

**VES Bottom Hole Location is 6.881' @ 54.996° of Surface Location**

MD / FT	784.000	783.968	TVD / FT
North / FT	South / FT	East / FT	West / FT
3.947		5.636	



VES LEGEND	
	Surface Location Highlight
	Bottom Hole Location
	° of SL Direction Line
	North Indicator
	Bottom Hole Text Box

**VES Bottom Hole Location is 6.881' @ 54.996° of Surface Location**

I hereby certify that this plat is true and correct to the best of my belief and knowledge.  
Annette Raines  
ANNETTE RAINES

Well location is located 4.85 miles NW of the City of Big Lake Texas

Total Depth: 9000'(Elev 2721)  
Surface Location:  
2235' FSL & 2606' FWL of the University Land Survey.  
7865' FSL & 7946' FEL of the lease.  
Penetration Point & 1st Take Point:  
2535' FSL & 2306' FWL of the University Land Survey.  
7865' FSL & 8246' FEL of the lease  
Last Take Point & Bottom Hole Location:  
100' FNL & 2210' FWL of the University Land Survey.  
100' FNL & 4849' FWL of the lease.

Block 10, University Land Survey  
Reagan County, Texas

0 1,000 2,000 4,000 Feet



Devon Energy Production Company L.P.  
333 W Sheridan - Oklahoma City 73102

University 10-2704H  
7906.26 Acres in Lease  
Sections 27 Block 10  
University Land Survey  
Reagan County, Texas  
Field: Lin(Wolfcamp)

DATE: 2-7-2013  
by EM





Company: Devon Energy Production Co.  
Lease/Well: University 10/2704H

Rig Name: Spudder Rig  
State/County: Texas/Reagan  
Latitude: 31.235, Longitude: -101.526  
GRID North is 0.610 Degrees West of True North  
VS-Azi: 0.000 Degrees



Depth Reference : RKB = Ground Level

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ha gyro-de\_01.ut

Minimum Curvature Method

Report Date/Time: 9/23/2013 / 11:27

Vaughn Energy Services

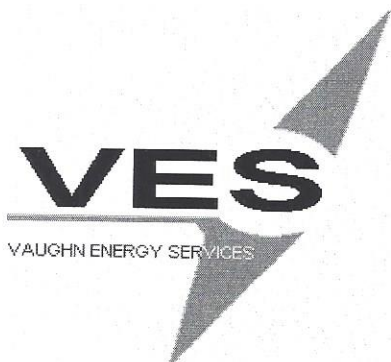
Gardendale, TX

432-563-5444

Surveyor: Charles Hines

University 10 2704H / API 42-383-33226

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
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	****
100.000	0.598	55.045	99.998	0.299	0.428	0.299	0.522	55.045	0.598
200.000	0.596	51.438	199.993	0.923	1.263	0.923	1.564	53.846	0.038
300.000	0.654	55.854	299.987	1.567	2.142	1.567	2.654	53.806	0.075
400.000	0.535	57.735	399.981	2.137	3.009	2.137	3.691	54.619	0.120
500.000	0.496	54.815	499.977	2.636	3.758	2.636	4.590	54.955	0.047
600.000	0.456	55.031	599.974	3.113	4.438	3.113	5.421	54.949	0.041
700.000	0.442	53.721	699.971	3.570	5.075	3.570	6.205	54.878	0.017
784.000	0.482	58.235	783.968	3.947	5.636	3.947	6.881	54.996	0.064

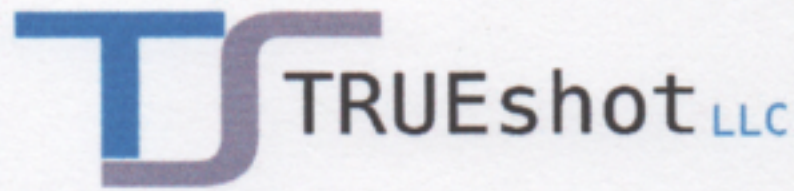


I CJ Hines certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 09/18/13 through 09/18/13 conduct or supervise the taking of a Rate Gyro survey from a depth of 0 feet to a depth of 784 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the at the request of Devon Energy for the University 10 Well # 2704 H API # 42-383-38226 in Reagan County / Parish Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Vaughn Energy Services

  
\_\_\_\_\_

CJ Hines  
Service Technician  
Vaughn Energy Services





PO Box 4482, Midland, TX 79704 | 972-505-0433

Railroad Commission of Texas  
Oil & Gas Division  
P.O. Box 12967  
Austin, TX 78711

Attn: Pam Johns

11/10/2016

Re: Devon Energy Production Co, L.P.  
Well: University 10 2704H  
Field: Lin (Wolfcamp)  
Rig: Savanna 635  
County: Reagan County, TX  
Permit: 756398  
API Well No: 42-383-38226

Enclosed please find the original of the surveys performed on the referenced well by True Shot, LLC. (P-5 No. 871488). Other information required by your office is as follows:

Name & Title Of Surveyor	Wellhole Number	Survey Depths	Dates Performed	Type Survey
Raymond Cardenas, Field Service Technician	Original Hole	953' - 2603'	11/6/2016 - 11/7/2016	MWD

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

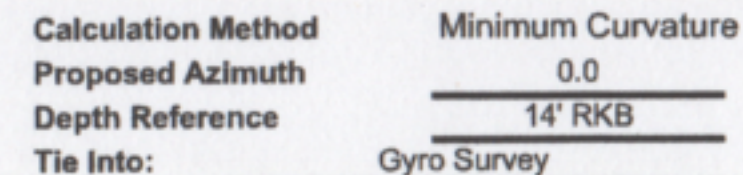
A handwritten signature in blue ink, appearing to read 'Dustin Trevino', is written over a horizontal line. The signature is stylized with a large loop and a long horizontal stroke.

11/10/2016

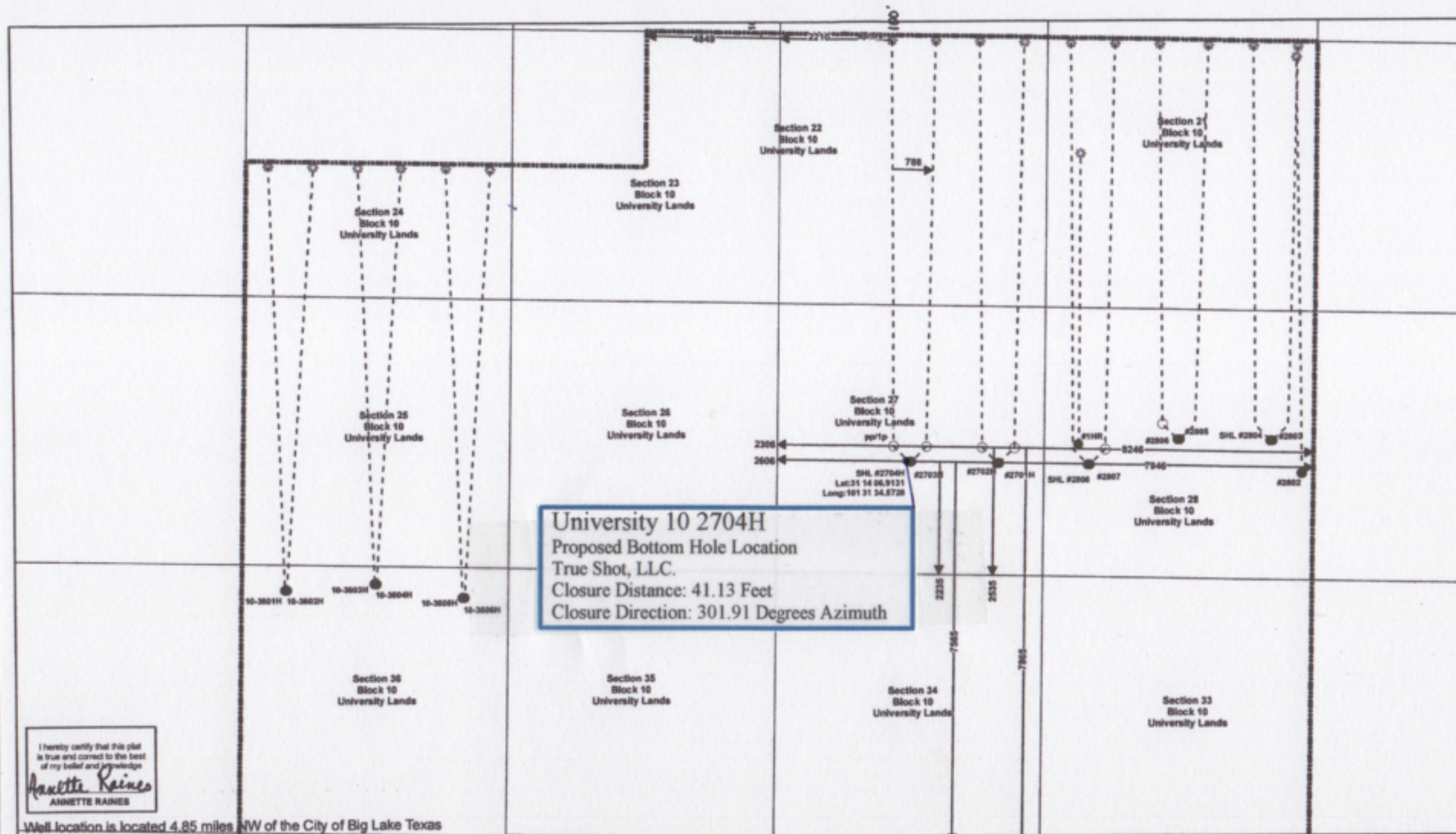
Dustin Trevino  
Vice President

Cc: Devon Energy Production Co, L.P.



[illegible]





Total Depth: 9000' (Elev 2721)  
Surface Location:  
2235' FSL & 2606' FWL of the University Land Survey.  
7565' FSL & 7946' FEL of the lease.  
Penetration Point & 1st Take Point:  
2535' FSL & 2306' FWL of the University Land Survey.  
7865' FSL & 8246' FEL of the lease  
Last Take Point & Bottom Hole Location:  
100' FNL & 2210' FWL of the University Land Survey.  
100' FNL & 4849' FWL of the lease.

# Block 10, University Land Survey Reagan County, Texas

0 1,000 2,000 4,000  
Feet

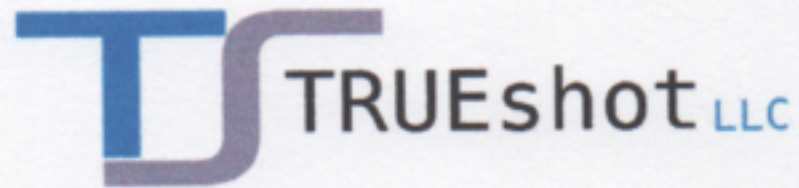


Devon Energy Production Company L.P.  
333 W Sheridan - Oklahoma City 73102

University 10-2704H  
7906.26 Acres in Lease  
Sections 27 Block 10  
University Land Survey  
Reagan County, Texas  
Field: Lin(Wolfcamp)

DATE: 2-7-2013  
by EM



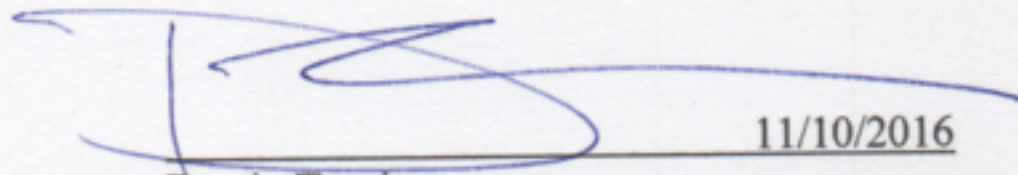


PO Box 4482, Midland, TX 79704 | 972-505-0433

## MWD Survey Certification

State of Texas  
County of Reagan

I, Dustin Trevino, certify that: I am employed by True Shot, LLC.; that I did on the day(s) of 11/6/2016 through 11/7/2016 conduct or supervise the taking of MWD surveys from a depth of 953 feet to a depth of 2603 feet, that the data is true, correct, complete and within the limitations of the tool as set forth by True Shot, LLC; that I am authorized and qualified to make this report; that these surveys were conducted at the request of Devon Energy Production Co, L.P. for the University 10 2704H (API No. 42-383-38226, Permit No. 756398), located in Reagan County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by True Shot, LLC.

  
Dustin Trevino  
Vice President

11/10/2016

Cc: Devon Energy Production Co, L.P.





# **Fleur De Lis Energy, LLC**

**Reagan CountyTx  
BLK 10, University Land Survey  
University 10 2704H**

**Wellbore #1**

**Survey: IDS MWD Surveys**

## **Standard Survey Report**

**08 February, 2017**





<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
<b>Project:</b>	Reagan CountyTx	<b>TVD Reference:</b>	KB=20' @ 2741.00ft (UNK)
<b>Site:</b>	BLK 10, University Land Survey	<b>MD Reference:</b>	KB=20' @ 2741.00ft (UNK)
<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Multi User Db

<b>Project</b>	Reagan CountyTx		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Texas Central Zone		

<b>Site</b>	BLK 10, University Land Survey		
<b>Site Position:</b>		<b>Northing:</b>	10,414,991.6846 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,923,765.0864 usft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	31° 14' 6.913 N
		<b>Longitude:</b>	101° 31' 34.573 W
		<b>Grid Convergence:</b>	-0.61 °

<b>Well</b>	University 10 2704H		
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b> 10,414,991.6846 usft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b> 1,923,765.0864 usft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	0.00 ft
		<b>Latitude:</b>	31° 14' 6.913 N
		<b>Longitude:</b>	101° 31' 34.573 W
		<b>Ground Level:</b>	2,721.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	10/19/2016	5.98	59.47	47,620

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	360.00	

<b>Survey Program</b>	<b>Date</b>	2/8/2017			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
2,617.00	7,271.00	IDS MWD Surveys (Wellbore #1)			

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
2,603.00	2.20	301.70	2,602.41	25.18	-25.89	25.18	0.00	0.00	0.00	
2,617.00	2.10	297.90	2,616.40	25.44	-26.35	25.44	1.24	-0.71	-27.14	
<b>First IDS MWD Survey</b>										
2,627.00	2.10	298.50	2,626.39	25.61	-26.67	25.61	0.22	0.00	6.00	
2,689.00	2.00	304.80	2,688.35	26.77	-28.55	26.77	0.40	-0.16	10.16	
2,753.00	1.90	309.10	2,752.32	28.08	-30.30	28.08	0.28	-0.16	6.72	
2,816.00	1.50	314.90	2,815.29	29.32	-31.69	29.32	0.69	-0.63	9.21	
2,880.00	1.10	320.60	2,879.27	30.39	-32.67	30.39	0.66	-0.63	8.91	
2,944.00	1.00	326.30	2,943.26	31.33	-33.37	31.33	0.23	-0.16	8.91	
3,007.00	0.90	326.60	3,006.25	32.20	-33.95	32.20	0.16	-0.16	0.48	
3,070.00	0.90	324.20	3,069.25	33.01	-34.51	33.01	0.06	0.00	-3.81	



<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
<b>Project:</b>	Reagan CountyTx	<b>TVD Reference:</b>	KB=20' @ 2741.00ft (UNK)
<b>Site:</b>	BLK 10, University Land Survey	<b>MD Reference:</b>	KB=20' @ 2741.00ft (UNK)
<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Multi User Db

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,198.00	0.80	330.10	3,197.23	34.60	-35.55	34.60	0.10	-0.08	4.61
3,322.00	0.90	331.00	3,321.22	36.20	-36.45	36.20	0.08	0.08	0.73
3,449.00	0.90	325.80	3,448.20	37.90	-37.49	37.90	0.06	0.00	-4.09
3,576.00	0.90	330.50	3,575.19	39.59	-38.55	39.59	0.06	0.00	3.70
3,703.00	0.90	332.00	3,702.17	41.34	-39.50	41.34	0.02	0.00	1.18
3,830.00	0.70	329.10	3,829.16	42.89	-40.37	42.89	0.16	-0.16	-2.28
3,956.00	0.40	328.20	3,955.15	43.92	-41.00	43.92	0.24	-0.24	-0.71
4,083.00	0.30	329.90	4,082.15	44.59	-41.40	44.59	0.08	-0.08	1.34
4,210.00	0.10	329.40	4,209.15	44.97	-41.62	44.97	0.16	-0.16	-0.39
4,337.00	0.00	115.50	4,336.15	45.07	-41.68	45.07	0.08	-0.08	0.00
4,464.00	0.10	121.60	4,463.15	45.01	-41.58	45.01	0.08	0.08	0.00
4,590.00	0.20	120.70	4,589.15	44.84	-41.30	44.84	0.08	0.08	-0.71
4,716.00	0.20	119.70	4,715.15	44.62	-40.92	44.62	0.00	0.00	-0.79
4,843.00	0.40	163.40	4,842.15	44.08	-40.60	44.08	0.23	0.16	34.41
4,970.00	0.70	152.00	4,969.14	42.97	-40.11	42.97	0.25	0.24	-8.98
5,097.00	0.70	148.60	5,096.13	41.63	-39.34	41.63	0.03	0.00	-2.68
5,224.00	1.00	138.30	5,223.12	40.14	-38.20	40.14	0.26	0.24	-8.11
5,350.00	0.70	135.60	5,349.10	38.76	-36.93	38.76	0.24	-0.24	-2.14
5,476.00	0.70	134.50	5,475.09	37.68	-35.84	37.68	0.01	0.00	-0.87
5,602.00	0.90	134.40	5,601.08	36.44	-34.59	36.44	0.16	0.16	-0.08
5,729.00	0.90	126.80	5,728.07	35.15	-33.08	35.15	0.09	0.00	-5.98
5,854.00	1.00	125.80	5,853.05	33.92	-31.41	33.92	0.08	0.08	-0.80
5,978.00	1.00	125.00	5,977.03	32.67	-29.64	32.67	0.01	0.00	-0.65
6,105.00	1.00	120.70	6,104.01	31.47	-27.78	31.47	0.06	0.00	-3.39
6,232.00	1.10	116.40	6,230.99	30.36	-25.74	30.36	0.10	0.08	-3.39
6,359.00	1.10	112.90	6,357.97	29.34	-23.52	29.34	0.05	0.00	-2.76
6,486.00	1.10	113.90	6,484.94	28.37	-21.28	28.37	0.02	0.00	0.79
6,558.00	1.10	115.10	6,556.93	27.80	-20.03	27.80	0.03	0.00	1.67
6,645.00	1.10	103.00	6,643.91	27.26	-18.46	27.26	0.27	0.00	-13.91
6,772.00	1.10	101.50	6,770.89	26.74	-16.07	26.74	0.02	0.00	-1.18
6,899.00	1.10	111.70	6,897.87	26.05	-13.75	26.05	0.15	0.00	8.03
7,026.00	1.10	106.90	7,024.84	25.24	-11.45	25.24	0.07	0.00	-3.78
7,153.00	1.10	101.50	7,151.82	24.65	-9.09	24.65	0.08	0.00	-4.25
7,216.00	1.10	106.70	7,214.81	24.35	-7.91	24.35	0.16	0.00	8.25
<b>Final IDS MWD Survey</b>									
7,271.00	1.10	106.70	7,269.80	24.05	-6.90	24.05	0.00	0.00	0.00
<b>Projection to TD</b>									

<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
<b>Project:</b>	Reagan CountyTx	<b>TVD Reference:</b>	KB=20' @ 2741.00ft (UNK)
<b>Site:</b>	BLK 10, University Land Survey	<b>MD Reference:</b>	KB=20' @ 2741.00ft (UNK)
<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Multi User Db

**Survey Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,617.00	2,616.40	25.44	-26.35	First IDS MWD Survey
7,216.00	7,214.81	24.35	-7.91	Final IDS MWD Survey
7,271.00	7,269.80	24.05	-6.90	Projection to TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_





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## Survey Certification Form

### STATE OF TEXAS

#### REAGAN COUNTY

I **Christina Myers**, certify that; I am employed **Integrity Directional Services**; that I did on the day(s) of **05/11/2017** through **05/27/2017** conduct or supervise the taking of MWD surveys from a depth of **2603** feet to a depth of **7216** feet & Project to **TD7271** feet. The data is true, correct, complete, and within the limitations of the tool set forth by Integrity Directional Services. I am authorized and qualified to make this report, and that this report was conducted at the request of **FDL Operating, LLC.** , for the **University 10 #2704H Pilot Hole** , API # **42-383-38226** drilled in **Reagan** County, Texas. I have reviewed this report and find that it conforms to the principles and procedures as set forth by Integrity Directional Services.

*Christina Myers*

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Christina Myers  
Well Planner



# **Fleur De Lis Energy, LLC**

**Reagan CountyTx  
Sec 22 & 27, BLK 10, U.L.S  
University 10 2704H**

**Wellbore #1**

**Survey: IDS MWD Surveys**

## **Survey Report - Geographic**

**08 January, 2018**



# Survey Report - Geographic

<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
<b>Project:</b>	Reagan CountyTx	<b>TVD Reference:</b>	KB=25' @ 2748.00ft
<b>Site:</b>	Sec 22 & 27, BLK 10, U.L.S	<b>MD Reference:</b>	KB=25' @ 2748.00ft
<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1

<b>Project</b>	Reagan CountyTx		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Texas Central Zone		

Site	Sec 22 & 27, BLK 10, U.L.S				
Site Position:		Northing:	10,414,955.9140 usft	Latitude:	31.235207
From:	Lat/Long	Easting:	1,925,522.8406 usft	Longitude:	-101.520645
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.61 °

Well	University 10 2704H					
Well Position	+N/-S	0.00 ft	Northing:	10,414,990.8143 usft	Latitude:	31.235251
	+E/-W	0.00 ft	Easting:	1,923,765.1466 usft	Longitude:	-101.526270
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	2,723.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	10/19/2016	5.98	59.47	47,620

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	0.00	

<b>Survey Program</b>	<b>Date</b>	1/8/2018			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
100.00	2,603.00	VES Gyros (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
2,603.00	7,216.00	IDS MWD Surveys (Wellbore #1)	MWD	MWD - Standard	
7,513.00	10,195.00	VES GYROS #2 (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
2,603.00	2.20	131.00	2,602.39	18.34	-29.00	10,415,009.1531	1,923,736.1435	31.235301	-101.526364	
2,617.00	0.39	267.49	2,616.39	18.16	-28.85	10,415,008.9748	1,923,736.2994	31.235300	-101.526363	
First IDS MWD Survey										
2,627.00	2.10	298.50	2,626.38	18.25	-29.04	10,415,009.0607	1,923,736.1048	31.235301	-101.526364	
2,689.00	2.00	304.80	2,688.34	19.41	-30.93	10,415,010.2203	1,923,734.2181	31.235304	-101.526370	
2,753.00	1.90	309.10	2,752.31	20.71	-32.67	10,415,011.5269	1,923,732.4778	31.235307	-101.526375	
2,816.00	1.50	314.90	2,815.28	21.95	-34.06	10,415,012.7677	1,923,731.0833	31.235311	-101.526380	
2,880.00	1.10	320.60	2,879.26	23.02	-35.05	10,415,013.8337	1,923,730.1001	31.235314	-101.526383	
2,944.00	1.00	326.30	2,943.25	23.96	-35.75	10,415,014.7731	1,923,729.4003	31.235316	-101.526385	
3,007.00	0.90	326.60	3,006.24	24.83	-36.32	10,415,015.6435	1,923,728.8230	31.235318	-101.526387	



# Survey Report - Geographic

<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
<b>Project:</b>	Reagan CountyTx	<b>TVD Reference:</b>	KB=25' @ 2748.00ft
<b>Site:</b>	Sec 22 & 27, BLK 10, U.L.S	<b>MD Reference:</b>	KB=25' @ 2748.00ft
<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,070.00	0.90	324.20	3,069.23	25.64	-36.89	10,415,016.4579	1,923,728.2612	31.235321	-101.526389
3,198.00	0.80	330.10	3,197.22	27.23	-37.92	10,415,018.0479	1,923,727.2278	31.235325	-101.526393
3,322.00	0.90	331.00	3,321.21	28.84	-38.82	10,415,019.6502	1,923,726.3242	31.235329	-101.526395
3,449.00	0.90	325.80	3,448.19	30.53	-39.87	10,415,021.3475	1,923,725.2801	31.235334	-101.526399
3,576.00	0.90	330.50	3,575.18	32.23	-40.92	10,415,023.0406	1,923,724.2284	31.235339	-101.526402
3,703.00	0.90	332.00	3,702.16	33.98	-41.88	10,415,024.7894	1,923,723.2691	31.235343	-101.526405
3,830.00	0.70	329.10	3,829.15	35.52	-42.74	10,415,026.3358	1,923,722.4026	31.235348	-101.526408
3,956.00	0.40	328.20	3,955.14	36.56	-43.37	10,415,027.3701	1,923,721.7756	31.235351	-101.526410
4,083.00	0.30	329.90	4,082.14	37.22	-43.77	10,415,028.0345	1,923,721.3753	31.235352	-101.526412
4,210.00	0.10	329.40	4,209.14	37.60	-43.99	10,415,028.4176	1,923,721.1521	31.235353	-101.526412
4,337.00	0.00	115.50	4,336.14	37.70	-44.05	10,415,028.5130	1,923,721.0957	31.235354	-101.526412
4,464.00	0.10	121.60	4,463.14	37.64	-43.96	10,415,028.4549	1,923,721.1901	31.235353	-101.526412
4,590.00	0.20	120.70	4,589.14	37.47	-43.67	10,415,028.2850	1,923,721.4728	31.235353	-101.526411
4,716.00	0.20	119.70	4,715.14	37.25	-43.29	10,415,028.0637	1,923,721.8529	31.235352	-101.526410
4,843.00	0.40	163.40	4,842.14	36.71	-42.97	10,415,027.5291	1,923,722.1721	31.235351	-101.526409
4,970.00	0.70	152.00	4,969.13	35.60	-42.48	10,415,026.4192	1,923,722.6629	31.235348	-101.526407
5,097.00	0.70	148.60	5,096.12	34.26	-41.72	10,415,025.0721	1,923,723.4312	31.235344	-101.526405
5,224.00	1.00	138.30	5,223.11	32.77	-40.57	10,415,023.5824	1,923,724.5726	31.235340	-101.526401
5,350.00	0.70	135.60	5,349.09	31.40	-39.30	10,415,022.2115	1,923,725.8424	31.235336	-101.526397
5,476.00	0.70	134.50	5,475.08	30.31	-38.22	10,415,021.1220	1,923,726.9299	31.235334	-101.526394
5,602.00	0.90	134.40	5,601.07	29.08	-36.96	10,415,019.8902	1,923,728.1858	31.235330	-101.526390
5,729.00	0.90	126.80	5,728.05	27.78	-35.45	10,415,018.5948	1,923,729.6970	31.235327	-101.526385
5,854.00	1.00	125.80	5,853.04	26.55	-33.78	10,415,017.3685	1,923,731.3677	31.235323	-101.526379
5,978.00	1.00	125.00	5,977.02	25.30	-32.02	10,415,016.1149	1,923,733.1316	31.235320	-101.526374
6,105.00	1.00	120.70	6,104.00	24.10	-30.15	10,415,014.9133	1,923,734.9923	31.235317	-101.526368
6,232.00	1.10	116.40	6,230.98	22.99	-28.11	10,415,013.8054	1,923,737.0370	31.235314	-101.526361
6,359.00	1.10	112.90	6,357.95	21.97	-25.89	10,415,012.7889	1,923,739.2518	31.235311	-101.526354
6,486.00	1.10	113.90	6,484.93	21.01	-23.66	10,415,011.8206	1,923,741.4893	31.235308	-101.526347
6,558.00	1.10	115.10	6,556.92	20.43	-22.40	10,415,011.2473	1,923,742.7469	31.235307	-101.526343
6,645.00	1.10	103.00	6,643.90	19.89	-20.83	10,415,010.7051	1,923,744.3168	31.235305	-101.526338
6,772.00	1.10	101.50	6,770.88	19.37	-18.45	10,415,010.1878	1,923,746.6991	31.235304	-101.526330
6,899.00	1.10	111.70	6,897.86	18.68	-16.12	10,415,009.4939	1,923,749.0263	31.235302	-101.526322
7,026.00	1.10	106.90	7,024.83	17.87	-13.82	10,415,008.6887	1,923,751.3253	31.235300	-101.526315
7,153.00	1.10	101.50	7,151.81	17.28	-11.46	10,415,008.0911	1,923,753.6862	31.235298	-101.526308
7,216.00	1.10	106.70	7,214.80	16.98	-10.29	10,415,007.7967	1,923,754.8580	31.235298	-101.526304
Final IDS MWD Survey									
7,271.00	1.10	106.70	7,269.79	16.68	-9.28	10,415,007.4933	1,923,755.8693	31.235297	-101.526301
Projection to TD									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,617.00	2,616.39	18.16	-28.85	First IDS MWD Survey
7,216.00	7,214.80	16.98	-10.29	Final IDS MWD Survey
7,271.00				Projection to TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_







# Survey Report

**Service Company:** Integrity Directional

**Location:** Big Lake

**Well:** University 10 2704H

**Rig:** Trinidad 101

**API or UWI:** 42-383-38226

**Job Number:** DRL-00125-54

**State:** Texas

**Operating Company:** Fleur DeLis Energy LLC

**County:** Reagan Co

**Magnetic Declination:** 0.00

**Country:** USA

**Proposed Azimuth:** 3.64

**Comment**

**North Reference:** GRID

**Latitude:** 31.235251

**Longitude:** -101.52627

## Tie-In Data

MD	Inclination	Azimuth	TVD	NS	EW
6645.00	1.10	103.00	6643.90	19.89	-20.83

## Survey Data

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
6755.00	3.30	92.70	6753.81	19.50	-16.64	319.53	25.64	18.41	2.02
6845.00	5.60	87.10	6843.54	19.60	-9.66	333.76	21.86	18.95	2.60
6937.00	5.00	85.50	6935.14	20.15	-1.18	356.64	20.18	20.03	0.67
7030.00	4.30	89.40	7027.84	20.50	6.34	17.19	21.46	20.86	0.83
7122.00	4.00	85.70	7119.59	20.78	12.99	32.02	24.50	21.56	0.44
7213.00	6.10	89.50	7210.24	21.06	20.99	44.91	29.73	22.35	2.34
7304.00	10.90	81.20	7300.21	22.42	34.34	56.86	41.01	24.55	5.43
7334.00	14.10	77.00	7329.50	23.67	40.70	59.82	47.09	26.21	11.08
7364.00	16.90	77.70	7358.41	25.42	48.53	62.35	54.78	28.45	9.35
7395.00	19.30	77.10	7387.87	27.53	57.92	64.58	64.13	31.15	7.77
7425.00	21.70	68.70	7415.97	30.65	67.93	65.71	74.52	34.90	12.64
7455.00	23.60	60.90	7443.66	35.59	78.34	65.57	86.05	40.49	11.83
7487.00	26.00	53.10	7472.72	42.92	89.56	64.40	99.31	48.52	12.67
7517.00	27.20	45.50	7499.55	51.67	99.71	62.60	112.30	57.90	12.02
7547.00	28.40	37.60	7526.10	62.14	108.95	60.30	125.43	68.93	12.91
7579.00	30.10	31.50	7554.02	75.01	117.79	57.51	139.65	82.34	10.72



MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
7609.00	31.30	29.70	7579.82	88.19	125.58	54.92	153.46	95.99	5.04
7639.00	33.30	29.60	7605.17	102.13	133.51	52.59	168.09	110.40	6.67
7669.00	36.00	29.40	7629.85	116.97	141.91	50.50	183.90	125.74	9.01
7699.00	39.00	28.10	7653.65	132.98	150.69	48.57	200.98	142.28	10.34
7729.00	42.00	26.50	7676.46	150.30	159.62	46.72	219.24	160.13	10.58
7759.00	44.90	24.60	7698.24	168.91	168.50	44.93	238.59	179.27	10.60
7789.00	47.80	23.70	7718.94	188.72	177.38	43.23	258.99	199.60	9.91
7819.00	50.50	21.90	7738.56	209.64	186.17	41.61	280.37	221.03	10.08
7849.00	54.00	20.30	7756.93	231.76	194.70	40.03	302.69	243.66	12.40
7879.00	57.00	20.10	7773.92	254.96	203.23	38.56	326.05	267.35	10.02
7909.00	59.30	18.70	7789.75	279.00	211.69	37.19	350.22	291.88	8.63
7939.00	62.50	15.70	7804.34	304.04	219.43	35.82	374.95	317.35	13.79
7971.00	65.80	14.80	7818.29	331.82	227.00	34.38	402.03	345.56	10.62
8001.00	69.20	14.80	7829.77	358.61	234.08	33.13	428.25	372.75	11.33
8032.00	72.30	12.80	7839.99	387.03	241.05	31.92	455.96	401.55	11.71
8062.00	75.20	10.10	7848.39	415.25	246.77	30.72	483.04	430.08	12.96
8092.00	77.90	7.30	7855.36	444.09	251.17	29.49	510.20	459.14	12.78
8121.00	81.60	6.00	7860.52	472.43	254.48	28.31	536.61	487.63	13.50
8151.00	85.50	5.30	7863.89	502.09	257.41	27.14	564.23	517.42	13.21
8181.00	89.30	3.70	7865.25	531.96	259.76	26.03	591.99	547.38	13.74
8210.00	90.70	0.60	7865.25	560.93	260.85	24.94	618.62	576.36	11.73
8300.00	90.20	359.30	7864.55	650.93	260.77	21.83	701.22	666.17	1.55
8389.00	90.50	358.20	7864.00	739.90	258.83	19.28	783.87	754.84	1.28
8478.00	90.70	357.80	7863.07	828.84	255.72	17.15	867.40	843.41	0.50
8600.00	89.80	359.90	7862.54	950.81	253.27	14.92	983.96	964.97	1.87
8693.00	90.50	359.00	7862.30	1043.80	252.38	13.59	1073.88	1057.72	1.23
8785.00	88.30	358.10	7863.26	1135.76	250.05	12.42	1162.96	1149.35	2.58
8875.00	89.60	1.80	7864.91	1225.73	249.98	11.53	1250.96	1239.13	4.36
8967.00	89.00	4.10	7866.03	1317.59	254.71	10.94	1341.99	1331.11	2.58
9058.00	89.90	5.00	7866.91	1408.30	261.93	10.54	1432.45	1422.09	1.40
9150.00	88.00	3.70	7868.59	1500.01	268.91	10.16	1523.93	1514.06	2.50
9240.00	88.20	3.30	7871.58	1589.80	274.40	9.79	1613.30	1604.01	0.50
9332.00	88.60	3.30	7874.15	1681.61	279.69	9.44	1704.71	1695.97	0.43
9424.00	88.90	2.30	7876.15	1773.48	284.18	9.10	1796.10	1787.94	1.13
9514.00	88.70	0.90	7878.04	1863.42	286.70	8.75	1885.34	1877.86	1.57
9604.00	89.50	2.60	7879.45	1953.36	289.44	8.43	1974.69	1967.80	2.09
9695.00	89.20	3.60	7880.48	2044.22	294.36	8.19	2065.31	2058.79	1.15

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
9785.00	87.70	2.30	7882.92	2134.06	298.99	7.98	2154.91	2148.74	2.21
9875.00	88.50	2.70	7885.90	2223.93	302.92	7.76	2244.46	2238.67	0.99
9965.00	88.10	2.20	7888.57	2313.81	306.76	7.55	2334.05	2328.61	0.71
10055.00	87.10	0.00	7892.34	2403.70	308.49	7.31	2423.42	2418.44	2.68
10144.00	87.50	359.30	7896.53	2492.60	307.95	7.04	2511.55	2507.13	0.91
10233.00	87.80	359.50	7900.18	2581.52	307.02	6.78	2599.72	2595.81	0.41
10323.00	88.50	359.90	7903.09	2671.47	306.55	6.55	2689.00	2685.55	0.90
10415.00	88.50	357.40	7905.50	2763.41	304.38	6.29	2780.12	2777.16	2.72
10508.00	89.10	1.50	7907.45	2856.36	303.49	6.06	2872.44	2869.87	4.45
10600.00	88.00	2.30	7909.77	2948.28	306.54	5.94	2964.18	2961.80	1.48
10691.00	88.00	2.80	7912.95	3039.14	310.58	5.84	3054.97	3052.72	0.55
10781.00	87.70	1.50	7916.33	3129.01	313.96	5.73	3144.72	3142.63	1.48
10873.00	90.60	3.60	7917.69	3220.89	318.05	5.64	3236.56	3234.59	3.89
10966.00	90.70	2.80	7916.64	3313.74	323.24	5.57	3329.47	3327.58	0.87
11058.00	88.90	2.30	7916.96	3405.64	327.33	5.49	3421.34	3419.56	2.03
11151.00	89.10	1.80	7918.58	3498.57	330.66	5.40	3514.16	3512.51	0.58
11243.00	88.70	360.00	7920.35	3590.54	332.10	5.28	3605.86	3604.38	2.00
11334.00	89.00	2.50	7922.17	3681.49	334.09	5.19	3696.62	3695.27	2.77
11424.00	89.60	2.90	7923.27	3771.38	338.33	5.13	3786.53	3785.26	0.80
11515.00	88.40	358.80	7924.86	3862.34	339.68	5.03	3877.25	3876.11	4.69
11605.00	88.90	3.40	7926.98	3952.27	341.41	4.94	3966.99	3965.97	5.14
11694.00	89.30	2.40	7928.38	4041.15	345.91	4.89	4055.92	4054.95	1.21
11783.00	88.00	2.20	7930.48	4130.05	349.48	4.84	4144.81	4143.90	1.48
11875.00	90.00	6.10	7932.08	4221.77	356.13	4.82	4236.76	4235.86	4.76
11966.00	90.20	3.90	7931.92	4312.42	364.06	4.83	4327.76	4326.83	2.43
12057.00	91.70	2.70	7930.42	4403.25	369.30	4.79	4418.71	4417.81	2.11
12148.00	90.10	1.40	7928.99	4494.18	372.56	4.74	4509.59	4508.76	2.27
12239.00	90.60	1.10	7928.43	4585.15	374.54	4.67	4600.42	4599.68	0.64
12331.00	89.90	0.90	7928.03	4677.14	376.15	4.60	4692.24	4691.58	0.79
12421.00	88.50	0.80	7929.29	4767.12	377.48	4.53	4782.04	4781.46	1.56
12511.00	88.50	1.10	7931.64	4857.07	378.97	4.46	4871.84	4871.33	0.33
12602.00	89.90	2.20	7932.91	4948.02	381.59	4.41	4962.72	4962.27	1.96
12692.00	91.40	3.60	7931.89	5037.90	386.15	4.38	5052.67	5052.25	2.28
12781.00	87.60	2.10	7932.67	5126.76	390.57	4.36	5141.62	5141.22	4.59
12872.00	88.40	1.80	7935.84	5217.66	393.67	4.31	5232.49	5232.12	0.94
12961.00	90.00	2.00	7937.09	5306.60	396.62	4.27	5321.40	5321.07	1.81
13052.00	90.80	2.30	7936.45	5397.53	400.03	4.24	5412.33	5412.04	0.94



MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
13144.00	90.30	2.00	7935.57	5489.46	403.48	4.20	5504.27	5504.00	0.63
13235.00	90.70	1.10	7934.77	5580.42	405.94	4.16	5595.17	5594.94	1.08
13327.00	90.70	0.20	7933.65	5672.41	406.99	4.10	5686.99	5686.80	0.98
13417.00	90.70	359.80	7932.55	5762.40	406.99	4.04	5776.75	5776.61	0.44
13507.00	90.70	0.20	7931.45	5852.39	406.99	3.98	5866.53	5866.43	0.44
13596.00	90.70	2.20	7930.36	5941.36	408.85	3.94	5955.41	5955.33	2.25
13687.00	91.40	1.50	7928.70	6032.30	411.79	3.91	6046.34	6046.27	1.09
13777.00	90.70	2.90	7927.05	6122.21	415.24	3.88	6136.28	6136.23	1.74
13867.00	91.10	3.50	7925.63	6212.06	420.26	3.87	6226.26	6226.21	0.80
13957.00	90.50	3.40	7924.38	6301.89	425.68	3.86	6316.25	6316.20	0.68
14047.00	91.60	4.60	7922.73	6391.65	431.96	3.87	6406.23	6406.18	1.81
14137.00	90.50	2.60	7921.08	6481.45	437.61	3.86	6496.21	6496.16	2.54
14228.00	89.10	2.90	7921.40	6572.35	441.97	3.85	6587.19	6587.15	1.57
14320.00	89.30	2.90	7922.68	6664.22	446.63	3.83	6679.17	6679.13	0.22
14409.00	89.40	1.50	7923.69	6753.15	450.04	3.81	6768.13	6768.09	1.58
14500.00	89.70	2.00	7924.40	6844.10	452.82	3.79	6859.06	6859.04	0.64
14591.00	90.60	2.20	7924.17	6935.04	456.16	3.76	6950.02	6950.01	1.01
14682.00	90.40	1.90	7923.37	7025.98	459.41	3.74	7040.98	7040.97	0.40
14771.00	89.90	0.80	7923.14	7114.95	461.51	3.71	7129.90	7129.90	1.36
14861.00	90.00	0.20	7923.22	7204.95	462.29	3.67	7219.76	7219.76	0.68
14950.00	90.70	1.80	7922.67	7293.93	463.85	3.64	7308.66	7308.66	1.96
15040.00	91.10	1.00	7921.26	7383.89	466.05	3.61	7398.58	7398.58	0.99
15130.00	90.00	2.90	7920.40	7473.83	469.11	3.59	7488.53	7488.53	2.44
15222.00	91.10	4.80	7919.51	7565.61	475.28	3.59	7580.52	7580.52	2.39
15312.00	91.60	4.00	7917.39	7655.32	482.19	3.60	7670.49	7670.49	1.05
15403.00	90.90	3.30	7915.41	7746.11	487.98	3.60	7761.47	7761.46	1.09
15495.00	92.20	3.60	7912.92	7837.91	493.51	3.60	7853.43	7853.43	1.45
15587.00	89.00	3.60	7911.96	7929.71	499.29	3.60	7945.41	7945.41	3.48
15678.00	88.70	3.40	7913.78	8020.52	504.84	3.60	8036.39	8036.39	0.40
15768.00	90.40	4.00	7914.49	8110.33	510.65	3.60	8126.39	8126.39	2.00
15857.00	91.50	5.40	7913.01	8199.01	517.94	3.61	8215.36	8215.35	2.00
15929.00	92.20	4.90	7910.69	8270.68	524.40	3.63	8287.29	8287.29	1.19



## **Fleur De Lis Energy, LLC**

Reagan CountyTx  
Sec 22 & 27, BLK 10, U.L.S  
University 10 2704H

**Wellbore #2**

**Survey: Survey #1**

## **Survey Report - Geographic**

**18 May, 2017**





<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
<b>Project:</b>	Reagan CountyTx	<b>TVD Reference:</b>	KB=25' @ 2748.00ft
<b>Site:</b>	Sec 22 & 27, BLK 10, U.L.S	<b>MD Reference:</b>	KB=25' @ 2748.00ft
<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #2	<b>Database:</b>	EDM 5000.1 Multi User Db

<b>Project</b>	Reagan CountyTx		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Texas Central Zone		

Site	Sec 22 & 27, BLK 10, U.L.S				
Site Position:		Northing:	10,414,991.6846 usft	Latitude:	31° 14' 6.913 N
From:	Lat/Long	Easting:	1,923,765.0864 usft	Longitude:	101° 31' 34.573 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.61 °

Well	University 10 2704H					
Well Position	+N/-S	0.00 ft	Northing:	10,414,990.8289 usft	Latitude:	31° 14' 6.905 N
	+E/-W	0.00 ft	Easting:	1,923,765.1467 usft	Longitude:	101° 31' 34.572 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	2,723.00 ft

<b>Wellbore</b>	Wellbore #2				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	3/15/2017	5.94	59.46	47,579

<b>Design</b>	Wellbore #2				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	6,645.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	3.64	

<b>Survey Program</b>	<b>Date</b>	5/18/2017			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
100.00	2,603.00	VES Gyros (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
2,603.00	6,645.00	IDS MWD Surveys (Wellbore #1)	MWD	MWD - Standard	
6,645.00	15,972.00	Survey #1 (Wellbore #2)	MWD	MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
6,645.00	1.10	103.00	6,643.90	19.89	-20.83	10,415,010.7189	1,923,744.3168	31° 14' 7.099 N	101° 31' 34.814 W	
Tie-On Svy 6645 MD/6643.9 TVD										
6,755.00	3.30	92.70	6,753.81	19.50	-16.64	10,415,010.3322	1,923,748.5086	31° 14' 7.096 N	101° 31' 34.766 W	
6,845.00	5.60	87.10	6,843.54	19.60	-9.66	10,415,010.4324	1,923,755.4826	31° 14' 7.098 N	101° 31' 34.686 W	
6,937.00	5.00	85.50	6,935.14	20.15	-1.18	10,415,010.9740	1,923,763.9626	31° 14' 7.104 N	101° 31' 34.588 W	
7,030.00	4.30	89.40	7,027.84	20.50	6.34	10,415,011.3285	1,923,771.4892	31° 14' 7.108 N	101° 31' 34.501 W	
7,122.00	4.00	85.70	7,119.59	20.78	12.99	10,415,011.6052	1,923,778.1379	31° 14' 7.112 N	101° 31' 34.425 W	
7,213.00	6.10	89.50	7,210.24	21.06	20.99	10,415,011.8854	1,923,786.1386	31° 14' 7.115 N	101° 31' 34.333 W	
7,304.00	10.90	81.20	7,300.21	22.42	34.34	10,415,013.2447	1,923,799.4842	31° 14' 7.130 N	101° 31' 34.179 W	
7,334.00	14.10	77.00	7,329.50	23.67	40.70	10,415,014.5010	1,923,805.8496	31° 14' 7.143 N	101° 31' 34.106 W	

<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
<b>Project:</b>	Reagan CountyTx	<b>TVD Reference:</b>	KB=25' @ 2748.00ft
<b>Site:</b>	Sec 22 & 27, BLK 10, U.L.S	<b>MD Reference:</b>	KB=25' @ 2748.00ft
<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #2	<b>Database:</b>	EDM 5000.1 Multi User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,364.00	16.90	77.70	7,358.41	25.42	48.53	10,415,016.2523	1,923,813.6722	31° 14' 7.161 N	101° 31' 34.016 W
7,395.00	19.30	77.10	7,387.87	27.53	57.92	10,415,018.3562	1,923,823.0696	31° 14' 7.183 N	101° 31' 33.908 W
7,425.00	21.70	68.70	7,415.97	30.65	67.93	10,415,021.4788	1,923,833.0732	31° 14' 7.215 N	101° 31' 33.793 W
7,455.00	23.60	60.90	7,443.66	35.59	78.34	10,415,026.4156	1,923,843.4911	31° 14' 7.265 N	101° 31' 33.674 W
7,487.00	26.00	53.10	7,472.72	42.92	89.56	10,415,033.7452	1,923,854.7017	31° 14' 7.339 N	101° 31' 33.546 W
7,517.00	27.20	45.50	7,499.55	51.67	99.71	10,415,042.5020	1,923,864.8538	31° 14' 7.427 N	101° 31' 33.430 W
7,547.00	28.40	37.60	7,526.10	62.14	108.95	10,415,052.9642	1,923,874.1007	31° 14' 7.531 N	101° 31' 33.325 W
7,579.00	30.10	31.50	7,554.02	75.01	117.79	10,415,065.8390	1,923,882.9391	31° 14' 7.659 N	101° 31' 33.224 W
7,609.00	31.30	29.70	7,579.82	88.19	125.58	10,415,079.0230	1,923,890.7311	31° 14' 7.791 N	101° 31' 33.136 W
7,639.00	33.30	29.60	7,605.17	102.13	133.51	10,415,092.9540	1,923,898.6607	31° 14' 7.929 N	101° 31' 33.047 W
7,669.00	36.00	29.40	7,629.85	116.97	141.91	10,415,107.7986	1,923,907.0582	31° 14' 8.077 N	101° 31' 32.952 W
7,699.00	39.00	28.10	7,653.65	132.98	150.69	10,415,123.8109	1,923,915.8348	31° 14' 8.237 N	101° 31' 32.853 W
7,729.00	42.00	26.50	7,676.46	150.30	159.62	10,415,141.1248	1,923,924.7618	31° 14' 8.409 N	101° 31' 32.752 W
7,759.00	44.90	24.60	7,698.24	168.91	168.50	10,415,159.7390	1,923,933.6501	31° 14' 8.594 N	101° 31' 32.652 W
7,789.00	47.80	23.70	7,718.94	188.72	177.38	10,415,179.5454	1,923,942.5262	31° 14' 8.791 N	101° 31' 32.552 W
7,819.00	50.50	21.90	7,738.57	209.64	186.17	10,415,200.4643	1,923,951.3118	31° 14' 8.999 N	101° 31' 32.454 W
7,849.00	54.00	20.30	7,756.93	231.76	194.70	10,415,222.5926	1,923,959.8420	31° 14' 9.219 N	101° 31' 32.358 W
7,879.00	57.00	20.10	7,773.92	254.96	203.23	10,415,245.7933	1,923,968.3774	31° 14' 9.450 N	101° 31' 32.263 W
7,909.00	59.30	18.70	7,789.75	279.00	211.69	10,415,269.8281	1,923,976.8372	31° 14' 9.688 N	101° 31' 32.168 W
7,939.00	62.50	15.70	7,804.34	304.04	219.43	10,415,294.8646	1,923,984.5762	31° 14' 9.937 N	101° 31' 32.082 W
7,957.87	64.45	15.16	7,812.77	320.31	223.92	10,415,311.1388	1,923,989.0678	31° 14' 10.099 N	101° 31' 32.032 W
<b>Uni 10 2704H PP</b>									
7,971.00	65.80	14.80	7,818.29	331.82	227.00	10,415,322.6451	1,923,992.1467	31° 14' 10.213 N	101° 31' 31.998 W
8,001.00	69.20	14.80	7,829.77	358.61	234.08	10,415,349.4380	1,923,999.2257	31° 14' 10.479 N	101° 31' 31.920 W
8,032.00	72.30	12.80	7,839.99	387.03	241.05	10,415,377.8558	1,924,006.2008	31° 14' 10.761 N	101° 31' 31.843 W
8,062.00	75.20	10.10	7,848.39	415.25	246.77	10,415,406.0790	1,924,011.9121	31° 14' 11.041 N	101° 31' 31.781 W
8,092.00	77.90	7.30	7,855.36	444.09	251.17	10,415,434.9152	1,924,016.3206	31° 14' 11.326 N	101° 31' 31.734 W
8,121.00	81.60	6.00	7,860.52	472.43	254.48	10,415,463.2550	1,924,019.6228	31° 14' 11.607 N	101° 31' 31.699 W
8,151.00	85.50	5.30	7,863.89	502.09	257.41	10,415,492.9144	1,924,022.5564	31° 14' 11.901 N	101° 31' 31.669 W
8,181.00	89.30	3.70	7,865.25	531.96	259.76	10,415,522.7846	1,924,024.9066	31° 14' 12.197 N	101° 31' 31.646 W
8,210.00	90.70	0.60	7,865.25	560.93	260.85	10,415,551.7599	1,924,025.9944	31° 14' 12.484 N	101° 31' 31.637 W
8,300.00	90.20	359.30	7,864.55	650.93	260.77	10,415,641.7547	1,924,025.9158	31° 14' 13.375 N	101° 31' 31.649 W
8,389.00	90.50	358.20	7,864.00	739.90	258.83	10,415,730.7302	1,924,023.9744	31° 14' 14.255 N	101° 31' 31.682 W
8,478.00	90.70	357.80	7,863.07	828.84	255.72	10,415,819.6707	1,924,020.8685	31° 14' 15.135 N	101° 31' 31.729 W
8,600.00	89.80	359.90	7,862.54	950.81	253.27	10,415,941.6367	1,924,018.4202	31° 14' 16.342 N	101° 31' 31.772 W
8,693.00	90.50	359.00	7,862.30	1,043.80	252.38	10,416,034.6303	1,924,017.5276	31° 14' 17.262 N	101° 31' 31.794 W
8,785.00	88.30	358.10	7,863.26	1,135.76	250.05	10,416,126.5891	1,924,015.2000	31° 14' 18.172 N	101° 31' 31.832 W
8,875.00	89.60	1.80	7,864.91	1,225.73	249.98	10,416,216.5562	1,924,015.1221	31° 14' 19.062 N	101° 31' 31.844 W
8,967.00	89.00	4.10	7,866.03	1,317.59	254.71	10,416,308.4206	1,924,019.8560	31° 14' 19.972 N	101° 31' 31.801 W
9,058.00	89.90	5.00	7,866.91	1,408.30	261.93	10,416,399.1276	1,924,027.0745	31° 14' 20.871 N	101° 31' 31.729 W
9,150.00	88.00	3.70	7,868.59	1,500.01	268.91	10,416,490.8408	1,924,034.0512	31° 14' 21.779 N	101° 31' 31.660 W
9,240.00	88.20	3.30	7,871.58	1,589.80	274.40	10,416,580.6232	1,924,039.5426	31° 14' 22.668 N	101° 31' 31.608 W
9,332.00	88.60	3.30	7,874.15	1,681.61	279.69	10,416,672.4344	1,924,044.8364	31° 14' 23.577 N	101° 31' 31.558 W
9,424.00	88.90	2.30	7,876.15	1,773.48	284.18	10,416,764.3013	1,924,049.3293	31° 14' 24.487 N	101° 31' 31.518 W
9,514.00	88.70	0.90	7,878.04	1,863.42	286.70	10,416,854.2439	1,924,051.8417	31° 14' 25.378 N	101° 31' 31.500 W
9,604.00	89.50	2.60	7,879.45	1,953.36	289.44	10,416,944.1866	1,924,054.5899	31° 14' 26.268 N	101° 31' 31.479 W
9,695.00	89.20	3.60	7,880.48	2,044.22	294.36	10,417,035.0462	1,924,059.5106	31° 14' 27.168 N	101° 31' 31.434 W
9,785.00	87.70	2.30	7,882.92	2,134.06	298.99	10,417,124.8893	1,924,064.1408	31° 14' 28.058 N	101° 31' 31.392 W
9,875.00	88.50	2.70	7,885.90	2,223.93	302.92	10,417,214.7531	1,924,068.0645	31° 14' 28.947 N	101° 31' 31.357 W
9,965.00	88.10	2.20	7,888.57	2,313.81	306.76	10,417,304.6306	1,924,071.9101	31° 14' 29.837 N	101° 31' 31.324 W
10,055.00	87.10	0.00	7,892.34	2,403.70	308.49	10,417,394.5282	1,924,073.6368	31° 14' 30.727 N	101° 31' 31.315 W
10,144.00	87.50	359.30	7,896.53	2,492.60	307.95	10,417,483.4269	1,924,073.0937	31° 14' 31.607 N	101° 31' 31.333 W
10,233.00	87.80	359.50	7,900.18	2,581.52	307.02	10,417,572.3468	1,924,072.1625	31° 14' 32.487 N	101° 31' 31.354 W
10,323.00	88.50	359.90	7,903.09	2,671.47	306.55	10,417,662.2978	1,924,071.6915	31° 14' 33.377 N	101° 31' 31.371 W
10,415.00	88.50	357.40	7,905.50	2,763.41	304.38	10,417,754.2332	1,924,069.5250	31° 14' 34.287 N	101° 31' 31.407 W



<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
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<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #2	<b>Database:</b>	EDM 5000.1 Multi User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,508.00	89.10	1.50	7,907.45	2,856.36	303.49	10,417,847.1881	1,924,068.6330	31° 14' 35.207 N	101° 31' 31.429 W
10,600.00	88.00	2.30	7,909.77	2,948.28	306.54	10,417,939.1057	1,924,071.6821	31° 14' 36.117 N	101° 31' 31.405 W
10,691.00	88.00	2.80	7,912.95	3,039.14	310.58	10,418,029.9598	1,924,075.7283	31° 14' 37.016 N	101° 31' 31.370 W
10,781.00	87.70	1.50	7,916.33	3,129.01	313.96	10,418,119.8309	1,924,079.1023	31° 14' 37.906 N	101° 31' 31.342 W
10,873.00	90.60	3.60	7,917.69	3,220.89	318.05	10,418,211.7145	1,924,083.1950	31° 14' 38.816 N	101° 31' 31.306 W
10,966.00	90.70	2.80	7,916.64	3,313.74	323.24	10,418,304.5626	1,924,088.3861	31° 14' 39.736 N	101° 31' 31.258 W
11,058.00	88.90	2.30	7,916.96	3,405.64	327.33	10,418,396.4666	1,924,092.4791	31° 14' 40.646 N	101° 31' 31.222 W
11,151.00	89.10	1.80	7,918.58	3,498.57	330.66	10,418,489.3924	1,924,095.8053	31° 14' 41.566 N	101° 31' 31.195 W
11,243.00	88.70	0.00	7,920.35	3,590.54	332.10	10,418,581.3600	1,924,097.2501	31° 14' 42.476 N	101° 31' 31.190 W
11,334.00	89.00	2.50	7,922.17	3,681.49	334.09	10,418,672.3125	1,924,099.2348	31° 14' 43.376 N	101° 31' 31.178 W
11,424.00	89.60	2.90	7,923.27	3,771.38	338.33	10,418,762.2051	1,924,103.4741	31° 14' 44.267 N	101° 31' 31.141 W
11,515.00	88.40	358.80	7,924.86	3,862.34	339.68	10,418,853.1600	1,924,104.8241	31° 14' 45.167 N	101° 31' 31.136 W
11,605.00	88.90	3.40	7,926.98	3,952.27	341.41	10,418,943.0938	1,924,106.5513	31° 14' 46.057 N	101° 31' 31.127 W
11,694.00	89.30	2.40	7,928.38	4,041.15	345.91	10,419,031.9673	1,924,111.0534	31° 14' 46.937 N	101° 31' 31.087 W
11,783.00	88.00	2.20	7,930.48	4,130.05	349.48	10,419,120.8688	1,924,114.6241	31° 14' 47.818 N	101° 31' 31.056 W
11,875.00	90.00	6.10	7,932.08	4,221.77	356.13	10,419,212.5910	1,924,121.2802	31° 14' 48.726 N	101° 31' 30.991 W
11,966.00	90.20	3.90	7,931.93	4,312.42	364.06	10,419,303.2388	1,924,129.2109	31° 14' 49.624 N	101° 31' 30.911 W
12,057.00	91.70	2.70	7,930.42	4,403.25	369.30	10,419,394.0709	1,924,134.4484	31° 14' 50.524 N	101° 31' 30.862 W
12,148.00	90.10	1.40	7,928.99	4,494.18	372.56	10,419,484.9964	1,924,137.7028	31° 14' 51.424 N	101° 31' 30.835 W
12,239.00	90.60	1.10	7,928.43	4,585.15	374.54	10,419,575.9725	1,924,139.6880	31° 14' 52.324 N	101° 31' 30.824 W
12,331.00	89.90	0.90	7,928.03	4,677.14	376.15	10,419,667.9568	1,924,141.2935	31° 14' 53.235 N	101° 31' 30.817 W
12,421.00	88.50	0.80	7,929.29	4,767.12	377.48	10,419,757.9357	1,924,142.6285	31° 14' 54.126 N	101° 31' 30.812 W
12,511.00	88.50	1.10	7,931.64	4,857.07	378.97	10,419,847.8922	1,924,144.1202	31° 14' 55.016 N	101° 31' 30.806 W
12,602.00	89.90	2.20	7,932.91	4,948.02	381.59	10,419,938.8418	1,924,146.7402	31° 14' 55.917 N	101° 31' 30.787 W
12,692.00	91.40	3.60	7,931.89	5,037.90	386.15	10,420,028.7157	1,924,151.2929	31° 14' 56.807 N	101° 31' 30.746 W
12,781.00	87.60	2.10	7,932.67	5,126.76	390.57	10,420,117.5833	1,924,155.7173	31° 14' 57.687 N	101° 31' 30.706 W
12,872.00	88.40	1.80	7,935.84	5,217.66	393.67	10,420,208.4741	1,924,158.8118	31° 14' 58.586 N	101° 31' 30.682 W
12,961.00	90.00	2.00	7,937.09	5,306.60	396.62	10,420,297.4134	1,924,161.7623	31° 14' 59.467 N	101° 31' 30.659 W
13,052.00	90.80	2.30	7,936.45	5,397.53	400.03	10,420,388.3461	1,924,165.1761	31° 15' 0.367 N	101° 31' 30.630 W
13,144.00	90.30	2.00	7,935.57	5,489.46	403.48	10,420,480.2765	1,924,168.6273	31° 15' 1.278 N	101° 31' 30.602 W
13,235.00	90.70	1.10	7,934.77	5,580.42	405.94	10,420,571.2385	1,924,171.0887	31° 15' 2.178 N	101° 31' 30.585 W
13,327.00	90.70	0.20	7,933.65	5,672.41	406.99	10,420,663.2246	1,924,172.1323	31° 15' 3.089 N	101° 31' 30.584 W
13,417.00	90.70	359.80	7,932.55	5,762.40	406.99	10,420,753.2174	1,924,172.1323	31° 15' 3.979 N	101° 31' 30.595 W
13,507.00	90.70	0.20	7,931.45	5,852.39	406.99	10,420,843.2103	1,924,172.1323	31° 15' 4.870 N	101° 31' 30.606 W
13,596.00	90.70	2.20	7,930.36	5,941.36	408.85	10,420,932.1795	1,924,173.9959	31° 15' 5.751 N	101° 31' 30.596 W
13,687.00	91.40	1.50	7,928.70	6,032.30	411.79	10,421,023.1154	1,924,176.9332	31° 15' 6.651 N	101° 31' 30.573 W
13,777.00	90.70	2.90	7,927.05	6,122.21	415.24	10,421,113.0310	1,924,180.3875	31° 15' 7.541 N	101° 31' 30.545 W
13,867.00	91.10	3.50	7,925.63	6,212.06	420.26	10,421,202.8788	1,924,185.4108	31° 15' 8.431 N	101° 31' 30.498 W
13,957.00	90.50	3.40	7,924.38	6,301.89	425.68	10,421,292.7064	1,924,190.8262	31° 15' 9.321 N	101° 31' 30.447 W
14,047.00	91.60	4.60	7,922.73	6,391.65	431.96	10,421,382.4689	1,924,197.1028	31° 15' 10.210 N	101° 31' 30.385 W
14,137.00	90.50	2.60	7,921.08	6,481.45	437.61	10,421,472.2701	1,924,202.7524	31° 15' 11.099 N	101° 31' 30.331 W
14,228.00	89.10	2.90	7,921.40	6,572.35	441.97	10,421,563.1622	1,924,207.1182	31° 15' 11.999 N	101° 31' 30.292 W
14,320.00	89.30	2.90	7,922.68	6,664.22	446.63	10,421,655.0352	1,924,211.7723	31° 15' 12.909 N	101° 31' 30.250 W
14,409.00	89.40	1.50	7,923.69	6,753.15	450.04	10,421,743.9615	1,924,215.1885	31° 15' 13.789 N	101° 31' 30.222 W
14,500.00	89.70	2.00	7,924.40	6,844.10	452.82	10,421,834.9157	1,924,217.9674	31° 15' 14.690 N	101° 31' 30.201 W
14,591.00	90.60	2.20	7,924.17	6,935.04	456.16	10,421,925.8531	1,924,221.3019	31° 15' 15.590 N	101° 31' 30.174 W
14,682.00	90.40	1.90	7,923.37	7,025.98	459.41	10,422,016.7910	1,924,224.5570	31° 15' 16.491 N	101° 31' 30.147 W
14,771.00	89.90	0.80	7,923.14	7,114.95	461.51	10,422,105.7642	1,924,226.6538	31° 15' 17.371 N	101° 31' 30.134 W
14,861.00	90.00	0.20	7,923.22	7,204.95	462.29	10,422,195.7601	1,924,227.4392	31° 15' 18.262 N	101° 31' 30.136 W
14,950.00	90.70	1.80	7,922.67	7,293.93	463.85	10,422,284.7413	1,924,228.9923	31° 15' 19.143 N	101° 31' 30.129 W
15,040.00	91.10	1.00	7,921.26	7,383.89	466.05	10,422,374.7023	1,924,231.1909	31° 15' 20.034 N	101° 31' 30.115 W
15,130.00	90.00	2.90	7,920.40	7,473.83	469.11	10,422,464.6403	1,924,234.2532	31° 15' 20.924 N	101° 31' 30.091 W
15,222.00	91.10	4.80	7,919.51	7,565.61	475.28	10,422,556.4227	1,924,240.4297	31° 15' 21.833 N	101° 31' 30.031 W
15,312.00	91.60	4.00	7,917.39	7,655.32	482.19	10,422,646.1313	1,924,247.3324	31° 15' 22.722 N	101° 31' 29.963 W
15,403.00	90.90	3.30	7,915.41	7,746.11	487.98	10,422,736.9238	1,924,253.1241	31° 15' 23.621 N	101° 31' 29.907 W

<b>Company:</b>	Fleur De Lis Energy, LLC	<b>Local Co-ordinate Reference:</b>	Well University 10 2704H
<b>Project:</b>	Reagan CountyTx	<b>TVD Reference:</b>	KB=25' @ 2748.00ft
<b>Site:</b>	Sec 22 & 27, BLK 10, U.L.S	<b>MD Reference:</b>	KB=25' @ 2748.00ft
<b>Well:</b>	University 10 2704H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #2	<b>Database:</b>	EDM 5000.1 Multi User Db

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,495.00	92.20	3.60	7,912.92	7,837.91	493.51	10,422,828.7212	1,924,258.6582	31° 15' 24.530 N	101° 31' 29.855 W
15,587.00	89.00	3.60	7,911.96	7,929.71	499.29	10,422,920.5225	1,924,264.4338	31° 15' 25.439 N	101° 31' 29.799 W
15,678.00	88.70	3.40	7,913.78	8,020.52	504.84	10,423,011.3342	1,924,269.9881	31° 15' 26.339 N	101° 31' 29.747 W
15,768.00	90.40	4.00	7,914.49	8,110.33	510.65	10,423,101.1399	1,924,275.7957	31° 15' 27.228 N	101° 31' 29.691 W
15,857.00	91.50	5.40	7,913.01	8,199.01	517.94	10,423,189.8247	1,924,283.0867	31° 15' 28.107 N	101° 31' 29.618 W
15,929.00	92.20	4.90	7,910.69	8,270.68	524.40	10,423,261.4959	1,924,289.5463	31° 15' 28.817 N	101° 31' 29.552 W
15,972.00	92.20	4.90	7,909.04	8,313.49	528.07	10,423,304.3071	1,924,293.2165	31° 15' 29.241 N	101° 31' 29.515 W

Last MWD Svy 15972/7909.04 TVD - Uni 10 2704H LTP/BHL Plan #

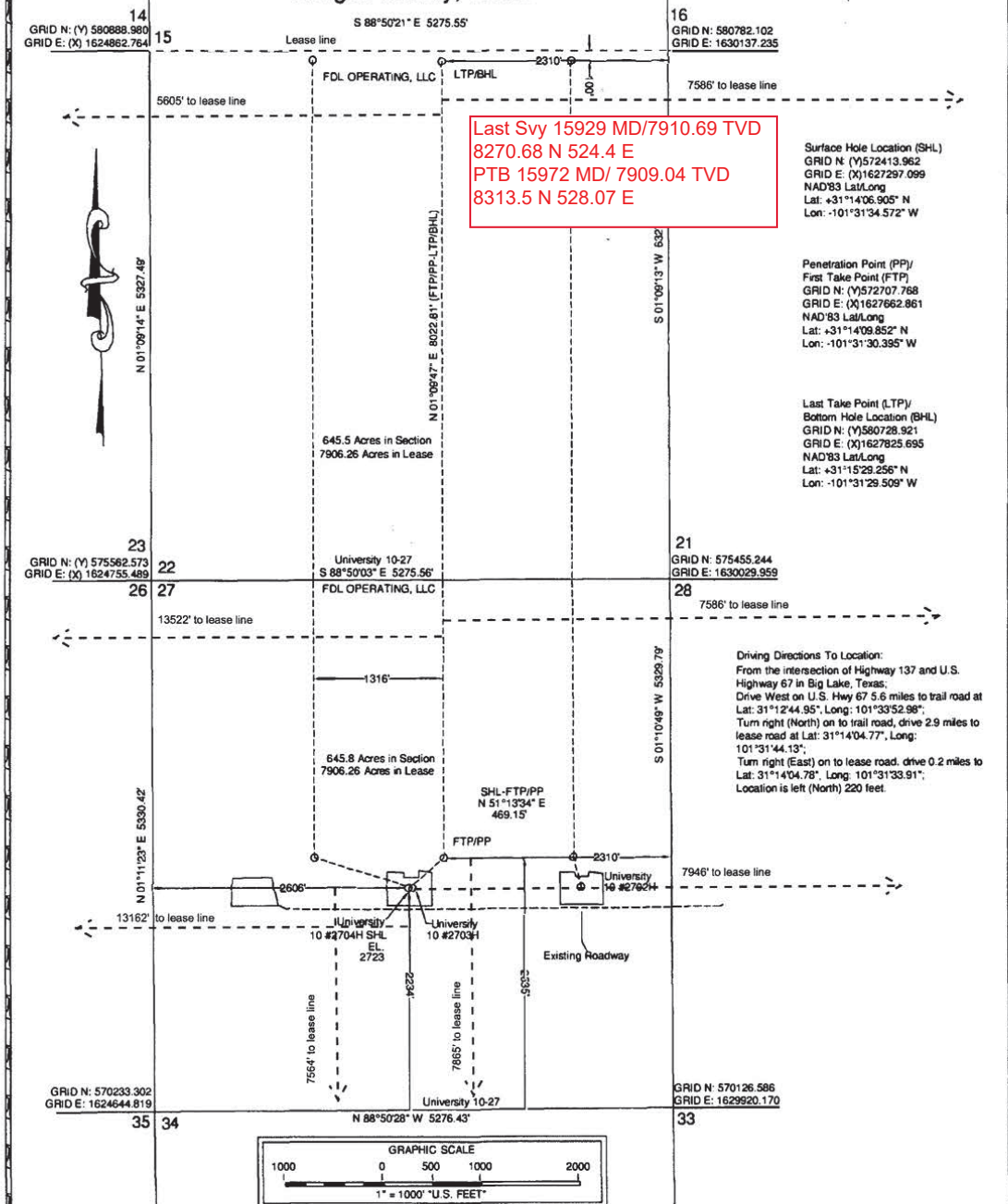
**Survey Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,645.00	6,643.90	19.89	-20.83	Tie-On Svy 6645 MD/6643.9 TVD
15,972.00	7,909.04	8,313.49	528.07	Last MWD Svy 15972/7909.04 TVD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



# Block 10, University Land Survey Reagan County, Texas



Note: Well is located 4.9 miles Northwest of the city of Big Lake, Texas.  
 Note: Survey Reconstruction filed in the Office of Pennell & Marlowe Land Surveyors, Inc.  
 Note: Coordinates shown herein are on The Texas Coordinate System of 1927, Central Zone.  
 Note: Latitudes and Longitudes shown are on NAD83 Datum.  
 Note: Bearings and distances are based on The Texas Coordinate System of 1927, Central Zone.  
 Note: Example: (S-99999) indicates General Land Office file number.

Revised: 02/07/2017-KRM  
 USGS Quadrangle Sheet: Gardener Draw, Tex.  
 USGS Quadrangle Sheet: Best, Tex.  
 Railroad Commission Permit Plat



*Stephen P. Marlowe*  
 REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5715

January 26, 2017  
 170126JF2-NRL

FDL OPERATING, LLC  
 University 10 #2704H  
 2234' FROM SOUTH LINE  
 2606' FROM WEST LINE  
 Sections 22 & 27, Block 10  
 University Lands Survey  
 Reagan County, Texas

Scale: 1" = 1000'



## Survey Certification Form

### STATE OF TEXAS

#### REAGAN COUNTY

I **Christina Myers**, certify that; I am employed **Integrity Directional Services**; that I did on the day(s) of **05/11/2017** through **05/27/2017** conduct or supervise the taking of MWD surveys from a depth of **6755 feet** to a depth of **15929 feet** & Project to TD **115972 feet**. The data is true, correct, complete, and within the limitations of the tool set forth by Integrity Directional Services. I am authorized and qualified to make this report, and that this report was conducted at the request of **FDL Operating, LLC.** , for the **University 10 #2704H** , API # **42-383-38226** drilled in **Reagan** County, Texas. I have reviewed this report and find that it conforms to the principles and procedures as set forth by Integrity Directional Services.

*Christina Myers*

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Christina Myers  
Well Planner