

Elevation Resources
Andrews County
University 1-30 Unit #1H
Surveys: 120`MD - 7054`MD
Survey Date: Sunday, February 28, 2016

National Oilwell Varco

Survey Report

Saturday, March 05, 2016

UWI No. 42-003-47340

Surface Coordinates: 219251.37 N, 462030.11 E (32° 10' 09.3596" N, 102° 28' 18.7800" W)
Grid Coordinate System: NAD27 Texas State Planes, North Central Zone, US Foot

Surface Coordinates relative to Map Coordinates: 219251.37 N, 462030.11 E (Grid)
Surface Coordinates relative to Map Coordinates: 219251.37 N, 462030.11 E (Grid)

Kelly Bushing Elevation: 3121.00ft above Mean Sea Level
Kelly Bushing Elevation: 3121.00ft above Mean Sea Level
Kelly Bushing Elevation: 26.00ft above Ground Level
Ground Level: 3095.00ft above Mean Sea Level

Survey Ref: svy1171

Survey Report for Andrews County, University 1-30 Unit #1H, Surveys: 120`MD - 7054`MD

Survey Depth (ft)	Incl. (°)	(Grid) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	
120.00	0.43	19.19	120.00	0.43 N	0.15 E	0.37	0.358
212.00	0.45	29.74	212.00	1.07 N	0.44 E	0.98	0.091
305.00	0.16	76.10	304.99	1.41 N	0.75 E	1.43	0.386
396.00	0.13	294.65	395.99	1.49 N	0.78 E	1.49	0.301
488.00	0.25	240.81	487.99	1.43 N	0.51 E	1.24	0.220
580.00	0.21	239.55	579.99	1.25 N	0.19 E	0.87	0.044
672.00	0.84	38.11	671.99	1.69 N	0.46 E	1.35	1.129
763.00	0.78	37.28	762.98	2.71 N	1.24 E	2.58	0.067
855.00	0.72	43.56	854.97	3.63 N	2.02 E	3.75	0.111
945.00	0.29	45.73	944.97	4.20 N	2.57 E	4.53	0.478
1039.00	0.40	33.29	1038.97	4.64 N	2.93 E	5.07	0.141
1133.00	0.30	54.01	1132.97	5.06 N	3.30 E	5.62	0.170
1227.00	0.31	70.65	1226.97	5.29 N	3.74 E	6.11	0.094
1321.00	0.30	113.44	1320.96	5.27 N	4.21 E	6.48	0.237
1415.00	0.38	98.56	1414.96	5.13 N	4.74 E	6.84	0.126
1509.00	0.35	102.48	1508.96	5.02 N	5.33 E	7.25	0.042
1598.00	0.72	54.41	1597.96	5.29 N	6.05 E	7.99	0.620
1695.00	0.76	36.03	1694.95	6.16 N	6.93 E	9.21	0.247
1789.00	0.53	26.71	1788.94	7.05 N	7.49 E	10.19	0.268
1883.00	0.91	55.64	1882.94	7.86 N	8.30 E	11.32	0.547
1978.00	2.00	59.13	1977.90	9.14 N	10.35 E	13.73	1.151
2072.00	1.81	66.30	2071.85	10.58 N	13.11 E	16.81	0.324
2164.00	1.89	61.61	2163.80	11.88 N	15.78 E	19.74	0.186
2260.00	2.01	61.91	2259.75	13.43 N	18.66 E	22.99	0.125
2354.00	2.41	59.39	2353.68	15.21 N	21.81 E	26.59	0.438
2448.00	2.46	56.19	2447.59	17.34 N	25.19 E	30.58	0.154
2542.00	2.61	57.24	2541.50	19.62 N	28.66 E	34.73	0.167
2636.00	2.77	57.66	2635.40	21.99 N	32.38 E	39.14	0.171
2730.00	2.74	54.20	2729.29	24.52 N	36.12 E	43.65	0.180
2824.00	3.03	56.50	2823.17	27.21 N	40.02 E	48.38	0.332
2918.00	3.09	54.44	2917.04	30.05 N	44.15 E	53.40	0.133
3012.00	2.91	53.24	3010.91	32.95 N	48.12 E	58.32	0.203
3106.00	2.65	54.40	3104.80	35.65 N	51.80 E	62.88	0.283
3201.00	2.57	56.59	3199.70	38.10 N	55.37 E	67.20	0.135
3295.00	2.43	53.75	3293.61	40.44 N	58.73 E	71.30	0.199
3389.00	2.23	51.70	3387.53	42.75 N	61.77 E	75.12	0.230
3483.00	2.12	53.46	3481.46	44.92 N	64.61 E	78.68	0.137
3577.00	1.96	50.19	3575.40	46.98 N	67.24 E	82.02	0.210
3671.00	1.93	51.75	3669.35	48.99 N	69.72 E	85.21	0.065
3765.00	1.97	49.59	3763.29	51.02 N	72.19 E	88.40	0.089
3859.00	1.70	47.97	3857.25	53.00 N	74.46 E	91.39	0.292
3953.00	1.61	40.97	3951.21	54.93 N	76.36 E	94.06	0.235
4047.00	1.82	40.66	4045.17	57.06 N	78.20 E	96.79	0.224
4141.00	1.51	45.01	4139.13	59.07 N	80.04 E	99.46	0.356
4235.00	1.66	46.98	4233.09	60.87 N	81.91 E	102.03	0.170
4330.00	1.70	50.65	4328.05	62.70 N	84.01 E	104.80	0.121
4423.00	2.03	45.50	4421.00	64.73 N	86.25 E	107.80	0.398
4518.00	2.16	48.05	4515.94	67.11 N	88.78 E	111.24	0.168
4611.00	2.14	50.10	4608.87	69.40 N	91.42 E	114.71	0.085

Survey Report for Andrews County, University 1-30 Unit #1H, Surveys: 120`MD - 7054`MD

Survey Depth (ft)	Incl. (°)	(Grid) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4705.00	1.71	55.34	4702.82	71.32 N	93.92 E	117.86	0.494
4799.00	1.54	51.10	4796.78	72.91 N	96.06 E	120.53	0.221
4893.00	1.81	59.20	4890.74	74.46 N	98.31 E	123.27	0.381
4987.00	1.63	57.09	4984.70	75.95 N	100.71 E	126.08	0.203
5081.00	1.68	62.69	5078.66	77.31 N	103.06 E	128.78	0.180
5176.00	1.50	59.07	5173.62	78.59 N	105.36 E	131.40	0.217
5270.00	1.20	52.25	5267.60	79.82 N	107.20 E	133.61	0.361
5364.00	0.85	61.09	5361.58	80.76 N	108.58 E	135.29	0.408
5458.00	0.44	207.30	5455.58	80.78 N	109.03 E	135.66	1.319
5552.00	0.44	205.16	5549.57	80.13 N	108.71 E	135.03	0.017
5646.00	0.35	239.03	5643.57	79.66 N	108.31 E	134.43	0.261
5740.00	0.43	234.25	5737.57	79.30 N	107.78 E	133.79	0.092
5834.00	0.21	214.99	5831.57	78.95 N	107.39 E	133.27	0.257
5928.00	0.04	226.76	5925.57	78.79 N	107.27 E	133.08	0.182
6022.00	0.27	188.37	6019.57	78.55 N	107.21 E	132.89	0.255
6116.00	0.22	254.46	6113.57	78.28 N	107.01 E	132.57	0.288
6210.00	0.34	214.83	6207.57	78.00 N	106.68 E	132.14	0.235
6304.00	0.37	271.37	6301.56	77.78 N	106.21 E	131.63	0.359
6395.00	0.13	317.45	6392.56	77.87 N	105.85 E	131.38	0.324
6490.00	0.08	31.19	6487.56	78.00 N	105.81 E	131.43	0.139
6584.00	0.05	26.90	6581.56	78.09 N	105.86 E	131.53	0.032
6678.00	0.30	252.84	6675.56	78.06 N	105.65 E	131.33	0.358
6772.00	0.34	225.65	6769.56	77.79 N	105.21 E	130.82	0.165
6866.00	0.64	226.51	6863.56	77.23 N	104.63 E	130.03	0.319
6960.00	1.39	184.93	6957.54	75.74 N	104.15 E	128.77	1.070
7054.00	1.29	192.97	7051.52	73.57 N	103.82 E	127.24	0.226

All data is in Feet (US Survey) unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to University 1-30 Unit #1H. Northings and Eastings are relative to University 1-30 Unit #1H.

The dogleg severity is in Degrees per 100 feet (US Survey).
Vertical Section is from University 1-30 Unit #1H calculated along an azimuth of 54.68° (Grid).

Based upon minimum curvature calculations, at a measured depth of 7054.00ft, the bottom hole displacement is 127.24ft, in the direction of 54.68° (Grid).

The along-hole displacement is 148.90ft. The total accumulated dogleg is 16.915°. The measured tortuosity is 0.245°/100ft. The directional difficulty index is 2.9.

Survey Tool Program for University 1-30 Unit #1H, Surveys: 120`MD - 7054`MD

Measured Depth (ft)	From Vertical Depth (ft)	To Vertical Depth (ft)	Measured Depth (ft)	Survey Tool Description
0.00	0.00	7054.00	7051.52	NOV_FLOSURVEY_TILT_MEM

Survey Report for Andrews County, University 1-30 Unit #1H, Surveys: 120`MD - 7054`MD

REFERENCE DATA

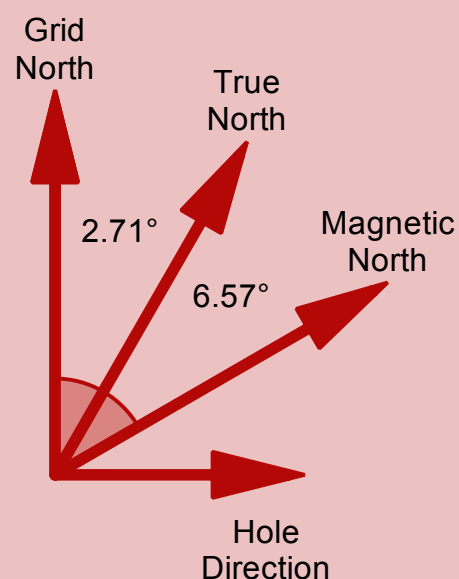
Ellipsoid	Clarke - 1866	Unit System	Feet (Us Survey)
Coord. System	NAD27 Texas State Planes, North Central Zone, US Foo	North Ref.	Grid North
Mag. Model	International Geomagnetic Reference Field 2015	Vertical Ref.	Mean Sea Level
Calc. Date	28 Feb, 2016		

LOCATION DATA

RKB Elevation	3121.00ft above MSL	Total Field	48154.2 nT
Map North	219251.37 N	Magnetic Dip	60.20°
Map East	462030.11 E	Declination	6.57°
Latitude	32° 10' 09.3596" N	Convergence	-2.71°
Longitude	102° 28' 18.7800" W		

NORTH REFERENCE DATA

Magnetic Model	ational Geomagnetic Reference Field 2015
Calculation Date	Sunday, February 28, 2016
Declination	6.57°
Inclination/Dip	60.20°
Horizontal Component	23927.7 nT
Northerly Component	23770.6 nT
Easterly Component	2737.1 nT
Vertical Component	41788.7 nT
Total Field Strength	48154.2 nT
Grid North is 2.71 degrees West of True North (Grid Convergence)	
Magnetic North is 6.57 degrees East of True North (Magnetic Declination)	
Magnetic North is 9.28 degrees East of Grid North (Magnetic Convergence)	
To convert a True Direction to a Grid Direction, Add 2.71 degrees.	
To convert a Magnetic Direction to a True Direction, Add 6.57 degrees.	
To convert a Magnetic Direction to a Grid Direction, Add 9.28 degrees.	



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**FloSurvey - Real Time Survey Tool**

1200 Cypress Creek Road
Cedar Park, TX 78613
Phone: (512)340-5000
Fax: (512)340-5441

March 7, 2016

Railroad Commission of Texas
Oil and Gas Division
PO Box 12967
Capital Station
Austin, Texas 78711

Attention: Pam Johns

Re:

CLIENT: Elevation Resources
WELL: University 1-30 Unit #1H
FIELD: Lowe (Miss.)
RIG: ICD #208
COUNTY: Andrews
API NO: 42-003-47340

We hereby certify that the enclosed field survey data performed on the referenced well by National Oilwell Varco (P-5 No. 600639), contained in this report represents to the best of our knowledge, a true and accurate survey of the surveyed section of the well at the time the survey was run.

Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Lee Pendegraft Survey Manager	University 1-30 Unit #1H Original Hole	120.00 Ft to 7054.00 Ft	February 28, 2016 to March 5, 2016	FloSurvey

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Mark Xenakis
Field Service Manager

CC: Elevation Resources
Enclosures: [2]
County of Andrews
State of Texas

Attn: Jason Kincaid
200 N. Loraine, Ste 1010
Midland, TX 79701

Attn:

FloSurvey - Real Time Survey Tool

1200 Cypress Creek Road

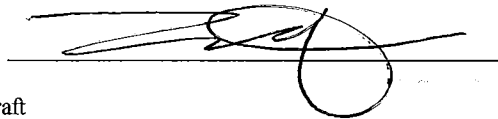
Cedar Park, TX 78613

Phone: (512) 340-5000

Fax: (512) 340-5441

I, Lee Pendegraft certify that; I am employed by National Oilwell Varco, L.P.; that the surveys taken on the day(s) of February 28, 2016 through March 05, 2016, from a depth of 120 feet to a depth of 7054 feet; are to the best of my knowledge, the data is true, correct, complete and within the limitations of the tool as set forth by National Oilwell Varco, L.P.; that I am authorized and qualified to make this report; that this survey was conducted at the request of Elevation Resources for the University 1-30 Unit #1H Well (Original Hole) API No. 42-003-47340 in Andrews County, Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by National Oilwell Varco, L.P.

Signature

A handwritten signature in black ink, appearing to read 'Lee Pendegraft', is written over a horizontal line.

Lee Pendegraft
Survey Manager



Directional Survey Report

Company Name: Elevation Resources
 Well Name: University 1-30 Unit 1H
 Field: Lowe/Emma
 Rig ID: ICD #208

State/Prov: Texas
 County: Andrews
 Location: Andrews
 API/UWI: 42-003-47340

Survey Company: Legacy Directional Drilling
 Job Number: MDM0316009
 Latitude: 32.199065
 Longitude: -102.475427

Proposed Azimuth: 347.45
 Declination: 9.28
 North Reference: Grid

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
Tiein	0	0	0	0	0	0	0	0
1	120	0.43	19.19	120.00	0.43	0.15	0.38	0.36
2	212	0.45	29.74	212.00	1.07	0.44	0.94	0.09
3	305	0.16	76.10	304.99	1.41	0.75	1.22	0.39
4	396	0.13	294.65	395.99	1.49	0.78	1.28	0.30
5	488	0.25	240.81	487.99	1.43	0.51	1.29	0.22
6	580	0.21	239.55	579.99	1.25	0.19	1.18	0.04
7	672	0.84	38.11	671.99	1.69	0.46	1.55	1.13
8	763	0.78	37.28	762.98	2.71	1.24	2.38	0.07
9	855	0.72	43.56	854.97	3.63	2.02	3.10	0.11
10	945	0.29	45.73	944.97	4.20	2.57	3.54	0.48
11	1039	0.40	33.29	1,038.97	4.64	2.93	3.89	0.14
12	1133	0.30	54.01	1,132.97	5.06	3.30	4.22	0.17
13	1227	0.31	70.65	1,226.97	5.29	3.74	4.35	0.09
14	1321	0.30	113.44	1,320.96	5.27	4.21	4.23	0.24
15	1415	0.38	98.56	1,414.96	5.13	4.74	3.97	0.13
16	1509	0.35	102.48	1,508.96	5.02	5.33	3.74	0.04
17	1598	0.72	54.41	1,597.96	5.29	6.05	3.85	0.62
18	1695	0.76	36.03	1,694.95	6.16	6.93	4.51	0.25
19	1789	0.53	26.71	1,788.94	7.05	7.49	5.26	0.27
20	1883	0.91	55.64	1,882.94	7.86	8.30	5.87	0.55
21	1978	2	59.13	1,977.90	9.14	10.35	6.67	1.15
22	2072	1.81	66.30	2,071.85	10.58	13.11	7.48	0.32
23	2164	1.89	61.61	2,163.80	11.88	15.78	8.17	0.19
24	2260	2.01	61.91	2,259.75	13.43	18.66	9.05	0.13
25	2354	2.41	59.39	2,353.68	15.21	21.81	10.11	0.44
26	2448	2.46	56.19	2,447.59	17.34	25.19	11.45	0.15
27	2542	2.61	57.24	2,541.50	19.62	28.66	12.92	0.17
28	2636	2.77	57.66	2,635.40	21.99	32.38	14.43	0.17
29	2730	2.74	54.20	2,729.29	24.52	36.12	16.09	0.18
30	2824	3.03	56.50	2,823.17	27.21	40.02	17.86	0.33
31	2918	3.09	54.44	2,917.04	30.05	44.15	19.74	0.13
32	3012	2.91	53.24	3,010.91	32.95	48.12	21.71	0.20
33	3106	2.65	54.40	3,104.80	35.65	51.80	23.54	0.28

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
34	3201	2.57	56.59	3,199.70	38.10	55.37	25.16	0.13
35	3295	2.43	53.75	3,293.61	40.44	58.73	26.71	0.20
36	3389	2.23	51.70	3,387.53	42.75	61.77	28.31	0.23
37	3483	2.12	53.46	3,481.46	44.92	64.61	29.81	0.14
38	3577	1.96	50.19	3,575.40	46.98	67.24	31.25	0.21
39	3671	1.93	51.75	3,669.35	48.99	69.72	32.67	0.06
40	3765	1.97	49.59	3,763.29	51.02	72.19	34.11	0.09
41	3859	1.70	47.97	3,857.25	53.00	74.46	35.56	0.29
42	3953	1.61	40.97	3,951.21	54.93	76.36	37.03	0.24
43	4047	1.82	40.66	4,045.17	57.06	78.20	38.71	0.22
44	4141	1.51	45.01	4,139.13	59.07	80.04	40.26	0.36
45	4235	1.66	46.98	4,233.09	60.87	81.91	41.62	0.17
46	4330	1.70	50.65	4,328.05	62.70	84.01	42.95	0.12
47	4423	2.03	45.50	4,421.00	64.73	86.25	44.45	0.40
48	4518	2.16	48.05	4,515.94	67.11	88.78	46.21	0.17
49	4611	2.14	50.10	4,608.87	69.40	91.42	47.87	0.09
50	4705	1.71	55.34	4,702.82	71.32	93.92	49.21	0.49
51	4799	1.54	51.10	4,796.78	72.91	96.06	50.30	0.22
52	4893	1.81	59.20	4,890.74	74.46	98.31	51.32	0.38
53	4987	1.63	57.09	4,984.70	75.95	100.71	52.25	0.20
54	5081	1.68	62.69	5,078.66	77.31	103.06	53.07	0.18
55	5176	1.50	59.07	5,173.62	78.59	105.36	53.81	0.22
56	5270	1.20	52.25	5,267.60	79.82	107.20	54.62	0.36
57	5364	0.85	61.09	5,361.58	80.76	108.58	55.24	0.41
58	5458	0.44	207.30	5,455.58	80.78	109.03	55.16	1.32
59	5552	0.44	205.16	5,549.57	80.13	108.71	54.59	0.02
60	5646	0.35	239.03	5,643.57	79.66	108.31	54.22	0.26
61	5740	0.43	234.25	5,737.57	79.30	107.78	53.99	0.09
62	5834	0.21	214.99	5,831.57	78.95	107.39	53.73	0.26
63	5928	0.04	226.76	5,925.57	78.79	107.27	53.60	0.18
64	6022	0.27	188.37	6,019.57	78.55	107.21	53.38	0.26
65	6116	0.22	254.46	6,113.57	78.28	107.01	53.16	0.29
66	6210	0.34	214.83	6,207.57	78.00	106.68	52.96	0.23
67	6304	0.37	271.37	6,301.56	77.78	106.21	52.84	0.36
68	6395	0.13	317.45	6,392.56	77.87	105.85	53.01	0.32
69	6490	0.08	31.19	6,487.56	78.00	105.81	53.15	0.14
70	6584	0.05	26.90	6,581.56	78.09	105.86	53.23	0.03
71	6678	0.30	252.84	6,675.56	78.06	105.65	53.24	0.36
72	6772	0.34	225.65	6,769.56	77.79	105.21	53.07	0.17
73	6866	0.64	226.51	6,863.56	77.23	104.63	52.65	0.32
74	6960	1.39	184.93	6,957.54	75.74	104.15	51.30	1.07
75	7054	1.29	192.97	7,051.52	73.57	103.82	49.25	0.23
76	7152	1.83	222.57	7,149.48	71.34	102.51	47.36	0.97
77	7340	1.35	245.98	7,337.41	68.23	98.46	45.21	0.42
78	7528	0.48	246.98	7,525.39	67.02	95.71	44.62	0.46

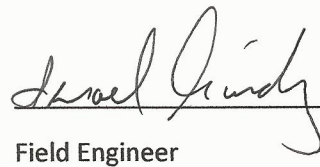
Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
79	7716	0.55	338.13	7,713.38	67.55	94.65	45.37	0.39
80	7904	0.79	28.27	7,901.37	69.53	94.93	47.24	0.32
81	8093	0.67	3.68	8,090.35	71.78	95.61	49.29	0.18
82	8281	1.69	72.39	8,278.32	73.72	98.33	50.59	0.84
83	8469	1.34	54.08	8,466.25	75.84	102.75	51.71	0.32
84	8657	1.10	54.83	8,654.21	78.17	106.01	53.27	0.13
85	8845	1.16	64.25	8,842.18	80.04	109.19	54.40	0.10
86	9033	0.27	128.75	9,030.16	80.59	111.25	54.49	0.57
87	9222	0.23	122	9,219.16	80.11	111.92	53.87	0.03
88	9410	0.36	258.43	9,407.16	79.79	111.66	53.62	0.29
89	9599	0.19	246.56	9,596.16	79.55	110.80	53.57	0.09
90	9787	0.35	211.08	9,784.15	78.93	110.21	53.10	0.12
91	9881	1.37	310.74	9,878.14	79.42	109.21	53.79	1.56
92	9975	2.12	317.19	9,972.10	81.43	107.18	56.19	0.82
93	10069	2.33	319.85	10,066.03	84.16	104.77	59.39	0.25
94	10163	2.80	324.30	10,159.93	87.49	102.19	63.19	0.54
95	10184	2.88	325.21	10,180.91	88.34	101.59	64.15	0.44
96	10215	3.45	327.62	10,211.86	89.77	100.65	65.75	1.89
97	10247	6.06	335.63	10,243.75	92.12	99.44	68.31	8.40
98	10278	9.41	343.41	10,274.46	96.04	98.04	72.44	11.30
99	10309	12.68	344.15	10,304.88	101.74	96.39	78.37	10.56
100	10341	14.86	345.95	10,335.96	109.10	94.43	85.98	6.94
101	10372	17.62	347.74	10,365.72	117.54	92.47	94.64	9.05
102	10404	20.99	345.92	10,395.92	127.84	90.04	105.22	10.70
103	10435	23.98	344.44	10,424.56	139.30	87.00	117.06	9.82
104	10466	27.38	344.01	10,452.49	152.22	83.35	130.47	10.98
105	10498	31.46	345.31	10,480.36	167.38	79.20	146.17	12.90
106	10529	35.40	347.14	10,506.23	183.96	75.15	163.24	13.12
107	10561	38.44	349.91	10,531.81	202.80	71.34	182.45	10.83
108	10592	41.81	350.86	10,555.51	222.49	68.01	202.40	11.05
109	10623	44.52	351.12	10,578.12	243.44	64.69	223.56	8.76
110	10654	47.53	350.33	10,599.64	265.45	61.09	245.83	9.88
111	10686	51.82	350.03	10,620.35	289.48	56.93	270.20	13.43
112	10717	55.86	349.70	10,638.63	314.12	52.53	295.20	13.06
113	10749	59.51	348.68	10,655.74	340.68	47.45	322.22	11.72
114	10780	63	347.30	10,670.64	367.25	41.79	349.40	11.92
115	10811	65.75	345.93	10,684.05	394.44	35.32	377.34	9.72
116	10843	68.48	343.94	10,696.49	422.90	27.65	406.79	10.28
117	10874	71.53	342.97	10,707.09	450.82	19.36	435.85	10.27
118	10906	74.50	343.44	10,716.44	480.12	10.51	466.36	9.39
119	10937	77.28	344.05	10,724.00	508.98	2.10	496.36	9.17
120	10969	80.64	344.61	10,730.12	539.22	-6.38	527.72	10.64
121	11000	83.02	345.87	10,734.53	568.89	-14.20	558.38	8.67
122	11031	85.41	346.52	10,737.65	598.84	-21.56	589.21	7.99
123	11063	88.12	346.68	10,739.46	629.91	-28.96	621.15	8.48

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
124	11094	89.44	346.66	10,740.12	660.07	-36.10	652.14	4.26
125	11143	90.40	347.60	10,740.19	707.84	-47.02	701.14	2.74
126	11237	91	345.30	10,739.04	799.21	-69.04	795.11	2.53
127	11331	90.50	342.60	10,737.81	889.53	-95.02	888.92	2.92
128	11425	90.84	342.79	10,736.71	979.27	-122.98	982.59	0.41
129	11519	91.48	344.94	10,734.81	1,069.54	-149.10	1,076.38	2.39
130	11614	90.39	345.62	10,733.26	1,161.41	-173.23	1,171.30	1.35
131	11708	92.04	348.45	10,731.26	1,252.98	-194.32	1,265.26	3.48
132	11802	92.55	348.76	10,727.50	1,345.05	-212.87	1,359.17	0.63
133	11896	89.55	348.32	10,725.78	1,437.15	-231.54	1,453.12	3.23
134	11991	90.62	348.13	10,725.64	1,530.15	-250.93	1,548.11	1.14
135	12085	91.15	347.10	10,724.18	1,621.95	-271.09	1,642.10	1.23
136	12179	90.64	344.88	10,722.71	1,713.14	-293.84	1,736.05	2.42
137	12273	90.87	343.87	10,721.48	1,803.65	-319.16	1,829.91	1.10
138	12368	91.54	345.81	10,719.48	1,895.32	-343.99	1,924.78	2.16
139	12462	91.74	346.35	10,716.79	1,986.52	-366.60	2,018.72	0.61
140	12556	92.57	347.18	10,713.25	2,077.96	-388.10	2,112.64	1.25
141	12650	89.27	346.24	10,711.74	2,169.42	-409.71	2,206.61	3.65
142	12745	89.30	347.05	10,712.93	2,261.84	-431.65	2,301.59	0.85
143	12839	91.15	350.27	10,712.56	2,353.99	-450.13	2,395.55	3.95
144	12933	91.45	351.79	10,710.43	2,446.81	-464.78	2,489.34	1.65
145	13027	90.36	351.64	10,708.94	2,539.82	-478.32	2,583.07	1.17
146	13121	90.14	353.75	10,708.53	2,633.05	-490.27	2,676.67	2.26
147	13216	89.58	349.91	10,708.76	2,727.07	-503.77	2,771.37	4.08
148	13310	90.70	352.58	10,708.54	2,819.96	-518.08	2,865.16	3.08
149	13404	90.87	353.35	10,707.25	2,913.24	-529.59	2,958.71	0.84
150	13499	90.62	351.40	10,706.01	3,007.39	-542.19	3,053.35	2.07
151	13593	90.76	348.18	10,704.88	3,099.88	-558.85	3,147.25	3.43
152	13687	90.84	346.33	10,703.57	3,191.55	-579.59	3,241.24	1.97
153	13781	90.59	342.46	10,702.39	3,282.06	-604.87	3,335.08	4.13
154	13876	91.04	341.99	10,701.04	3,372.52	-633.86	3,429.67	0.68
155	13970	91.23	341.08	10,699.18	3,461.66	-663.63	3,523.15	0.99
156	14064	91.85	341.50	10,696.65	3,550.66	-693.77	3,616.58	0.80
157	14158	91.68	342.21	10,693.76	3,639.94	-723.03	3,710.08	0.78
158	14252	91.90	344.83	10,690.82	3,730.03	-749.68	3,803.81	2.80
159	14347	90.84	344.48	10,688.55	3,821.62	-774.82	3,898.67	1.18
160	14441	92.18	345.36	10,686.07	3,912.35	-799.26	3,992.54	1.71
161	14535	92.69	347.55	10,682.08	4,003.64	-821.26	4,086.43	2.39
162	14629	90.14	348.59	10,679.76	4,095.58	-840.68	4,180.39	2.93
163	14723	92.41	347.95	10,677.67	4,187.58	-859.78	4,274.35	2.51
164	14818	91.85	347.36	10,674.14	4,280.32	-880.08	4,369.28	0.86
165	14912	91.06	345.68	10,671.75	4,371.70	-901.98	4,463.24	1.97
166	15006	91.04	345.45	10,670.03	4,462.72	-925.41	4,557.17	0.25
167	15040	91.99	344.36	10,669.13	4,495.53	-934.26	4,591.12	4.25
168	15134	89.61	347.85	10,667.82	4,586.75	-956.83	4,685.07	4.49

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
169	15228	89.97	348.43	10,668.16	4,678.74	-976.15	4,779.06	0.73
170	15322	88.66	348.37	10,669.28	4,770.81	-995.05	4,873.04	1.40
171	15417	90.14	348.44	10,670.28	4,863.87	-1,014.14	4,968.02	1.56
172	15511	90.22	347.32	10,669.98	4,955.77	-1,033.88	5,062.01	1.19
173	15605	91.01	347.82	10,668.97	5,047.56	-1,054.11	5,156.01	0.99
174	15699	89.83	348.30	10,668.28	5,139.52	-1,073.55	5,250.00	1.36
175	15794	91.73	348.29	10,666.99	5,232.53	-1,092.82	5,344.97	2.00
176	15888	91.32	349.30	10,664.49	5,324.71	-1,111.08	5,438.91	1.16
177	15982	90.95	347.68	10,662.63	5,416.80	-1,129.84	5,532.88	1.77
178	16076	89.50	344.69	10,662.26	5,508.06	-1,152.28	5,626.84	3.54
179	16170	87.71	344.40	10,664.55	5,598.63	-1,177.32	5,720.69	1.93
180	16265	87.99	344.22	10,668.11	5,690.03	-1,202.99	5,815.48	0.35
181	16359	89.10	344.24	10,670.50	5,780.46	-1,228.53	5,909.30	1.18
182	16453	90.87	344.17	10,670.52	5,870.91	-1,254.12	6,003.14	1.88
183	16547	91.23	344.35	10,668.80	5,961.37	-1,279.61	6,096.98	0.43
184	16641	91.76	343.66	10,666.35	6,051.70	-1,305.50	6,190.78	0.93
185	16716	91.74	342.10	10,664.06	6,123.34	-1,327.57	6,265.50	2.08
186	16763	91.74	342.10	10,662.63	6,168.04	-1,342.01	6,312.28	0

Gordon Technologies, LLC
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Scott, LA 70583
Phone: (337)-233-1804

I, Israel Guidry Certify that; I am employed by Gordon Technologies LLC; that I did on the days of March 6, 2016 through March 27, 2016 conduct or supervise the taking of the MWD surveys from a depth of 7152 feet to a depth of 16763 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Gordon Technologies, LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of Elevation Resources, LLC. for the University 1-30 Unit #1H (Original Hole) API No. 42-003-47340 in Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Gordon Technologies, LLC.


Field Engineer