

SHERIDAN PRODUCTION

Fullerton (NAD27)

Andrews County, Texas (Grid North)

University Consolidated IV #3009

VH - Job #321214-KW-1453

Survey: drop Gyro

Regulatory Report (Grid North)

25 December, 2014

Regulatory Report (Grid North)

Company:	SHERIDAN PRODUCTION	Local Co-ordinate Reference:	Well University Consolidated IV #3009
Project:	Fullerton (NAD27)	TVD Reference:	Mean Sea Level (System)
Site:	Andrews County, Texas (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	University Consolidated IV #3009	North Reference:	Grid
Wellbore:	VH - Job #321214-KW-1453	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321214-KW-1453	Database:	MID_Regulatory

Project	Fullerton (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Texas North Central 4202		

Site		Andrews County, Texas (Grid North)			
Site Position:		Northing:	293,392.23 usft	Latitude:	32° 21' 34.441 N
From:	Lat/Long	Easting:	363,372.69 usft	Longitude:	102° 48' 8.575 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-2.89 °

Well		University Consolidated IV #3009, Vertical				
Well Position	+N/-S	0.0 usft	Northing:	293,392.22 usft	Latitude:	32° 21' 34.441 N
	+E/-W	0.0 usft	Easting:	363,372.69 usft	Longitude:	102° 48' 8.575 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	0.0 usft

Wellbore	VH - Job #321214-KW-1453				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	12/13/2014	6.95	60.35	48,419

Design	VH - Job #321214-KW-1453				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	67.81	

Survey Program	Date	12/25/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
145.0	1,660.0	drop Gyro (VH - Job #321214-KW-1453)	Keeper	Keeper Gyro	

Survey								
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0
145.0	0.34	88.71	145.0	0.0	0.4	88.71	0.4	0.4
235.0	0.52	78.44	235.0	0.1	1.1	84.92	1.1	1.1
325.0	0.49	65.14	325.0	0.3	1.8	79.53	1.9	1.9
415.0	0.41	89.94	415.0	0.5	2.5	78.70	2.6	2.6
505.0	0.58	86.02	505.0	0.5	3.3	80.77	3.3	3.3
580.0	0.31	72.29	580.0	0.6	3.9	80.84	3.9	3.9
670.0	0.56	58.84	670.0	0.9	4.5	78.32	4.6	4.6
760.0	0.38	66.29	760.0	1.3	5.1	76.05	5.3	5.3
850.0	0.43	49.29	850.0	1.6	5.7	74.08	5.9	5.9
940.0	0.45	53.60	940.0	2.0	6.2	71.75	6.5	6.5
1,030.0	0.62	53.10	1,030.0	2.5	6.9	69.67	7.3	7.3

Regulatory Report (Grid North)

Company:	SHERIDAN PRODUCTION	Local Co-ordinate Reference:	Well University Consolidated IV #3009
Project:	Fullerton (NAD27)	TVD Reference:	Mean Sea Level (System)
Site:	Andrews County, Texas (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	University Consolidated IV #3009	North Reference:	Grid
Wellbore:	VH - Job #321214-KW-1453	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321214-KW-1453	Database:	MID_Regulatory

Survey								
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)	
1,120.0	0.59	48.44	1,120.0	3.1	7.6	67.53	8.2	
1,210.0	0.48	61.92	1,210.0	3.6	8.3	66.34	9.0	
1,300.0	0.51	74.53	1,300.0	3.9	9.0	66.50	9.8	
1,390.0	0.31	84.44	1,390.0	4.0	9.6	67.22	10.4	
1,480.0	0.34	92.33	1,480.0	4.1	10.1	68.19	10.9	
1,570.0	0.26	66.09	1,569.9	4.1	10.6	68.70	11.4	
1,660.0	0.22	333.84	1,659.9	4.4	10.7	67.81	11.6	

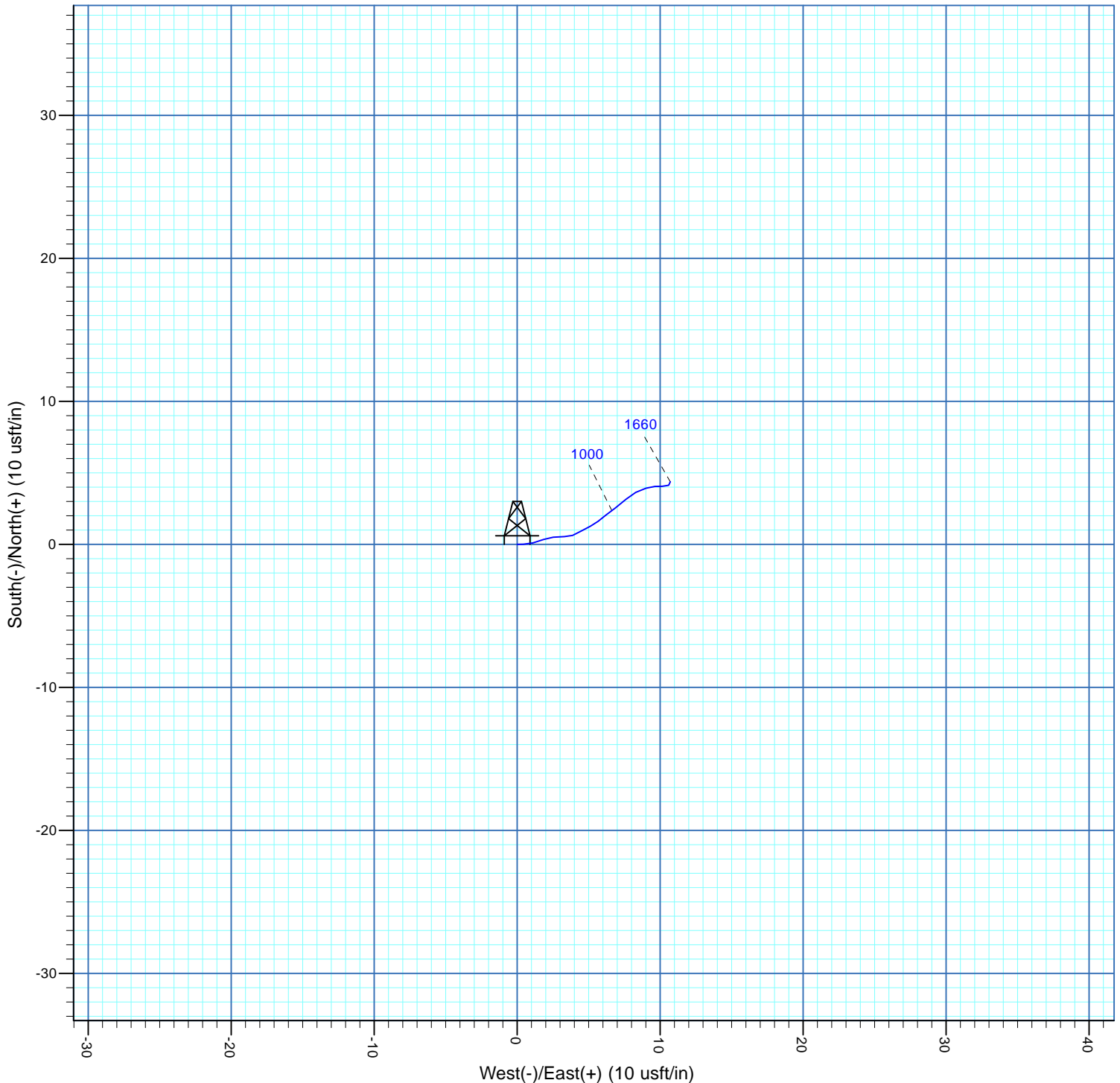


Scientific Drilling

Project: Fullerton (NAD27)
Andrews County, Texas (Grid North)
Well: University Consolidated IV #3009
Wellbore: VH - Job #321214-KW-1453
Design: VH - Job #321214-KW-1453

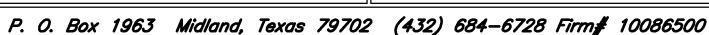
WELL DETAILS: University Consolidated IV #3009
Mean Sea Level (System)

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.0	0.0	293392.22	363372.69	0.0	32° 21' 34.441 N	102° 48' 8.575 W	



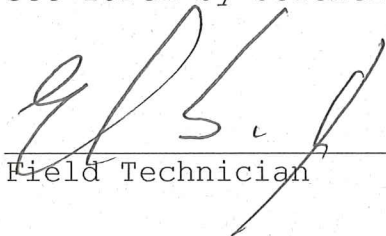
PROJECT DETAILS: Fullerton (NAD27)	SITE DETAILS: Andrews County, Texas (Grid North)
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 21' 34.441 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 102° 48' 8.575 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.0
Zone: Texas North Central 4202	Convergence: -2.89
System Datum: Mean Sea Level	Local North: Grid

SECTION 30, BLOCK 13, UNIVERSITY LAND SURVEY



State of Texas
County of Midland

I, Eliseo Garza Jr., certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 12/13/2014 through 12/13/2014 conduct or supervise the taking of a Keeper Gyro survey from a depth of 0 feet to a depth of 1660 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of Sheridan Production Company, LLC for the University Consolidated IV #3009 Well, API# 42-003-46321 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 Scientific Drilling International.



Field Technician



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

July 08, 2015


Attn: Pam Johns

RE: Sheridan Production Company LLC
University Consolidated IV #3009 (OH)
Andrews County, Texas
API #: 42-003-46321

Enclosed, please find the original and one copy of the survey performed on the referenced well by LEAM Drilling Systems, LLC. (P-5 No. 491647). 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>
Randy W. Rakowitz	OH	1,717' – 8,800'	12/15/2014-12/22/2014	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to 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.


Nora Tucker
Well Planner

Enclosures

LEAM Drilling Systems LLC

Survey Report

Company:	Sheridan	Local Co-ordinate Reference:	Well #3009
Project:	Andrews County, TX	TVD Reference:	WELL 3271 @ 3271.00usft
Site:	University Consolidated IV	MD Reference:	WELL 3271 @ 3271.00usft
Well:	#3009	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

Project	Andrews County, TX		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Texas North Central 4202		

Site	University Consolidated IV		
Site Position:		Northing:	293,170.00 usft
From:	Map	Easting:	366,325.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 21' 33.717 N
		Longitude:	102° 47' 34.069 W
		Grid Convergence:	-2.89 °

Well	#3009		
Well Position	+N-S	0.00 usft	Northing: 293,391.00 usft
	+E-W	0.00 usft	Easting: 363,373.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 21' 34.429 N
		Longitude:	102° 48' 8.571 W
		Ground Level:	3,271.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2014	12/12/14	6.95
			Dip Angle (°) 60.35
			Field Strength (nT) 48,395

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)
	0.00	0.00	0.00
			Direction (°) 360.00

Survey Program	Date 07/08/15		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
145.00	1,660.00	Survey #1 (OH)	ISCWSA-GYRO-3
1,717.00	8,750.00	Survey #2 (OH)	LEAM MWD
8,800.00	8,800.00	Projection (OH)	Project
			Description
			Gyroflex Explorer (corrected)
			MWD - Standard
			Projection

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.00	0.34	88.71	145.00	0.01	0.43	0.01	0.23	0.23	0.00
235.00	0.52	78.44	235.00	0.10	1.10	0.10	0.22	0.20	-11.41
325.00	0.49	65.14	324.99	0.34	1.85	0.34	0.13	-0.03	-14.78
415.00	0.41	89.94	414.99	0.50	2.52	0.50	0.23	-0.09	27.56
505.00	0.58	86.02	504.99	0.54	3.29	0.54	0.19	0.19	-4.36
580.00	0.31	72.29	579.98	0.62	3.87	0.62	0.38	-0.36	-18.31
670.00	0.56	58.84	669.98	0.92	4.47	0.92	0.30	0.28	-14.94
760.00	0.38	66.29	759.98	1.27	5.12	1.27	0.21	-0.20	8.28

LEAM Drilling Systems LLC

Survey Report

Company:	Sheridan	Local Co-ordinate Reference:	Well #3009
Project:	Andrews County, TX	TVD Reference:	WELL 3271 @ 3271.00usft
Site:	University Consolidated IV	MD Reference:	WELL 3271 @ 3271.00usft
Well:	#3009	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
850.00	0.43	49.29	849.98	1.61	5.65	1.61	0.14	0.06	-18.89
940.00	0.45	53.60	939.97	2.04	6.19	2.04	0.04	0.02	4.79
1,030.00	0.62	53.10	1,029.97	2.54	6.87	2.54	0.19	0.19	-0.56
1,120.00	0.59	48.44	1,119.97	3.14	7.60	3.14	0.06	-0.03	-5.18
1,210.00	0.48	61.92	1,209.96	3.63	8.28	3.63	0.18	-0.12	14.98
1,300.00	0.51	74.53	1,299.96	3.91	9.00	3.91	0.13	0.03	14.01
1,390.00	0.31	84.44	1,389.96	4.04	9.63	4.04	0.23	-0.22	11.01
1,480.00	0.34	92.33	1,479.95	4.06	10.14	4.06	0.06	0.03	8.77
1,570.00	0.26	66.09	1,569.95	4.13	10.59	4.13	0.17	-0.09	-29.16
1,660.00	0.22	333.84	1,659.95	4.37	10.70	4.37	0.39	-0.04	-102.50
1,717.00	0.44	339.44	1,716.95	4.67	10.58	4.67	0.39	0.39	9.82
1,806.00	0.53	14.24	1,805.95	5.39	10.56	5.39	0.34	0.10	39.10
1,896.00	0.35	36.57	1,895.95	6.01	10.83	6.01	0.27	-0.20	24.81
1,985.00	0.44	24.44	1,984.94	6.54	11.13	6.54	0.14	0.10	-13.63
2,075.00	0.53	21.45	2,074.94	7.24	11.42	7.24	0.10	0.10	-3.32
2,164.00	0.62	29.89	2,163.94	8.05	11.81	8.05	0.14	0.10	9.48
2,254.00	0.79	41.84	2,253.93	8.93	12.47	8.93	0.25	0.19	13.28
2,343.00	1.14	47.74	2,342.92	9.98	13.54	9.98	0.41	0.39	6.63
2,433.00	1.41	53.97	2,432.89	11.24	15.09	11.24	0.34	0.30	6.92
2,523.00	1.49	52.74	2,522.87	12.60	16.92	12.60	0.10	0.09	-1.37
2,612.00	1.67	55.73	2,611.83	14.03	18.91	14.03	0.22	0.20	3.36
2,702.00	1.23	40.79	2,701.80	15.50	20.63	15.50	0.64	-0.49	-16.60
2,791.00	1.32	44.30	2,790.78	16.95	21.97	16.95	0.13	0.10	3.94
2,881.00	1.41	42.02	2,880.76	18.52	23.43	18.52	0.12	0.10	-2.53
2,970.00	1.41	41.02	2,969.73	20.16	24.88	20.16	0.03	0.00	-1.12
3,060.00	1.32	43.42	3,059.70	21.75	26.32	21.75	0.12	-0.10	2.67
3,149.00	1.32	42.37	3,148.68	23.25	27.72	23.25	0.03	0.00	-1.18
3,239.00	1.41	45.01	3,238.65	24.80	29.20	24.80	0.12	0.10	2.93
3,329.00	1.58	44.13	3,328.62	26.47	30.85	26.47	0.19	0.19	-0.98
3,418.00	1.23	49.05	3,417.60	27.98	32.42	27.98	0.42	-0.39	5.53
3,508.00	1.40	48.20	3,507.57	29.34	33.97	29.34	0.19	0.19	-0.94
3,597.00	1.58	47.29	3,596.54	30.90	35.69	30.90	0.20	0.20	-1.02
3,687.00	1.14	51.16	3,686.52	32.30	37.29	32.30	0.50	-0.49	4.30
3,777.00	1.14	52.56	3,776.50	33.41	38.70	33.41	0.03	0.00	1.56
3,866.00	1.06	57.49	3,865.48	34.39	40.10	34.39	0.14	-0.09	5.54
3,956.00	0.97	55.20	3,955.47	35.27	41.43	35.27	0.11	-0.10	-2.54
4,045.00	0.97	50.46	4,044.46	36.18	42.63	36.18	0.09	0.00	-5.33
4,135.00	0.79	52.92	4,134.44	37.04	43.71	37.04	0.20	-0.20	2.73
4,225.00	0.79	48.52	4,224.44	37.82	44.67	37.82	0.07	0.00	-4.89
4,314.00	0.79	56.26	4,313.43	38.57	45.64	38.57	0.12	0.00	8.70
4,404.00	0.79	47.99	4,403.42	39.33	46.62	39.33	0.13	0.00	-9.19
4,493.00	0.79	53.09	4,492.41	40.11	47.56	40.11	0.08	0.00	5.73
4,583.00	0.79	52.04	4,582.40	40.86	48.55	40.86	0.02	0.00	-1.17

LEAM Drilling Systems LLC

Survey Report

Company:	Sheridan	Local Co-ordinate Reference:	Well #3009
Project:	Andrews County, TX	TVD Reference:	WELL 3271 @ 3271.00usft
Site:	University Consolidated IV	MD Reference:	WELL 3271 @ 3271.00usft
Well:	#3009	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,673.00	0.70	48.17	4,672.39	41.61	49.45	41.61	0.11	-0.10	-4.30
4,762.00	0.70	41.14	4,761.39	42.38	50.21	42.38	0.10	0.00	-7.90
4,852.00	0.79	47.28	4,851.38	43.22	51.03	43.22	0.13	0.10	6.82
4,941.00	0.70	52.39	4,940.37	43.97	51.91	43.97	0.13	-0.10	5.74
5,031.00	0.62	49.75	5,030.37	44.62	52.72	44.62	0.10	-0.09	-2.93
5,121.00	0.70	52.56	5,120.36	45.27	53.52	45.27	0.10	0.09	3.12
5,210.00	0.62	32.17	5,209.36	46.00	54.21	46.00	0.28	-0.09	-22.91
5,300.00	0.60	21.50	5,299.35	46.86	54.64	46.86	0.13	-0.02	-11.86
5,390.00	0.70	24.62	5,389.34	47.79	55.05	47.79	0.12	0.11	3.47
5,479.00	0.70	13.01	5,478.34	48.82	55.39	48.82	0.16	0.00	-13.04
5,569.00	0.70	2.82	5,568.33	49.90	55.55	49.90	0.14	0.00	-11.32
5,659.00	0.70	5.98	5,658.32	51.00	55.63	51.00	0.04	0.00	3.51
5,748.00	0.79	7.56	5,747.32	52.15	55.77	52.15	0.10	0.10	1.78
5,838.00	0.62	4.23	5,837.31	53.25	55.88	53.25	0.19	-0.19	-3.70
5,927.00	0.70	11.08	5,926.30	54.26	56.02	54.26	0.13	0.09	7.70
6,017.00	0.53	17.94	6,016.30	55.20	56.26	55.20	0.21	-0.19	7.62
6,106.00	0.70	8.27	6,105.29	56.13	56.46	56.13	0.22	0.19	-10.87
6,195.00	0.79	18.11	6,194.29	57.25	56.73	57.25	0.18	0.10	11.06
6,285.00	0.79	17.06	6,284.28	58.43	57.11	58.43	0.02	0.00	-1.17
6,375.00	0.88	17.76	6,374.27	59.68	57.50	59.68	0.10	0.10	0.78
6,464.00	0.97	22.86	6,463.26	61.03	58.00	61.03	0.14	0.10	5.73
6,554.00	1.06	16.08	6,553.24	62.53	58.53	62.53	0.17	0.10	-7.53
6,643.00	1.06	10.55	6,642.23	64.13	58.91	64.13	0.11	0.00	-6.21
6,733.00	1.23	8.62	6,732.21	65.90	59.20	65.90	0.19	0.19	-2.14
6,822.00	1.41	6.51	6,821.19	67.94	59.47	67.94	0.21	0.20	-2.37
6,912.00	1.41	6.33	6,911.16	70.14	59.72	70.14	0.00	0.00	-0.20
7,002.00	1.49	6.86	7,001.13	72.40	59.98	72.40	0.09	0.09	0.59
7,092.00	0.88	9.67	7,091.11	74.24	60.24	74.24	0.68	-0.68	3.12
7,181.00	0.88	2.47	7,180.10	75.60	60.38	75.60	0.12	0.00	-8.09
7,271.00	0.88	15.12	7,270.09	76.96	60.59	76.96	0.22	0.00	14.06
7,360.00	0.88	24.62	7,359.08	78.24	61.05	78.24	0.16	0.00	10.67
7,450.00	0.88	26.20	7,449.07	79.49	61.65	79.49	0.03	0.00	1.76
7,539.00	0.97	30.06	7,538.06	80.75	62.33	80.75	0.12	0.10	4.34
7,629.00	1.10	34.50	7,628.04	82.12	63.20	82.12	0.17	0.14	4.93
7,719.00	1.14	33.23	7,718.02	83.58	64.18	83.58	0.05	0.04	-1.41
7,808.00	1.06	31.30	7,807.01	85.03	65.09	85.03	0.10	-0.09	-2.17
7,898.00	0.88	29.89	7,897.00	86.34	65.87	86.34	0.20	-0.20	-1.57
7,988.00	0.97	34.28	7,986.98	87.57	66.64	87.57	0.13	0.10	4.88
8,077.00	1.23	47.29	8,075.97	88.84	67.77	88.84	0.40	0.29	14.62
8,167.00	1.23	42.72	8,165.95	90.20	69.13	90.20	0.11	0.00	-5.08
8,256.00	1.14	38.85	8,254.93	91.59	70.33	91.59	0.14	-0.10	-4.35
8,346.00	1.23	42.02	8,344.91	93.01	71.54	93.01	0.12	0.10	3.52
8,435.00	1.23	43.95	8,433.89	94.40	72.84	94.40	0.05	0.00	2.17

LEAM Drilling Systems LLC

Survey Report

Company:	Sheridan	Local Co-ordinate Reference:	Well #3009
Project:	Andrews County, TX	TVD Reference:	WELL 3271 @ 3271.00usft
Site:	University Consolidated IV	MD Reference:	WELL 3271 @ 3271.00usft
Well:	#3009	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

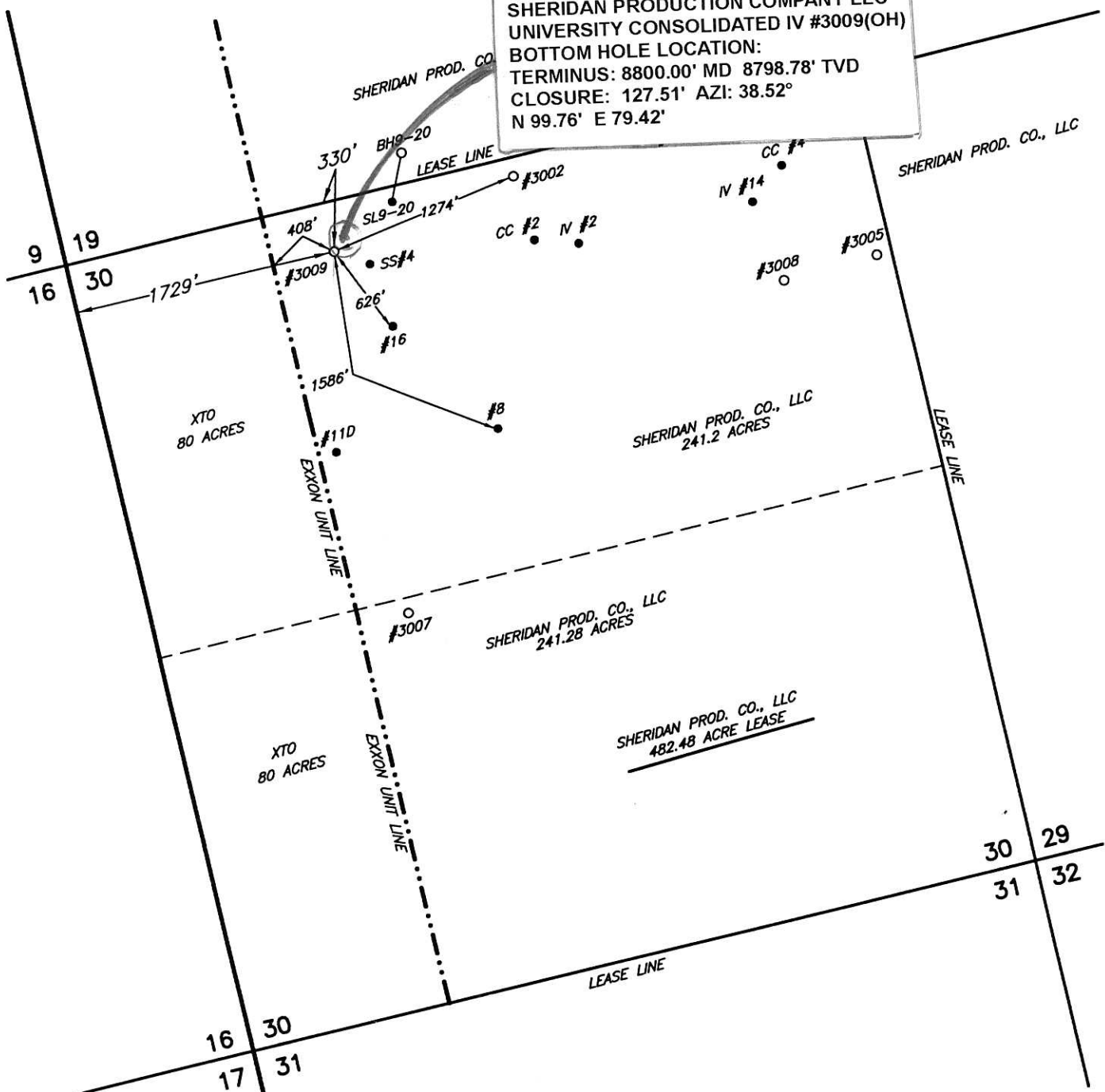
Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,525.00	1.32	43.95	8,523.87	95.85	74.23	95.85	0.10	0.10	0.00
8,614.00	1.32	45.01	8,612.84	97.31	75.67	97.31	0.03	0.00	1.19
8,704.00	1.32	57.49	8,702.82	98.60	77.28	98.60	0.32	0.00	13.87
8,750.00	1.49	62.76	8,748.80	99.16	78.26	99.16	0.46	0.37	11.46
8,800.00	1.49	62.76	8,798.79	99.75	79.41	99.75	0.00	0.00	0.00
Projection to Bit									

ANDREWS County, Texas
SL Description 330' FNL & 1729' FWL

SECTION 30, BLOCK 13, UNIVERSITY LAND SURVEY

SHERIDAN PRODUCTION COMPANY LLC
UNIVERSITY CONSOLIDATED IV #3009(OH)
BOTTOM HOLE LOCATION:
TERMINUS: 8800.00' MD 8798.78' TVD
CLOSURE: 127.51' AZI: 38.52°
N 99.76' E 79.42'

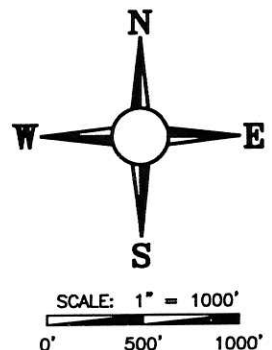
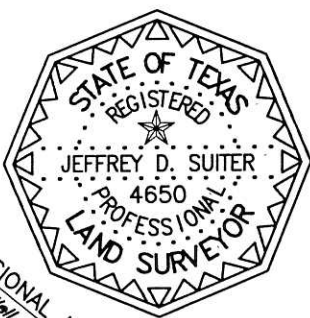


Operator SHERIDAN PRODUCTION COMPANY, LLC Note: For survey construction, corner descriptions and records references, see supporting documents in file.
Lease Name & Well No. UNIVERSITY CONSOLIDATED IV #3009
Ground Elev. 3271' Alternate Location RESTAKE
Coordinates NAD 27 TNC ZONE X = 363373 Y = 293391 LAT.: N 32.359567 LONG.: W 102.802382
NAD 83 TNC ZONE LAT.: N 32.359672 LONG.: W 102.804833
Topography & Vegetation NATURAL PASTURE
Best Accessibility to Location FROM LEASE ROAD 350' SOUTH
Distance & Direction ±15 MILES NORTHWEST OF ANDREWS

The above sketch represents the location as staked
on the ground and is for permit purposes only.

Jeffrey D. Suiter

Registered Professional Land Surveyor No. 4650





Survey Certification Form

State of TX
Andrews County

I, Randy W. Rakowitz, certify that; I am employed by LEAM Drilling Systems LLC, that I did on the day(s) of December 15, 2014 through December 22, 2014, conduct or supervise the taking of MWD Survey from a depth of 1,717' MD to 8,800' MD; that the data is true, correct, complete and within the limitations of the tools as set forth by LEAM Drilling Systems LLC, that I am authorized and qualified to make this report; that this survey was conducted at the request of Sheridan Production Company LLC for the University Consolidated IV #3009(OH) in Andrews County, TX; and that I reviewed this report and find that it conforms to the principals and procedures as set forth by LEAM Drilling Systems LLC.

A handwritten signature in black ink, appearing to read 'Randy W. Rakowitz', is written over a solid black horizontal line.

Randy W. Rakowitz
MWD Operations Coordinator