

**Elevation Resources
Andrews County
University 1-26 Unit 5H
Surveys: 271`MD - 7076`MD
Survey Date: Monday, July 04, 2016**

National Oilwell Varco Survey Report

Sunday, July 10, 2016

UWI No. 42-003-47118

Surface Coordinates: 224479.40 N, 444329.80 E (32° 10' 52.7011" N, 102° 31' 47.3729" W)
Grid Coordinate System: NAD27 Texas State Planes, North Central Zone, US Foot

Kelly Bushing Elevation: 3175.00ft above Mean Sea Level
Kelly Bushing Elevation: 30.00ft above Ground Level
Ground Level: 3145.00ft above Mean Sea Level

Survey Ref: svy565

Survey Report for Andrews County, University 1-26 Unit 5H, Surveys: 271`MD - 7076`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	
271.00	2.05	127.69	270.94	2.96 S	3.84 E	3.41	0.76
361.00	1.83	133.36	360.89	4.93 S	6.15 E	5.65	0.32
640.00	1.63	130.06	639.76	10.55 S	12.43 E	11.98	0.08
822.00	1.38	134.45	821.70	13.75 S	15.98 E	15.59	0.15
1005.00	1.37	135.37	1004.65	16.85 S	19.09 E	19.05	0.01
1184.00	1.21	141.99	1183.60	19.86 S	21.75 E	22.36	0.12
1365.00	0.98	179.45	1364.57	22.91 S	22.95 E	25.54	0.41
1544.00	0.54	171.06	1543.56	25.28 S	23.09 E	27.90	0.25
1572.00	0.63	167.75	1571.55	25.56 S	23.14 E	28.19	0.34
1618.00	0.58	154.02	1617.55	26.01 S	23.30 E	28.66	0.33
1931.00	0.68	169.54	1930.53	29.26 S	24.33 E	32.01	0.06
2168.00	1.14	134.28	2167.50	32.29 S	26.27 E	35.25	0.30
2614.00	2.01	128.03	2613.33	40.21 S	35.61 E	44.25	0.20
2702.00	2.29	122.30	2701.27	42.10 S	38.31 E	46.45	0.40
3150.00	1.99	146.11	3148.97	53.34 S	50.22 E	59.06	0.21
3599.00	1.68	146.65	3597.73	65.31 S	58.18 E	71.91	0.07
3870.00	1.55	143.38	3868.63	71.57 S	62.55 E	78.65	0.06
4318.00	0.85	162.17	4316.53	79.60 S	67.18 E	87.18	0.18
4766.00	0.59	136.17	4764.49	84.42 S	69.80 E	92.29	0.09
5214.00	0.19	248.60	5212.49	86.36 S	70.70 E	94.32	0.15
5390.00	0.38	258.45	5388.48	86.58 S	69.86 E	94.44	0.11
5478.00	0.57	244.48	5476.48	86.83 S	69.18 E	94.60	0.25
5658.00	0.57	246.96	5656.47	87.57 S	67.55 E	95.14	0.01
5961.00	0.65	280.89	5959.45	87.83 S	64.47 E	95.03	0.12
6195.00	1.43	252.43	6193.42	88.46 S	60.39 E	95.15	0.39
6643.00	2.81	254.45	6641.10	93.09 S	44.48 E	97.81	0.31
6767.00	3.35	255.11	6764.92	94.84 S	38.05 E	98.76	0.44
6856.00	4.13	255.23	6853.73	96.32 S	32.43 E	99.56	0.88
7076.00	6.92	245.14	7072.69	103.92 S	12.74 E	104.70	1.34

All data is in Feet (US Survey) unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to University 1-26 Unit 5H. Northings and Eastings are relative to University 1-26 Unit 5H.

The dogleg severity is in Degrees per 100 feet (US Survey).
Vertical Section is from University 1-26 Unit 5H calculated along an azimuth of 173.01° (Grid).

Based upon minimum curvature calculations, at a measured depth of 7076.00ft, the bottom hole displacement is 104.70ft, in the direction of 173.01° (Grid).

The along-hole displacement is 175.13ft. The total accumulated dogleg is 16.47°. The measured tortuosity is 0.24°/100ft. The directional difficulty index is 3.0.

Survey Tool Program for University 1-26 Unit 5H, Surveys: 271`MD - 7076`MD

From Measured Depth (ft)	Vertical Depth (ft)	To Measured Depth (ft)	Vertical Depth (ft)	Survey Tool Description
0.00	0.00	7076.00	7072.69	NOV_FLOSURVEY_TILT_MEM

Survey Report for Andrews County, University 1-26 Unit 5H, Surveys: 271`MD - 7076`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	04 Jul, 2016		

LOCATION DATA

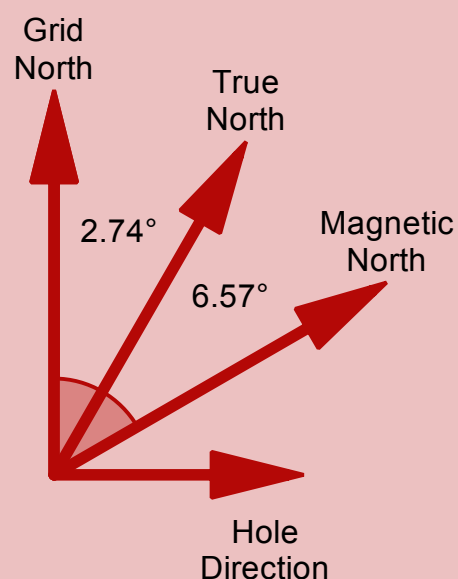
RKB Elevation	3175.00ft above MSL	Total Field	48119.6 nT
Map North	224479.40 N	Magnetic Dip	60.20°
Map East	444329.80 E	Declination	6.57°
Latitude	32° 10' 52.7011" N	Convergence	-2.74°
Longitude	102° 31' 47.3729" W		

NORTH REFERENCE DATA

Magnetic Model	ational Geomagnetic Reference Field 2015
Calculation Date	Monday, July 04, 2016
Declination	6.57°
Inclination/Dip	60.20°
Horizontal Component	23912.9 nT
Northerly Component	23756.4 nT
Easterly Component	2731.6 nT
Vertical Component	41757.2 nT
Total Field Strength	48119.6 nT

Grid North is 2.74 degrees West of True North (Grid Convergence)
Magnetic North is 6.57 degrees East of True North (Magnetic Declination)
Magnetic North is 9.31 degrees East of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction, Add 2.74 degrees.
To convert a Magnetic Direction to a True Direction, Add 6.57 degrees.
To convert a Magnetic Direction to a Grid Direction, Add 9.31 degrees.



Disclaimer Notice

National Oilwell Varco makes no warranty of any kind with respect to the subject matter included herein or the completeness or accuracy of this document.

National Oilwell Varco are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.

**FloSurvey - Real Time Survey Tool**

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

July 11, 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 1-26 Unit 5H
FIELD: Emma (Devonian)
RIG: Savanna 801
COUNTY: Andrews
API NO: 42-003-47118

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 1-26 Unit 5H Original Hole	271.00 Ft to 7076.00 Ft	July 4, 2016 to July 9, 2016	FloSurvey

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

Lee Baker
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 July 04, 2016 through July 09, 2016, from a depth of 271 feet to a depth of 7076 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 1-26 Unit 5H Well (Original Hole) API No. 42-003-47118 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

Elevation Resources, LLC													
University 1-26 Unit #5H													
Measured			Vertical			Vertical	Dogleg						
Depth	Incl.	Azim.	Depth	Northings	Eastings	Section	Rate						
(ft)			(ft)	(ft)	(ft)	(ft)	(°/100ft)						
0	0	0	0	0	0	0	0						
271	2.05	127.69	270.94	-2.96	3.84	3.73	0.76	The Following are NOV FloDrift Surveys					
361	1.83	133.36	360.89	-4.93	6.15	6.15	0.32						
640	1.63	130.06	639.76	-10.55	12.43	12.99	0.08						
822	1.38	134.45	821.7	-13.75	15.98	16.89	0.15						
1005	1.37	135.37	1004.65	-16.85	19.09	20.59	0.01						
1184	1.21	141.99	1183.6	-19.86	21.75	24.11	0.12						
1365	0.98	179.45	1364.57	-22.91	22.95	27.35	0.41						
1544	0.54	171.06	1543.56	-25.28	23.09	29.69	0.25						
1572	0.63	167.75	1571.55	-25.56	23.14	29.97	0.34						
1618	0.58	154.02	1617.55	-26.01	23.3	30.45	0.33						
1931	0.68	169.54	1930.53	-29.26	24.33	33.85	0.06						
2168	1.14	134.28	2167.5	-32.29	26.27	37.23	0.3						
2614	2.01	128.03	2613.33	-40.21	35.61	46.98	0.2						
2702	2.29	122.3	2701.27	-42.1	38.31	49.42	0.4						
3150	1.99	146.11	3148.97	-53.34	50.22	62.97	0.21						
3599	1.68	146.65	3597.73	-65.31	58.18	76.38	0.07						
3870	1.55	143.38	3868.63	-71.57	62.55	83.44	0.06						
4318	0.85	162.17	4316.53	-79.6	67.18	92.29	0.18						
4766	0.59	136.17	4764.49	-84.42	69.8	97.57	0.09						
5214	0.19	248.6	5212.49	-86.36	70.7	99.65	0.15						
5390	0.38	258.45	5388.48	-86.58	69.86	99.69	0.11						
5478	0.57	244.48	5476.48	-86.83	69.18	99.78	0.25						
5658	0.57	246.96	5656.47	-87.57	67.55	100.14	0.01						
5961	0.65	280.89	5959.45	-87.83	64.47	99.73	0.12						
6195	1.43	252.43	6193.42	-88.46	60.39	99.46	0.39						
6643	2.81	254.45	6641.1	-93.09	44.48	100.53	0.31						
6767	3.35	255.11	6764.92	-94.84	38.05	100.84	0.44						
6856	4.13	255.23	6853.73	-96.32	32.43	101.07	0.88						
7076	6.92	245.14	7072.69	-103.92	12.74	104.2	1.34	Tie-In to NOV FloDrift Survey					
7214	8.03	242.2	7209.52	-111.91	-3.32	108.52	0.85	The Following are Legacy Directional MWD Surveys					
7304	6.83	245.23	7298.76	-117.08	-13.75	111.3	1.4						
7393	6.09	244.45	7387.19	-121.33	-22.81	113.49	0.84						
7483	5.19	237.7	7476.76	-125.57	-30.56	115.94	1.24						
7573	3.67	239.39	7566.49	-129.21	-36.48	118.21	1.69						
7662	3.43	240.92	7655.31	-131.96	-41.26	119.85	0.29						
7752	2.31	240.87	7745.2	-134.15	-45.19	121.13	1.24						
7841	1.7	226.47	7834.15	-135.93	-47.72	122.33	0.88						
7931	1.68	224.19	7924.11	-137.8	-49.61	123.74	0.08						
8020	2.15	225.52	8013.06	-139.9	-51.71	125.33	0.53						
8110	2.46	226.41	8102.98	-142.41	-54.31	127.22	0.35						
8199	1.96	183.63	8191.92	-145.25	-55.79	129.67	1.88						
8379	1.84	194.2	8371.82	-151.12	-56.69	135.21	0.21						
8467	1.84	194.2	8459.78	-153.86	-57.39	137.73	0	Straight Line Projection to Bit Depth @ 8467"MD					



MWD SURVEY CERTIFICATION
Gordon Technologies, LLC

State Of TEXAS

County Of ANDREWS

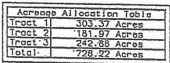
I, JASON BREELAND certify that; I am employed by Gordon Technologies, LL
that I did on the day(s) of July 11, 2016 through July 13, 2016 conduct
or supervise the taking of a MWD survey from a depth of 7,214 feet to a depth of
8,467 feet; that the data is true, correct, complete and within the limitations of the
tool set forth by Gordon Technologies, LLC.; that I am authorized and qualified to make this repo
that this survey was conducted at the request of ELEVATION RESOURCES, LLC. for the
UNIVERSITY 1-26 UNIT #5H Well, A.P.I. No. 42-003-47118 in
DEVONION / ANDREWS Field and that I have reviewed this report and find that
it conforms to the principles and procedures set for the by Gordon Technologies, LLC.



Surveyor's Signature

MWD COORDINATOR

Title



- ⑤ - Denotes Proposed Surface Well Location.
- ⑥ - Denotes Proposed Take Point.
- ⑦ - Denotes Proposed Bottom Hole Location.
- ⑧ - Denotes Producing Well Location.
- ⑨ - Denotes Unit Boundary.
- ⑩ - Denotes Tract number.

1) Plane Coordinates and Bearings shown hereon are Lambert Grid and Conform, to the "Texas Coordinate System," Texas North Central Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.

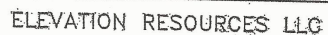
2) Geodetic Coordinate, unless otherwise shown hereon, references the North American Datum of 1927, (Clarke Spheroid of 1866). Reference: Stations - "ODESSA RRP2" - COR5 (DF5393), "LUBBOCK RRP2" - COR5 (DF5391) and "McDONALD VLBT" - COR5 (AF9514).

4) This plat is provided for filing purposes only with the the Texas Railroad Commission and should not be construed as a boundary survey.

I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION.

Date Surveyed: November 3, 2014
Weather: Cool & Clear

The University 1-26 Unit 75H is located approximately 10 miles South-Southeast of Andrews, Texas.



Location of the
UNIVERSITY 1-26 UNIT #5H

Surface Location: 360' FNL & 400' FNL, Section 26
Bottom Hole Location: 2100' FNL & 400' FNL, Section 27

Block 1.
University Land Survey
Andrews County, Texas:

Drawn By: CLB / BTW

Date: April 8, 2015

[illegible]



12074 FM 3083 Rd., Conroe, TX 77304 | P: 936-756-2400 | F: 936-756-2401

November 29, 2016

The Railroad Commission of Texas
Oil & Gas Division
P.O. Drawer 12967
Capital Station
Austin, TX 78711-2967

Attention: Pam Johns

RE: Elevation Resources (247756)
Well: University 1-26 #5H ST1
Field: Emma (Devonian)
Andrews County, TX
API Number: 42-003-47118

Dear Ms. Johns,

Please find the attached surveys performed on the above referenced well by VON Directional Services, LLC. Other information required by your office is as follows:

Name of surveyor: Derek Richard

Sidetrack 1:

Surveyed Depths: 7162 – 17770' MD
Date Performed: 12/02/16 – 12/22/16
Type of Survey: Directional Survey – MWD

A certified plat on which the bottom hole location is oriented both to the surface location and the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Roby Jacob
Directional Manager



Job Number: 160067
Company: Elevation
Lease/Well: Elevation 1-26 #5H ST1
Location: Andrews County
Rig Name: Precision 593
RKB: 3170
G.L. or M.S.L.: 3145'

State/Country: Texas
Declination: 6.56
Grid: -2.74
File name: C:\WINSERVE\160067.SVY
Date/Time: 22-Nov-16 / 19:13
Curve Name: University 1-26 Unit 5H ST1

VON Directional Services, LLC

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 167.46
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>Subsea TVD FT</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>C L O S U R E Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
Tie-In to NOV FloSurveys										
7076.00	6.92	245.14	7072.69	-3902.69	-103.92	12.74	104.21	104.70	173.01	.00
7162.00	7.79	245.78	7157.98	-3987.98	-108.49	2.72	106.49	108.52	178.56	1.02
7191.00	7.65	255.74	7186.72	-4016.72	-109.77	-.94	106.95	109.77	180.49	4.63
7286.00	7.08	300.27	7281.01	-4111.01	-108.38	-12.13	103.16	109.05	186.39	5.89
7382.00	5.85	339.51	7376.44	-4206.44	-100.81	-18.96	94.29	102.57	190.65	4.67
7477.00	5.37	12.65	7471.01	-4301.01	-91.93	-19.68	85.47	94.02	192.08	3.40
7572.00	3.62	12.84	7565.72	-4395.72	-84.67	-18.04	78.73	86.57	192.03	1.84
7668.00	2.86	20.82	7661.56	-4491.56	-79.48	-16.52	73.99	81.17	191.74	.92
7763.00	2.43	24.99	7756.46	-4586.46	-75.44	-14.82	70.42	76.88	191.12	.50
7858.00	2.69	26.50	7851.37	-4681.37	-71.62	-12.98	67.09	72.78	190.27	.28
7954.00	3.38	31.07	7947.23	-4777.23	-67.18	-10.51	63.29	67.99	188.89	.76
8047.00	3.52	35.33	8040.06	-4870.06	-62.50	-7.45	59.39	62.94	186.79	.31
8142.00	3.71	40.51	8134.87	-4964.87	-57.78	-3.76	55.59	57.90	183.73	.40
8237.00	4.31	50.91	8229.64	-5059.64	-53.19	1.01	52.14	53.20	178.92	.99
8333.00	3.09	45.50	8325.44	-5155.44	-49.11	5.65	49.16	49.43	173.44	1.32
8428.00	2.80	40.41	8420.32	-5250.32	-45.54	8.98	46.41	46.42	168.84	.41
8523.00	1.95	45.95	8515.23	-5345.23	-42.65	11.65	44.17	44.22	164.73	.93
8618.00	1.60	47.59	8610.19	-5440.19	-40.64	13.79	42.66	42.91	161.26	.37
8707.00	1.38	45.01	8699.16	-5529.16	-39.04	15.46	41.47	41.99	158.39	.26
8802.00	1.17	40.42	8794.13	-5624.13	-37.49	16.90	40.27	41.13	155.73	.25
8897.00	1.20	38.78	8889.11	-5719.11	-35.98	18.15	39.06	40.30	153.23	.05
8992.00	1.28	42.83	8984.09	-5814.09	-34.43	19.50	37.84	39.56	150.47	.12
9088.00	1.27	43.80	9080.07	-5910.07	-32.87	20.96	36.64	38.99	147.47	.02
9183.00	1.26	47.34	9175.04	-6005.04	-31.40	22.46	35.53	38.61	144.43	.08

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
9278.00	1.38	46.89	9270.02	-6100.02	-29.91	24.06	34.42	38.39	141.19	.13
9374.00	1.28	50.40	9365.99	-6195.99	-28.44	25.73	33.35	38.35	137.86	.13
9469.00	1.27	52.22	9460.97	-6290.97	-27.12	27.38	32.42	38.54	134.72	.04
9564.00	1.22	53.77	9555.95	-6385.95	-25.88	29.03	31.56	38.89	131.71	.06
9658.00	1.13	59.24	9649.93	-6479.93	-24.81	30.63	30.87	39.42	129.00	.15
9754.00	1.35	68.44	9745.90	-6575.90	-23.91	32.50	30.40	40.35	126.34	.31
9848.00	1.43	68.89	9839.88	-6669.88	-23.08	34.62	30.05	41.61	123.69	.09
9944.00	1.20	80.89	9935.85	-6765.85	-22.49	36.73	29.93	43.07	121.48	.37
10038.00	1.24	83.32	10029.83	-6859.83	-22.22	38.72	30.09	44.64	119.85	.07
10133.00	1.20	83.27	10124.81	-6954.81	-21.98	40.72	30.30	46.28	118.36	.04
10229.00	1.86	133.77	10220.78	-7050.78	-22.94	42.85	31.70	48.60	118.16	1.50
10324.00	3.46	156.56	10315.68	-7145.68	-26.64	45.10	35.79	52.38	120.57	1.99
10419.00	3.12	163.13	10410.52	-7240.52	-31.74	46.99	41.19	56.71	124.04	.53
10513.00	3.60	164.64	10504.36	-7334.36	-37.04	48.52	46.69	61.04	127.36	.52
10576.00	3.30	166.10	10567.24	-7397.24	-40.70	49.48	50.47	64.07	129.44	.50
10645.00	4.37	169.58	10636.09	-7466.09	-45.22	50.43	55.09	67.73	131.88	1.59
10677.00	7.98	174.63	10667.90	-7497.90	-48.63	50.86	58.51	70.36	133.72	11.40
10708.00	11.55	177.59	10698.44	-7528.44	-53.87	51.19	63.70	74.31	136.46	11.63
10739.00	14.87	179.80	10728.62	-7558.62	-60.95	51.33	70.64	79.69	139.90	10.83
10771.00	17.61	182.71	10759.34	-7589.34	-69.90	51.12	79.33	86.59	143.82	8.93
10803.00	20.05	183.13	10789.62	-7619.62	-80.21	50.59	89.28	94.83	147.76	7.64
10840.00	22.98	183.47	10824.04	-7654.04	-93.76	49.81	102.33	106.16	152.02	7.93
10872.00	26.41	182.08	10853.11	-7683.11	-107.11	49.17	115.23	117.85	155.34	10.87
10904.00	29.87	178.20	10881.33	-7711.33	-122.19	49.16	129.95	131.71	158.08	12.23
10936.00	32.85	175.41	10908.65	-7738.65	-138.81	50.11	146.38	147.58	160.15	10.36
10967.00	36.44	171.81	10934.15	-7764.15	-156.31	52.09	163.89	164.76	161.57	13.33
10999.00	40.37	170.31	10959.22	-7789.22	-175.94	55.19	183.73	184.40	162.58	12.62
11030.00	44.35	168.77	10982.13	-7812.13	-196.47	58.99	204.60	205.14	163.29	13.27
11062.00	49.28	167.85	11004.02	-7834.02	-219.31	63.73	227.92	228.39	163.80	15.55
11125.00	58.48	167.51	11041.12	-7871.12	-268.98	74.58	278.75	279.13	164.50	14.61
11221.00	69.26	168.09	11083.34	-7913.34	-353.10	92.75	364.81	365.08	165.28	11.24
11284.00	77.19	168.63	11101.50	-7931.50	-412.13	104.90	425.08	425.27	165.72	12.61
11316.00	81.80	168.60	11107.34	-7937.34	-442.97	111.11	456.53	456.69	165.92	14.41
11342.00	84.90	168.39	11110.35	-7940.35	-468.27	116.26	482.34	482.49	166.06	11.95
11374.00	85.52	168.31	11113.02	-7943.02	-499.50	122.70	514.23	514.35	166.20	1.95
11486.00	89.86	168.17	11117.53	-7947.53	-609.04	145.51	626.10	626.18	166.56	3.88
11581.00	89.94	167.95	11117.70	-7947.70	-701.98	165.16	721.09	721.15	166.76	.25
11675.00	90.03	168.35	11117.72	-7947.72	-793.98	184.46	815.09	815.12	166.92	.44
11770.00	90.38	168.38	11117.38	-7947.38	-887.02	203.62	910.07	910.10	167.07	.37
11864.00	90.70	168.23	11116.50	-7946.50	-979.07	222.68	1004.06	1004.07	167.19	.38
11959.00	91.03	168.46	11115.06	-7945.06	-1072.10	241.87	1099.04	1099.04	167.29	.42
12054.00	89.80	168.87	11114.37	-7944.37	-1165.24	260.54	1194.01	1194.01	167.40	1.36
12148.00	90.28	168.86	11114.31	-7944.31	-1257.47	278.69	1287.98	1287.98	167.50	.51
12243.00	90.59	168.92	11113.59	-7943.59	-1350.69	296.99	1382.95	1382.95	167.60	.33
12337.00	90.93	168.91	11112.34	-7942.34	-1442.93	315.07	1476.91	1476.92	167.68	.36

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
12432.00	91.25	169.16	11110.53	-7940.53	-1536.17	333.13	1571.86	1571.88	167.76	.43
12526.00	91.44	169.02	11108.33	-7938.33	-1628.45	350.92	1665.79	1665.83	167.84	.25
12621.00	91.64	169.01	11105.77	-7935.77	-1721.68	369.01	1760.73	1760.78	167.90	.21
12715.00	91.86	169.21	11102.90	-7932.90	-1813.94	386.77	1854.64	1854.71	167.96	.32
12809.00	92.56	169.51	11099.28	-7929.28	-1906.25	404.11	1948.52	1948.62	168.03	.81
12904.00	92.19	168.43	11095.34	-7925.34	-1999.42	422.27	2043.40	2043.52	168.07	1.20
12999.00	92.85	169.10	11091.16	-7921.16	-2092.51	440.76	2138.29	2138.42	168.11	.99
13093.00	90.93	168.70	11088.06	-7918.06	-2184.69	458.85	2232.20	2232.36	168.14	2.09
13187.00	91.36	168.36	11086.19	-7916.19	-2276.80	477.53	2326.17	2326.34	168.15	.58
13255.00	91.41	168.21	11084.54	-7914.54	-2343.36	491.34	2394.14	2394.32	168.16	.23
13350.00	91.71	168.32	11081.96	-7911.96	-2436.34	510.65	2489.09	2489.28	168.16	.34
13445.00	92.12	168.82	11078.78	-7908.78	-2529.40	529.47	2584.02	2584.23	168.18	.68
13539.00	92.27	167.95	11075.18	-7905.18	-2621.41	548.38	2677.94	2678.15	168.18	.94
13633.00	91.56	167.40	11072.04	-7902.04	-2713.19	568.43	2771.89	2772.10	168.17	.96
13728.00	91.78	167.66	11069.27	-7899.27	-2805.91	588.94	2866.85	2867.05	168.15	.36
13822.00	92.35	168.01	11065.88	-7895.88	-2897.74	608.73	2960.78	2960.99	168.14	.71
13917.00	90.94	167.59	11063.16	-7893.16	-2990.55	628.80	3055.74	3055.95	168.13	1.55
14011.00	91.58	167.59	11061.09	-7891.09	-3082.33	649.00	3149.72	3149.92	168.11	.68
14106.00	92.03	167.69	11058.10	-7888.10	-3175.09	669.32	3244.67	3244.87	168.10	.49
14200.00	91.28	167.47	11055.38	-7885.38	-3266.85	689.53	3338.63	3338.82	168.08	.83
14295.00	91.39	167.81	11053.17	-7883.17	-3359.62	709.86	3433.60	3433.80	168.07	.38
14389.00	91.76	167.94	11050.59	-7880.59	-3451.49	729.60	3527.56	3527.76	168.06	.42
14484.00	92.25	168.35	11047.26	-7877.26	-3544.40	749.10	3622.50	3622.70	168.07	.67
14579.00	90.92	168.19	11044.64	-7874.64	-3637.38	768.41	3717.45	3717.66	168.07	1.41
14673.00	91.39	168.64	11042.74	-7872.74	-3729.45	787.28	3811.42	3811.64	168.08	.69
14768.00	90.63	168.50	11041.07	-7871.07	-3822.55	806.10	3906.38	3906.62	168.09	.81
14862.00	90.95	166.98	11039.77	-7869.77	-3914.39	826.06	4000.37	4000.61	168.08	1.65
14957.00	92.09	166.37	11037.25	-7867.25	-4006.80	847.95	4095.33	4095.54	168.05	1.36
15051.00	91.21	165.93	11034.54	-7864.54	-4098.03	870.44	4189.26	4189.45	168.01	1.05
15145.00	91.56	166.27	11032.27	-7862.27	-4189.25	893.01	4283.21	4283.37	167.97	.52
15240.00	91.62	165.94	11029.64	-7859.64	-4281.44	915.82	4378.14	4378.29	167.93	.35
15334.00	90.31	165.67	11028.05	-7858.05	-4372.55	938.87	4472.09	4472.21	167.88	1.42
15429.00	90.07	165.92	11027.74	-7857.74	-4464.64	962.18	4567.05	4567.15	167.84	.36
15523.00	89.98	165.94	11027.70	-7857.70	-4555.82	985.03	4661.02	4661.10	167.80	.10
15618.00	89.90	166.30	11027.80	-7857.80	-4648.05	1007.82	4755.99	4756.06	167.77	.39
15712.00	90.66	166.52	11027.34	-7857.34	-4739.42	1029.91	4849.97	4850.03	167.74	.84
15807.00	90.97	166.62	11025.98	-7855.98	-4831.81	1051.97	4944.95	4945.00	167.72	.34
15901.00	90.93	166.82	11024.43	-7854.43	-4923.28	1073.56	5038.93	5038.97	167.70	.22
15996.00	91.45	167.26	11022.45	-7852.45	-5015.84	1094.86	5133.91	5133.95	167.69	.72
16090.00	91.33	167.32	11020.17	-7850.17	-5107.51	1115.54	5227.88	5227.92	167.68	.14
16185.00	91.86	167.58	11017.53	-7847.53	-5200.21	1136.17	5322.84	5322.88	167.68	.62
16279.00	92.89	166.90	11013.63	-7843.63	-5291.80	1156.91	5416.76	5416.79	167.67	1.31
16374.00	93.32	166.93	11008.49	-7838.49	-5384.20	1178.39	5511.61	5511.64	167.65	.45
16468.00	93.52	167.24	11002.88	-7832.88	-5475.66	1199.36	5605.44	5605.47	167.65	.39
16563.00	93.07	167.35	10997.42	-7827.42	-5568.18	1220.22	5700.29	5700.31	167.64	.49

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
16657.00	93.03	168.16	10992.42	-7822.42	-5659.91	1240.13	5794.15	5794.18	167.64	.86
16752.00	93.06	168.23	10987.37	-7817.37	-5752.77	1259.54	5889.01	5889.04	167.65	.08
16846.00	93.50	168.47	10981.99	-7811.99	-5844.68	1278.49	5982.84	5982.88	167.66	.53
16941.00	92.78	168.19	10976.79	-7806.79	-5937.58	1297.67	6077.69	6077.73	167.67	.81
17035.00	93.54	168.17	10971.61	-7801.61	-6029.45	1316.90	6171.54	6171.58	167.68	.81
17130.00	92.80	168.10	10966.35	-7796.35	-6122.27	1336.40	6266.39	6266.43	167.69	.78
17224.00	92.61	168.48	10961.92	-7791.92	-6214.21	1355.46	6360.27	6360.32	167.70	.45
17319.00	93.19	168.63	10957.11	-7787.11	-6307.21	1374.28	6455.13	6455.19	167.71	.63
17413.00	93.42	168.76	10951.69	-7781.69	-6399.23	1392.68	6548.95	6549.02	167.72	.28
17508.00	93.70	168.71	10945.79	-7775.79	-6492.22	1411.20	6643.75	6643.82	167.74	.30
17602.00	93.87	168.70	10939.59	-7769.59	-6584.20	1429.57	6737.52	6737.60	167.75	.18
17697.00	94.11	168.86	10932.98	-7762.98	-6677.15	1448.01	6832.26	6832.36	167.76	.30
Straight Line Projection to Bit										
17770.00	94.11	168.86	10927.75	-7757.75	-6748.59	1462.08	6905.05	6905.16	167.78	.00

ELEVATION RESOURCES LLC

Project: Andrews County, TX (NAI)
Site: University 1-26 Unit #5H
Well: #5H
Wellbore: Lateral 2 (ST1)
Design: Lateral 2 (ST1)



To convert a Magnetic Direction to a Grid Direction, Add 9.27°

ANNOTATIONS

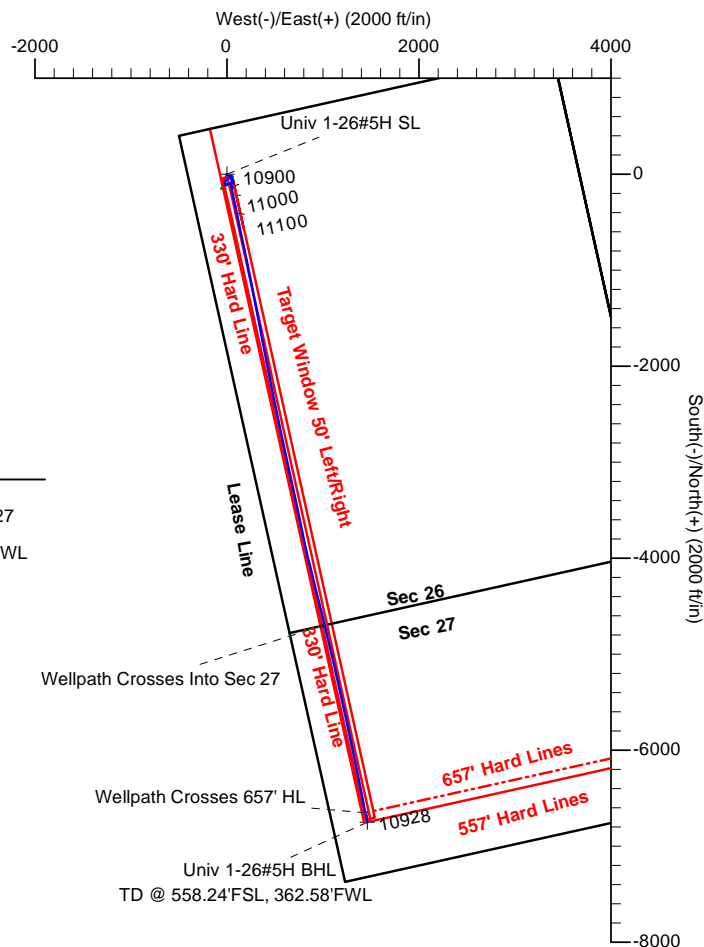
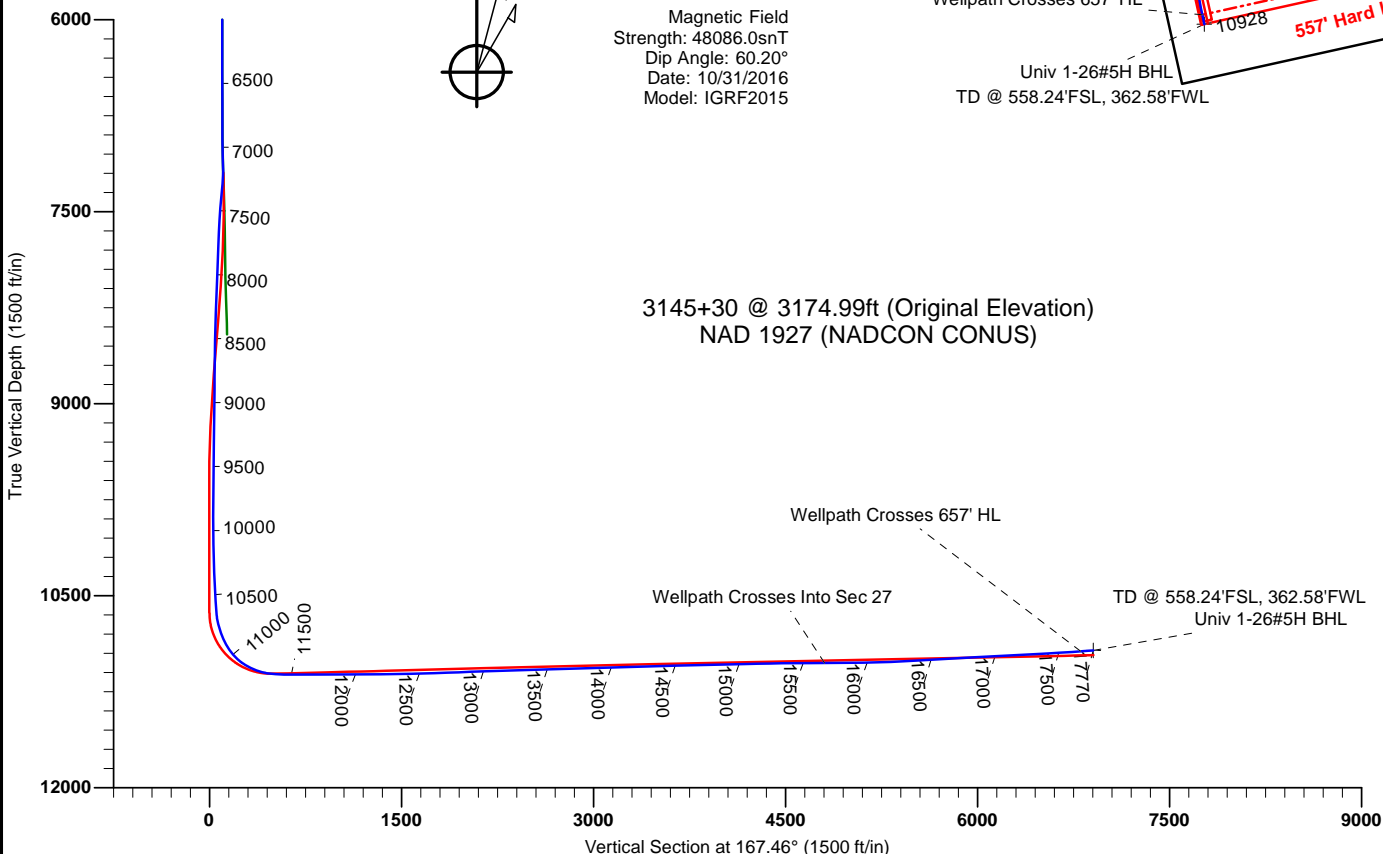
TVD	MD	+N/-S	+E/-W	Annotation
11027.70	15669.00	-4697.61	1019.85	Wellpath Crosses Into Sec 27
10934.81	17671.22	-6651.92	1443.04	Wellpath Crosses 657' HL
10927.75	17770.00	-6748.59	1462.09	TD @ 558.24'FSL, 362.58'FWL



Azimuths to Grid North
 True North: 2.74°
 Magnetic North: 9.27°

Magnetic Field
 Strength: 48086.0snT
 Dip Angle: 60.20°
 Date: 10/31/2016
 Model: IGRF2015

3145+30 @ 3174.99ft (Original Elevation)
 NAD 1927 (NADCON CONUS)



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Univ 1-26#5H SL	0.00	0.00	0.00	224479.83	444330.69	Point
Univ 1-26#5H BHL	10927.75	-6748.59	1462.09	217731.24	445792.78	Point

Design: Lateral 2 (ST1) (#5H/Lateral 2 (ST1))
 Created By: Mekka Williams
 eSomina Well Design
 mekka@esominawelldesign.com
 21:05, November 23 2016

VON DIRECTIONAL
 12074 FM 3083 Conroe, Texas 77301
 936-756-2400



SURVEY DATA CERTIFICATION



Job #: 160067
Client: Elevation Resources
County & State: Andrews County, TX
Well: University 1-26 #5H ST1
API No: 42-003-47118
Proposed Direction: 167.46

TIE-IN DATA

MD	TVD	INC	AZM	N/-S	E/-W	DATA SOURCE
7076	7072.69	6.92	245.14	-103.92	12.74	FloSurvey
Data Source Company:						NOV

SURVEY DATA

First Survey Date	First Survey Depth	INC	AZM
2-Nov-16	7,162 ft	7.79°	245.78°

Last Survey Date	Last Survey Depth	INC	AZM
22-Nov-16	17,697 ft	94.11°	168.86°

Survey Instrument Type

Evolution EM/MP MWD Tool

Projected TD Survey Date	Projected TD Survey Depth	INC	AZM
22-Nov-16	17,770 ft	94.11°	168.86°

CORRECTION INFORMATION

Magnetic Declination Used	6.53	degrees
Grid Convergence Used	-2.74	degrees
Total Correction	9.27	degrees

Corrected to True/Grid North

Grid North

TO THE BEST OF MY KNOWLEDGE, I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

Derek Richard

Signature

Derek Richard

Printed Name

November 22, 2016

Date