



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

15-41311

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

Date: January 20, 2014

Attention: Art Alarcon

Re: Devon Energy
Well: Odie 4 State 1H
Eddy County, New Mexico

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 31 2014

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
Jeremy Orona	1H	7396 MD	1/8/2014	Measurement
MWD Supervisor		12548 MD	1/20/2014	While Drilling

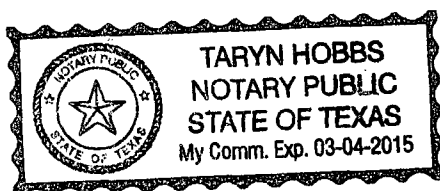
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
MWD Coordinator

On this, the 5th day of February 20 14, 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:** *Odie 4 State 1H***Well Name:** *Odie 4 State #1H***Survey:** *Wft Svy*

20 January 2014





Weatherford

Odie 4 State #1H

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 Odie 4 State 1H	Units : US ft	North Reference : Grid	Convergence Angle : 0.12	
	Position	Northing : 419277.97 US ft	Latitude : 32° 9' 8.84"	
		Easting : 613867.31 US ft	Longitude : -104° 5' 56.29"	
Elevation above Mean Sea Level: 2964.00 US ft				
Comment :				
Slot Name Odie 4 State 1H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 419277.97 US ft	Latitude : 32° 9' 8.84"	
	+E / -W : 0.00 US ft	Easting : 613867.31 US ft	Longitude : -104° 5' 56.29"	
Elevation above Mean Sea Level : 2964.00 US ft				
Comment :				
Well Name Odie 4 State #1H	Type : Main well		UWI :	
	Rig Height Well TVD Reference : 25.00 US ft		Comment :	
	Relative to Mean Sea Level: 2989.00 US ft			
	Closure Distance : 4781.48 US ft		Closure Azimuth : 0.16741°	
	Vertical Section (Position of Origin Relative to Slot)			
+N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 0.16°				

Target Set

Name : Odie 4 State #1H **Number of Targets :** 1

Comment :

Target Name: PBHL Shape: Cuboid	Position (Relative to Slot centre)		
	+N / -S : 4782.10 US ft	Northing : 424060.07 US ft	Latitude : 32° 9' 56.17"
	+E / -W : 13.67 US ft	Easting : 613880.98 US ft	Longitude : -104° 5' 56.01"
	TVD (Well TVD Reference) : 8025.00 US ft		
	Orientation Azimuth : 0.33°	Inclination : 0.34°	
Dimensions Length : 8410.00 US ft		Breadth : 50.00 US ft	Height : 20.00 US ft

Survey Name : Wft Svy

Date : 13/Jan/2014 **Survey Tool :** MWD **Comment :** **Company :** Wft

Magnetic Model

Model Name: BGGM **Date:** 05/Jan/2014 **Field Strength:** 48260.8 nT **Declination:** 7.63° **Dip:** 59.95°

Tie Point

MD: 7350 **Inclination:** 3.95 **Azimuth:** 264.92 **TVD:** 7343.87 **North Offset:** -2.21 **East Offset:** 34.98

5D Survey Report

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
7350.00	3.95	264.92	7343.87	-2.21	34.98	-2.11	0.00	419275.76	613902.29	Tie On VES
7396.00	4.13	266.51	7389.76	-2.45	31.75	-2.36	0.46	419275.52	613899.06	First Wft Svy
7428.00	4.14	270.30	7421.67	-2.52	29.44	-2.43	0.85	419275.45	613896.75	
7459.00	4.33	292.31	7452.59	-2.07	27.24	-1.99	5.25	419275.90	613894.55	
7491.00	5.63	312.82	7484.47	-0.54	24.97	-0.47	6.83	419277.43	613892.28	
7522.00	7.82	330.55	7515.26	2.33	22.82	2.39	9.66	419280.30	613890.13	
7554.00	9.50	336.21	7546.89	6.64	20.68	6.70	5.88	419284.61	613887.99	
7585.00	11.47	337.16	7577.38	11.83	18.46	11.88	6.38	419289.80	613885.77	
7617.00	13.53	338.07	7608.61	18.23	15.82	18.28	6.47	419296.20	613883.13	
7648.00	15.73	338.65	7638.61	25.51	12.94	25.55	7.11	419303.48	613880.25	
7680.00	17.81	338.97	7669.25	34.12	9.60	34.14	6.51	419312.09	613876.91	
7711.00	19.84	340.33	7698.59	43.50	6.13	43.51	6.70	419321.47	613873.44	
7743.00	22.10	341.91	7728.46	54.33	2.43	54.34	7.28	419332.30	613869.74	
7775.00	24.28	342.87	7757.88	66.35	-1.38	66.34	6.91	419344.32	613865.93	
7806.00	27.84	346.67	7785.72	79.49	-4.92	79.47	12.68	419357.46	613862.39	
7838.00	31.62	349.66	7813.51	95.01	-8.15	94.99	12.69	419372.98	613859.16	
7869.00	35.16	351.88	7839.39	111.85	-10.87	111.82	12.08	419389.82	613856.44	
7901.00	38.07	356.59	7865.08	130.83	-12.76	130.79	12.63	419408.80	613854.55	
7932.00	40.30	0.81	7889.11	150.40	-13.19	150.36	11.21	419428.37	613854.12	
7963.00	43.22	2.69	7912.23	171.03	-12.55	171.00	10.25	419449.00	613854.76	
7995.00	46.59	2.72	7934.89	193.59	-11.48	193.56	10.53	419471.56	613855.83	
8027.00	50.22	1.54	7956.13	217.50	-10.60	217.47	11.67	419495.47	613856.71	
8058.00	53.61	1.33	7975.25	241.89	-9.99	241.86	10.95	419519.86	613857.32	
8090.00	57.69	1.35	7993.30	268.30	-9.37	268.27	12.75	419546.27	613857.94	
8121.00	62.04	1.08	8008.86	295.10	-8.81	295.07	14.05	419573.07	613858.50	
8153.00	66.63	1.03	8022.72	323.93	-8.28	323.90	14.34	419601.90	613859.03	
8184.00	72.08	0.93	8033.64	352.92	-7.78	352.90	17.58	419630.89	613859.53	
8216.00	77.73	359.89	8041.97	383.80	-7.56	383.78	17.93	419661.77	613859.75	
8246.00	83.13	359.52	8046.96	413.38	-7.72	413.35	18.04	419691.35	613859.59	
8268.00	86.43	0.13	8048.96	435.28	-7.78	435.26	15.25	419713.25	613859.53	
8299.00	88.67	1.06	8050.29	466.25	-7.46	466.23	7.82	419744.22	613859.85	
8331.00	88.95	1.20	8050.95	498.24	-6.83	498.21	0.98	419776.21	613860.48	
8425.00	88.39	1.63	8053.13	592.18	-4.51	592.17	0.75	419870.15	613862.80	
8520.00	89.65	0.98	8054.76	687.14	-2.35	687.13	1.49	419965.11	613864.96	
8614.00	90.84	0.88	8054.36	781.12	-0.82	781.12	1.27	420059.09	613866.49	
8709.00	90.42	1.39	8053.31	876.10	1.06	876.10	0.70	420154.07	613868.37	
8803.00	90.14	2.01	8052.85	970.06	3.85	970.06	0.72	420248.03	613871.16	
8898.00	90.21	0.92	8052.56	1065.02	6.28	1065.04	1.15	420342.99	613873.59	
8992.00	90.56	358.36	8051.93	1159.01	5.69	1159.02	2.75	420436.98	613873.00	
9086.00	90.00	358.43	8051.47	1252.97	3.06	1252.98	0.60	420530.94	613870.37	
9181.00	90.91	358.84	8050.72	1347.94	0.79	1347.94	1.05	420625.91	613868.10	
9275.00	90.56	358.91	8049.51	1441.92	-1.05	1441.91	0.38	420719.89	613866.26	
9370.00	91.40	359.65	8047.88	1536.89	-2.25	1536.88	1.18	420814.86	613865.06	
9464.00	90.91	359.64	8045.99	1630.87	-2.83	1630.86	0.52	420908.84	613864.48	
9559.00	90.21	0.14	8045.06	1725.87	-3.01	1725.85	0.91	421003.84	613864.30	
9653.00	91.40	359.53	8043.74	1819.85	-3.28	1819.84	1.42	421097.82	613864.03	
9748.00	91.19	0.21	8041.59	1914.83	-3.50	1914.81	0.75	421192.80	613863.81	
9842.00	90.70	0.35	8040.04	2008.82	-3.04	2008.80	0.54	421286.79	613864.27	
9937.00	90.14	0.88	8039.35	2103.81	-2.02	2103.79	0.81	421381.78	613865.29	
10031.00	90.77	0.24	8038.60	2197.80	-1.10	2197.79	0.96	421475.77	613866.21	
10125.00	90.63	0.80	8037.45	2291.79	-0.25	2291.78	0.61	421569.76	613867.06	
10220.00	90.35	1.42	8036.64	2386.77	1.59	2386.76	0.72	421664.74	613868.90	
10315.00	90.77	0.28	8035.71	2481.75	3.00	2481.75	1.28	421759.72	613870.31	
10409.00	90.56	0.87	8034.62	2575.74	3.95	2575.74	0.67	421853.71	613871.26	
10503.00	90.00	0.80	8034.16	2669.73	5.32	2669.73	0.60	421947.70	613872.63	
10598.00	89.23	1.14	8034.80	2764.71	6.92	2764.72	0.89	422042.68	613874.23	

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
10692.00	89.65	0.57	8035.72	2858.69	8.33	2858.71	0.75	422136.66	613875.64	
10786.00	90.63	359.32	8035.49	2952.69	8.24	2952.70	1.69	422230.66	613875.55	
10881.00	90.28	0.27	8034.73	3047.69	7.90	3047.70	1.07	422325.66	613875.21	
10975.00	89.65	0.28	8034.79	3141.68	8.35	3141.69	0.67	422419.65	613875.66	
11069.00	89.02	0.76	8035.88	3235.67	9.20	3235.69	0.84	422513.64	613876.51	
11164.00	90.21	0.20	8036.52	3330.66	10.00	3330.68	1.38	422608.63	613877.31	
11258.00	91.54	359.00	8035.09	3424.65	9.34	3424.66	1.91	422702.62	613876.65	
11353.00	91.19	359.55	8032.82	3519.61	8.14	3519.62	0.69	422797.58	613875.45	
11447.00	90.56	359.77	8031.39	3613.60	7.58	3613.61	0.71	422891.57	613874.89	
11541.00	90.14	359.96	8030.81	3707.60	7.36	3707.60	0.49	422985.57	613874.67	
11648.00	89.72	0.17	8030.94	3814.60	7.48	3814.60	0.44	423092.57	613874.79	
11742.00	90.56	359.80	8030.71	3908.60	7.46	3908.60	0.98	423186.57	613874.77	
11837.00	91.54	0.38	8028.97	4003.58	7.61	4003.58	1.20	423281.55	613874.92	
11931.00	91.12	0.67	8026.79	4097.55	8.47	4097.56	0.54	423375.52	613875.78	
12026.00	90.49	0.68	8025.46	4192.53	9.59	4192.54	0.66	423470.50	613876.90	
12121.00	89.86	0.60	8025.17	4287.53	10.65	4287.54	0.67	423565.50	613877.96	
12215.00	89.16	0.33	8025.97	4381.52	11.41	4381.53	0.80	423659.49	613878.72	
12310.00	88.46	0.98	8027.94	4476.49	12.50	4476.51	1.01	423754.46	613879.81	
12405.00	90.00	0.17	8029.22	4571.47	13.45	4571.49	1.83	423849.44	613880.76	
12500.00	90.84	0.14	8028.52	4666.47	13.71	4666.49	0.88	423944.44	613881.02	
12548.00	90.70	0.13	8027.88	4714.46	13.82	4714.49	0.29	423992.43	613881.13	Last Wft Svy
12615.00	90.70	0.13	8027.06	4781.46	13.97	4781.48	0.00	424059.43	613881.28	Proj. To Bit



Odie 4 State #1H
Eddy Co, NM



Weatherford

Plan Data for Odie 4 State #1H

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)
7901.00	38.07	356.59	7865.08	130.82	-12.81	419408.79	613854.50	130.79	12.63
7964.00	45.23	1.84	7912.13	172.63	-13.25	419450.60	613854.06	172.59	12.63
8338.18	90.34	0.29	8050.00	510.10	-7.76	419788.07	613859.55	510.07	12.06
12610.31	90.34	0.29	8025.00	4782.10	13.67	424060.07	613880.98	4782.12	0.00

Plan Data for Odie 4 State #1H

Target Set Information:

Name: Odie 4 State #1H

Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	Comment
	(USft)	(USft)	(USft)	(USft)	(USft)		
PBHL	8025.00	4782.10	13.67	424060.07	613880.98	Cuboid	

Plan Data for Odie 4 State #1H

Slot: Odie 4 State 1H

Position:

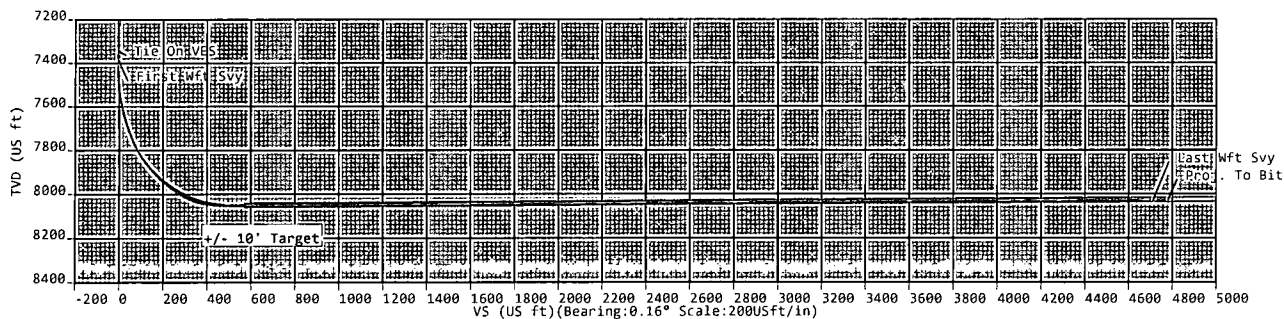
Offset is from Site centre

+N/-S: 0.00USft Northing: 419277.97USft Latitude: 32°9'8.8"
+E/-W: 0.00USft Easting: 613867.31USft Longitude: -104°5'56.3"
Elevation Above VRD: 2964.00USft

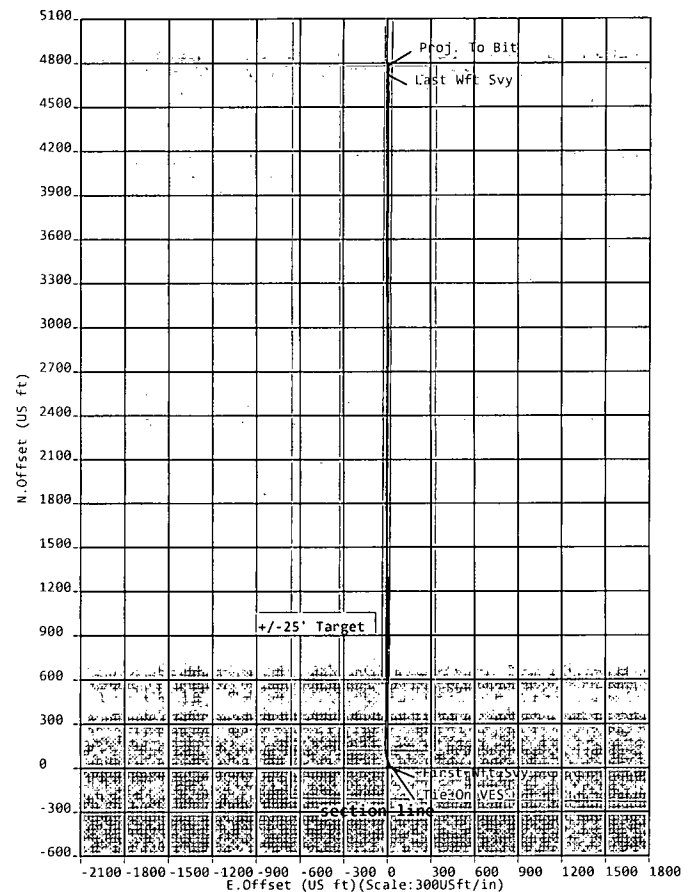
Odie 4 State #1H ———
Odie 4 State #1H ———

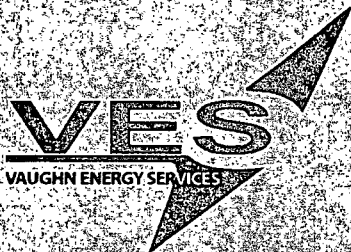


KB-2989
GL-2964



Sign Off: Russell Joyner





A GYRO TECHNOLOGIES INC. COMPANY

P.O. Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

January 30, 2014

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

Attn: David Cook

Re: **Odie 4 State No. 001H**

Please find enclosed a copy of the survey from 0.00' to 7350.00' 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

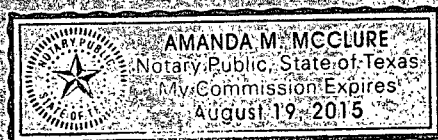
Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 30 day of January,
A.D. 2014, by Keith Havelka

Amanda McClure
Notary Public, State of Texas





Company: Devon Energy
 Lease/Well: Odie 4 State /No. 001H
 Location: Sec 4 T25S R28E
 Rig Name: H&P 214
 State/County: New Mexico/Eddy
 Latitude: 32.15, Longitude: -104.10
 GRID North is 0.12 Degrees East of True North
 VS-Azi: 0.16 Degrees



Depth Reference : RKB = 25 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...tate #1h gyro survey-de_01.ut

Minimum Curvature Method

Report Date/Time: 1/31/2014 / 09:29

Vaughn Energy Services

West, Texas

432-563-5444

Surveyor: Chris Bankson

Odie 4 State No. 001H / API 30-015-41311

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	****
100.00	0.06	279.12	100.00	0.01	-0.05	0.01	0.05	279.12	0.06
200.00	0.13	241.94	200.00	-0.04	-0.20	-0.04	0.20	259.17	0.09
300.00	0.14	174.97	300.00	-0.21	-0.29	-0.21	0.36	233.78	0.15
400.00	0.83	90.08	400.00	-0.34	0.44	-0.33	0.56	127.13	0.83
500.00	0.87	30.20	499.99	0.32	1.55	0.32	1.58	78.38	0.85
600.00	0.84	28.85	599.98	1.62	2.28	1.62	2.80	54.70	0.03
700.00	1.01	27.11	699.96	3.04	3.04	3.05	4.30	44.96	0.17
800.00	1.45	27.78	799.94	4.95	4.03	4.96	6.38	39.16	0.44
900.00	1.20	25.28	899.91	7.01	5.07	7.03	8.65	35.84	0.26
1000.00	1.02	14.90	999.89	8.82	5.74	8.84	10.53	33.06	0.27
1100.00	0.92	5.92	1099.88	10.48	6.06	10.50	12.11	30.01	0.19
1200.00	0.96	352.52	1199.87	12.11	6.03	12.13	13.53	26.47	0.22
1300.00	1.05	337.99	1299.85	13.79	5.58	13.80	14.87	22.03	0.27
1400.00	0.98	329.67	1399.84	15.37	4.81	15.38	16.10	17.36	0.16
1500.00	1.09	328.98	1499.82	16.92	3.88	16.93	17.36	12.93	0.12
1600.00	1.46	301.41	1599.80	18.40	2.30	18.41	18.55	7.14	0.71
1700.00	0.27	217.54	1699.78	18.88	1.08	18.89	18.91	3.26	1.46
1800.00	0.93	175.77	1799.78	17.89	0.99	17.90	17.92	3.18	0.75

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
1900.00	2.08	131.91	1899.74	15.87	2.40	15.88	16.05	8.62	1.55
2000.00	4.99	101.77	1999.55	13.77	8.02	13.79	15.93	30.20	3.36
2100.00	7.10	94.12	2098.99	12.44	18.44	12.49	22.24	55.99	2.25
2200.00	7.96	93.35	2198.13	11.59	31.51	11.68	33.58	69.81	0.87
2300.00	7.65	97.65	2297.20	10.30	45.03	10.43	46.19	77.12	0.66
2400.00	5.53	98.27	2396.53	8.72	56.40	8.88	57.07	81.21	2.12
2500.00	3.73	96.15	2496.20	7.68	64.40	7.86	64.86	83.20	1.81
2600.00	3.18	95.39	2596.02	7.07	70.39	7.27	70.74	84.26	0.55
2700.00	2.54	98.45	2695.90	6.48	75.34	6.69	75.62	85.08	0.65
2800.00	1.55	98.69	2795.83	5.95	78.88	6.17	79.10	85.68	0.99
2900.00	2.12	91.63	2895.78	5.70	82.06	5.92	82.26	86.03	0.60
3000.00	1.34	82.09	2995.73	5.80	85.07	6.04	85.27	86.10	0.82
3100.00	1.02	80.29	3095.71	6.12	87.11	6.36	87.32	85.98	0.33
3200.00	0.75	82.41	3195.70	6.35	88.63	6.60	88.86	85.90	0.27
3300.00	0.49	92.79	3295.70	6.42	89.71	6.67	89.94	85.91	0.29
3400.00	0.24	98.91	3395.69	6.37	90.34	6.62	90.56	85.97	0.25
3500.00	0.29	99.98	3495.69	6.29	90.80	6.54	91.02	86.04	0.05
3600.00	0.19	108.38	3595.69	6.19	91.20	6.45	91.41	86.12	0.11
3700.00	0.09	130.85	3695.69	6.09	91.42	6.34	91.62	86.19	0.11
3800.00	0.17	180.50	3795.69	5.89	91.48	6.14	91.67	86.32	0.13
3900.00	0.28	233.73	3895.69	5.59	91.29	5.85	91.46	86.49	0.22
4000.00	0.54	258.25	3995.69	5.36	90.63	5.61	90.79	86.62	0.31
4100.00	0.72	255.60	4095.68	5.10	89.56	5.35	89.71	86.74	0.18
4200.00	0.66	258.51	4195.67	4.84	88.39	5.08	88.53	86.87	0.07
4300.00	0.38	286.91	4295.67	4.82	87.52	5.06	87.65	86.85	0.37
4400.00	0.36	292.46	4395.67	5.03	86.91	5.28	87.05	86.68	0.04
4500.00	0.75	253.91	4495.66	4.97	85.99	5.21	86.13	86.69	0.52
4600.00	0.97	237.20	4595.65	4.33	84.65	4.57	84.76	87.07	0.33
4700.00	1.39	216.22	4695.63	2.90	83.23	3.13	83.28	88.01	0.60
4800.00	1.31	212.84	4795.60	0.96	81.89	1.19	81.90	89.33	0.11
4900.00	1.32	205.96	4895.58	-1.04	80.77	-0.81	80.77	90.73	0.16
5000.00	1.12	207.28	4995.55	-2.94	79.82	-2.71	79.87	92.11	0.20
5100.00	1.09	216.17	5095.54	-4.57	78.81	-4.35	78.94	93.32	0.17
5200.00	1.12	216.21	5195.52	-6.13	77.67	-5.91	77.91	94.51	0.03
5300.00	1.37	221.56	5295.49	-7.81	76.30	-7.60	76.70	95.84	0.27
5400.00	1.30	222.17	5395.47	-9.54	74.75	-9.33	75.35	97.27	0.07
5500.00	1.09	235.52	5495.45	-10.92	73.20	-10.71	74.01	98.48	0.35
5600.00	1.29	238.03	5595.42	-12.05	71.47	-11.85	72.48	99.57	0.20
5700.00	1.31	231.58	5695.40	-13.36	69.62	-13.16	70.89	100.86	0.15

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
5800.00	1.40	235.01	5795.37	-14.77	67.72	-14.58	69.31	102.31	0.12
5900.00	1.50	233.19	5895.34	-16.26	65.67	-16.07	67.65	103.90	0.11
6000.00	0.83	208.71	5995.32	-17.67	64.27	-17.50	66.66	105.38	0.82
6100.00	0.84	199.02	6095.31	-19.00	63.69	-18.83	66.46	106.62	0.14
6200.00	0.53	129.01	6195.30	-19.99	63.81	-19.81	66.86	107.40	0.83
6300.00	1.80	85.74	6295.28	-20.16	65.73	-19.98	68.75	107.06	1.46
6400.00	1.71	76.41	6395.23	-19.70	68.74	-19.51	71.51	105.99	0.30
6500.00	1.48	60.23	6495.19	-18.71	71.32	-18.51	73.73	104.70	0.50
6600.00	0.76	350.69	6595.18	-17.41	72.33	-17.21	74.40	103.54	1.41
6700.00	1.32	325.66	6695.16	-15.81	71.57	-15.61	73.30	102.46	0.71
6800.00	2.90	310.52	6795.09	-13.22	69.00	-13.02	70.25	100.84	1.66
6900.00	3.21	295.44	6894.95	-10.37	64.55	-10.19	65.38	99.13	0.86
7000.00	3.81	292.80	6994.76	-7.88	58.96	-7.71	59.48	97.61	0.62
7100.00	4.68	290.59	7094.49	-5.16	52.08	-5.01	52.33	95.65	0.88
7200.00	4.14	281.72	7194.19	-2.99	44.72	-2.86	44.82	93.82	0.87
7300.00	3.44	272.55	7293.97	-2.12	38.19	-2.01	38.25	93.18	0.92
7350.00	3.95	264.92	7343.87	-2.21	34.98	-2.11	35.05	93.61	1.41



Vaughn Energy Services
West, Texas
432-563-5444
Surveyor: Chris Bankson
Odle 4 State No. 001H / API 30-015-41311

