015" W		Orig KB Elevation (ft) 3,244.30		Ground Elev MSL (ft) 3,219.30	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	
4/10/2015	6,108.00	1.72	176.37	6,107.05	-42.40	42.07	-10.19	4.69	MWD	WEATHERFORD	
4/10/2015	6,139.00	4.74	159.67	6,138.00	-40.72	40.40	-9.71	10.10	MWD	WEATHERFORD	
4/10/2015	6,170.00	8.75	155.93	6,168.77	-37.32	37.05	-8.31	13.01	MWD	WEATHERFORD	
4/11/2015	6,202.00	12.46	153.92	6,200.22	-31.91	31.72	-5.80	11.65	MWD	WEATHERFORD	
4/11/2015	6,233.00	16.31	154.02	6,230.25	-24.87	24.80	-2.42	12.42	MWD	WEATHERFORD	
4/11/2015	6,265.00	20.67	153.29	6,260.59	-15.63	15.71	2.09	13.64	MWD	WEATHERFORD	
4/11/2015	6,296.00	24.92	153.34	6,289.16	-4.72	4.98	7.48	13.71	MWD	WEATHERFORD	
4/11/2015	6,327.00	28.98	154.02	6,316.79	8.09	-7.61	13.71	13.13	MWD	WEATHERFORD	
4/11/2015	6,359.00	33.06	154.34	6,344.20	23.17	-22.45	20.88	12.76	MWD	WEATHERFORD	
4/11/2015	6,390.00	36.74	155.21	6,369.62	39.47	-38.50	28.44	11.98	MWD	WEATHERFORD	
4/11/2015	6,421.00	40.13	155.62	6,393.90	57.27	-56.02	36.45	10.97	MWD	WEATHERFORD	
4/11/2015	6,453.00	42.19	156.34	6,417.99	76.80	-75.26	45.02	6.61	MWD	WEATHERFORD	
4/11/2015	6,484.00	44.27	156.64	6,440.58	96.55	-94.72	53.49	6.74	MWD	WEATHERFORD	
4/11/2015	6,516.00	46.42	156.75	6,463.07	117.76	-115.63	62.49	6.72	MWD	WEATHERFORD	
4/11/2015	6,547.00	49.28	156.72	6,483.87	139.18	-136.74	71.57	9.23	MWD	WEATHERFORD	
4/11/2015	6,578.00	52.22	156.99	6,503.48	161.57	-158.81	81.00	9.51	MWD	WEATHERFORD	
4/11/2015	6,610.00	54.74	157.23	6,522.52	185.60	-182.50	91.01	7.90	MWD	WEATHERFORD	
4/11/2015	6,641.00	57.25	157.49	6,539.86	209.65	-206.22	100.90	8.13	MWD	WEATHERFORD	
4/11/2015	6,672.00	59.80	158.18	6,556.04	234.47	-230.70	110.87	8.44	MWD	WEATHERFORD	
4/11/2015	6,704.00	61.97	158.80	6,571.61	260.82	-256.71	121.12	6.99	MWD	WEATHERFORD	
4/11/2015	6,735.00	64.41	159.76	6,585.60	287.03	-282.59	130.90	8.34	MWD	WEATHERFORD	
4/12/2015	6,766.00	66.91	160.48	6,598.37	313.91	-309.15	140.50	8.34	MWD	WEATHERFORD	
4/12/2015	6,798.00	69.12	161.95	6,610.35	342.32	-337.24	150.06	8.11	MWD	WEATHERFORD	
4/12/2015	6,829.00	70.62	162.79	6,621.02	370.35	-364.98	158.87	5.47	MWD	WEATHERFORD	
4/12/2015	6,860.00	71.93	163.92	6,630.97	398.76	-393.11	167.28	5.46	MWD	WEATHERFORD	
4/12/2015	6,892.00	74.21	165.71	6,640.29	428.56	-422.65	175.29	8.91	MWD	WEATHERFORD	
4/12/2015	6,923.00	76.44	167.96	6,648.14	457.98	-451.85	182.12	10.05	MWD	WEATHERFORD	
4/12/2015	6,955.00	78.16	169.70	6,655.18	488.80	-482.47	188.17	7.55	MWD	WEATHERFORD	
4/12/2015	6,986.00	80.31	171.80	6,660.97	519.01	-512.52	193.06	9.61	MWD	WEATHERFORD	
4/12/2015	7,017.00	82.56	173.82	6,665.59	549.54	-542.93	196.89	9.71	MWD	WEATHERFORD	
4/12/2015	7,049.00	85.52									



Sub-Division DELAWARE BASIN WEST		Region SLOPE WEST		Field Name BURTON FLAT				County EDDY		State/Province NM	
Surface Legal Location SECTION 11 T21S R27E		API/Well 3001542083		Latitude ("") 32° 29' 18.047" N		Longitude ("") 104° 9' 16.015" W		Ong KB Elevation (ft) 3,244.30		Ground Elev MSL (ft) 3,219.30	
								KB - GL (ft) 25.00			
Survey Data											
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	EW (ft)	DLS (*100ft)	Survey Tool	Survey Company	
4/16/2015	11,217.00	89.15	177.79	6,694.40	4,747.78	-4,740.19	298.92	1.13	MWD	WEATHERFORD	
4/16/2015	11,311.00	90.07	178.15	6,695.04	4,841.77	-4,834.13	302.25	1.05	MWD	WEATHERFORD	
4/16/2015	11,405.00	89.51	178.99	6,695.38	4,935.77	-4,928.09	304.59	1.07	MWD	WEATHERFORD	
4/16/2015	11,499.00	89.16	179.14	6,696.47	5,029.74	-5,022.07	306.13	0.41	MWD	WEATHERFORD	
4/16/2015	11,594.00	88.39	179.03	6,698.50	5,124.70	-5,117.04	307.64	0.82	MWD	WEATHERFORD	
4/16/2015	11,688.00	88.60	179.42	6,700.97	5,218.65	-5,211.00	308.91	0.47	MWD	WEATHERFORD	
4/16/2015	11,786.00	88.04	179.52	6,703.84	5,316.57	-5,308.95	309.82	0.58	MWD	WEATHERFORD	
4/16/2015	11,860.00	88.04	179.52	6,706.38	5,390.50	-5,382.91	310.44	0.00	BIT	WEATHERFORD	