

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
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Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-46012	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA YESO
Property Code 325845	Property Name DORAMI 33 FED COM	Well Number 4H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS, LLC	Elevation 3529'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	34	19-S	25-E		1910	SOUTH	850	WEST	EDDY

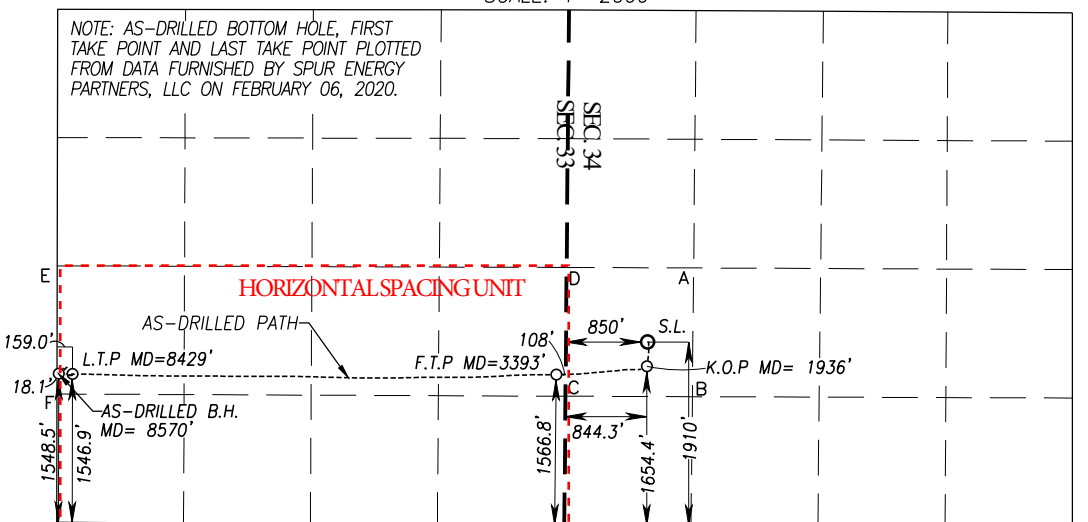
As-Drilled Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	33	19-S	25-E		1548.4	SOUTH	18.1	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SCALE: 1"=2000'



AS-DRILLED BOTTOM
HOLE LOCATION
NAD 27 NME

Y= 587094.7 N
X= 449344.1 E
LAT.=32.613920° N
LONG.=104.497848° W

AS-DRILLED BOTTOM
HOLE LOCATION
NAD 83 NME

Y= 587155.3 N
X= 490522.5 E
LAT.=32.614033° N
LONG.=104.498368° W

LAST TAKE POINT
NAD 27 NME

Y= 587092.0 N
X= 449485.1 E
LAT.=32.613913° N
LONG.=104.497390° W

LAST TAKE POINT
NAD 83 NME

Y= 587152.6 N
X= 490663.4 E
LAT.=32.614026° N
LONG.=104.497911° W

FIRST TAKE POINT
NAD 27 NME

Y= 587085.1 N
X= 454517.8 E
LAT.=32.613914° N
LONG.=104.481045° W

FIRST TAKE POINT
NAD 83 NME

Y= 587145.7 N
X= 495696.3 E
LAT.=32.614027° N
LONG.=104.481565° W

KICK OFF POINT
NAD 27 NME

Y= 587169.5 N
X= 455470.6 E
LAT.=32.614150° N
LONG.=104.477951° W

FIRST TAKE POINT
NAD 83 NME

Y= 587230.2 N
X= 496649.1 E
LAT.=32.614263° N
LONG.=104.478471° W

GEODETIC COORDINATES
NAD 27 NME

SURFACE LOCATION
Y= 587425.1 N
X= 455478.7 E
LAT.=32.614852° N
LONG.=104.477926° W

GEODETIC COORDINATES
NAD 83 NME

SURFACE LOCATION
Y= 587485.7 N
X= 496657.2 E
LAT.=32.614965° N
LONG.=104.478446° W

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 588195.5 N, X= 455959.0 E
B - Y= 586855.2 N, X= 455945.6 E
C - Y= 586859.8 N, X= 454623.7 E
D - Y= 588201.1 N, X= 454636.0 E
E - Y= 588218.1 N, X= 449328.3 E
F - Y= 586882.5 N, X= 449325.7 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 588256.2 N, X= 497137.5 E
B - Y= 586915.8 N, X= 497124.1 E
C - Y= 586920.4 N, X= 495802.2 E
D - Y= 588261.8 N, X= 495814.5 E
E - Y= 588278.7 N, X= 490506.6 E
F - Y= 586943.0 N, X= 490504.0 E

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sarah Chapman 03/30/2020
Signature Date

SARAH CHAPMAN

Printed Name

SCHAPMAN@SPUREPLLC.COM

E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the information shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DATE: OCTOBER 04 2018
Date of Survey
Signature & Seal of Professional Surveyor:

Gary G. Eidson 3/30/2020
Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

LSL Rel w.o.: 19.13.0964 JWSC W.O.: 20.13.0172

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

API #	30-015-46012	DORAMI 33 FEDERAL COM 4H	County, ST	Eddy, NM
Operator	Spur Energy Partners, LLC		Sec-Twn-Rng	34-19S-25E
Field	N. SEVEN RIVERS-GLORIETA-YESO		Footage	1910' FSL 850' FWL
Spud Date	1/27/2020			

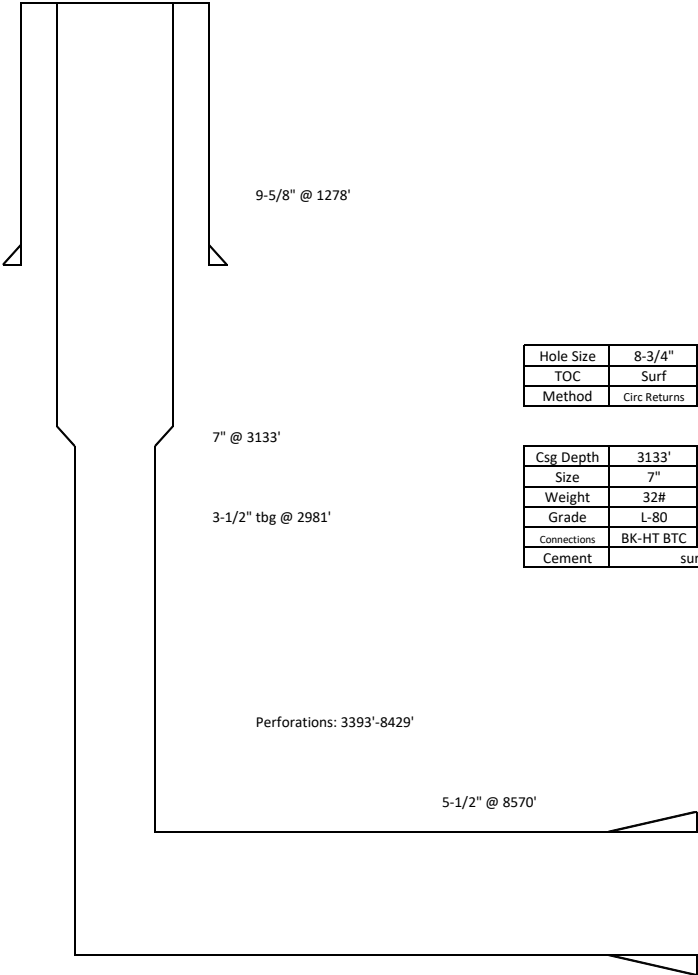
GL	3529'
Hole Size	12-1/4"
TOC	Surf
Method	Circ Returns

Csg Depth	1278'
Size	9-5/8"
Weight	36#
Grade	J-55
Connections	BTC
Cement	surface

PBTD	8570'
TD MD	8570'
TD TVD	2814'

Hole Size	8-3/4"
TOC	Surf
Method	Circ Returns

Csg Depth	3133'	8570'
Size	7"	5-1/2"
Weight	32#	20#
Grade	L-80	L-80
Connections	BK-HT BTC	BK-HT BTC
Cement	surface	





I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **01/28/20** thru **02/05/20** conduct or supervise the taking of a **MWD Survey** from a depth of **164'** to a depth of **8570'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Spur Energy Partners** for the **Dorami 33 Fed Com 4H** API No. **30-015-46012** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Larry
Wright

Digitally signed
by Larry Wright
Date:
2020.02.06
14:21:51 -06'00'



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Dorami 33 Fed Com
Well: #4H
Wellbore: OH
Rig: Akita 57
Design: OH / 7:13, February 06 2020

WELL DETAILS: #4H

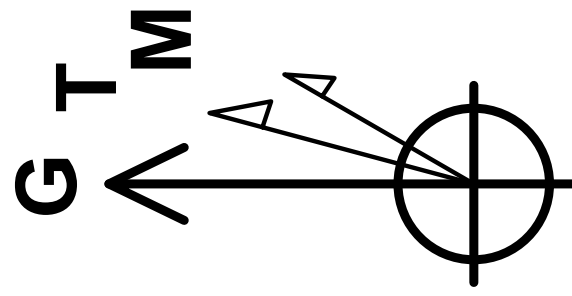
RKB=20' @ 3549.00usft (Akita 57)				
	+N/-S	+E/-W	Northing	Longitude
8570.00	0.00	0.00	587485.70	-104.478446
8570.00	0.00	0.00	496657.20	-104.478446

ANNOTATION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect Departure	Annotation
8570.00	90.20	271.16	2813.64	-330.53	-6136.28	6134.90	6407.40 Final Station Closure Distance= 6145.17 /Direction= 266.92
8570.00	90.20	271.16	2813.64	-330.53	-6136.28	6134.90	6407.40 Projection to Bit: 8570.00' MD/ 2813.64' TVD
8570.00	90.20	271.16	2813.64	-330.53	-6136.28	6134.90	6407.40 TD: Latitude = 32.614032 / Longitude = -104.498373
8570.00	90.20	271.16	2813.64	-330.53	-6136.28	6134.90	6407.40 TD: Y= 587155.17 / X= 490520.92

DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Final Bit Proj. @ 8570' MD	-330.53	-6136.28	587155.17	490520.92	32.614032	-104.498373
4H: LTP (100' FWL) @ 8486.49' MD	-332.19	-6052.78	587153.51	490604.42	32.614028	-104.498102
4H: FTP (100' FEL) @ 3384.75' MD	-339.39	-952.93	587145.71	495704.27	32.614027	-104.481539



Azinuths to Grid North
True North: 0.08°
Magnetic North: 7.23°

Magnetic Field
Strength: 47827 Gauss
Dip Angle: 60.25°
Date: 10/28/2019
Model: IGRF2015

PROJECT DETAILS: Eddy County, NM (NAD 83 - NME)

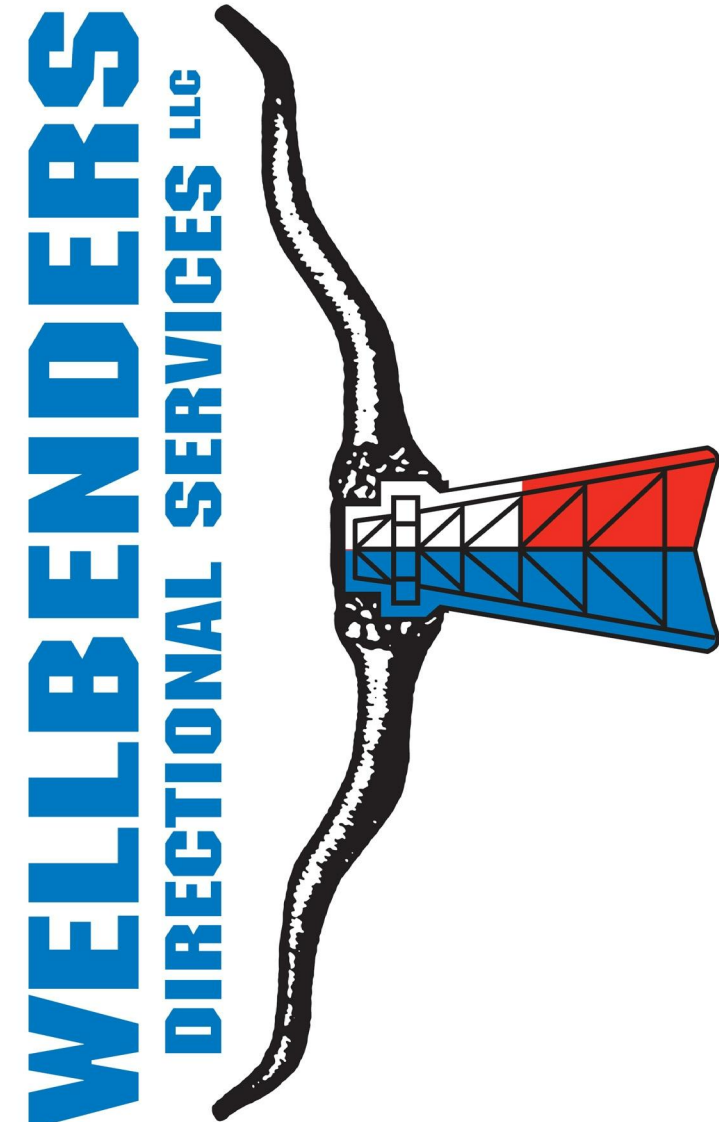
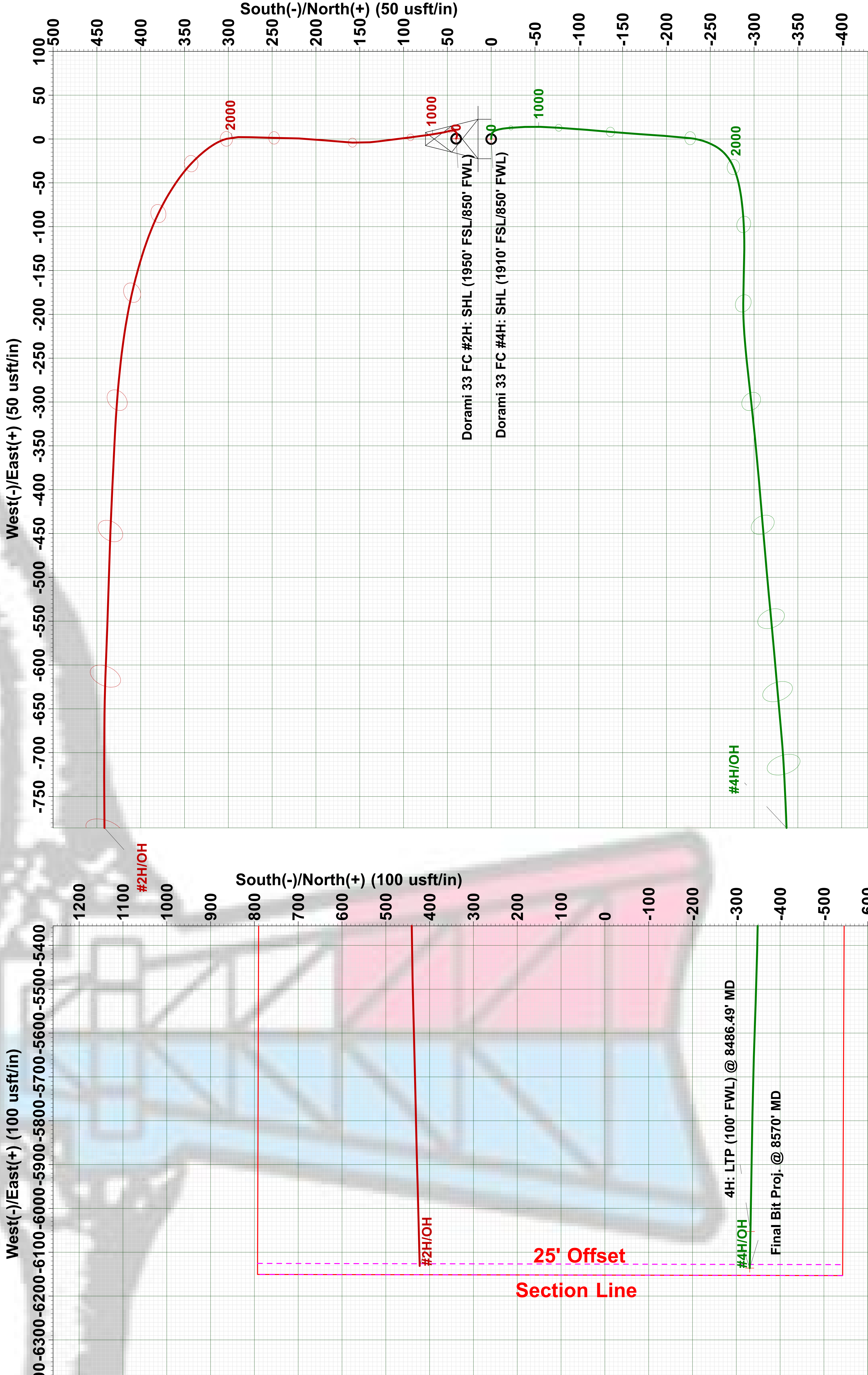
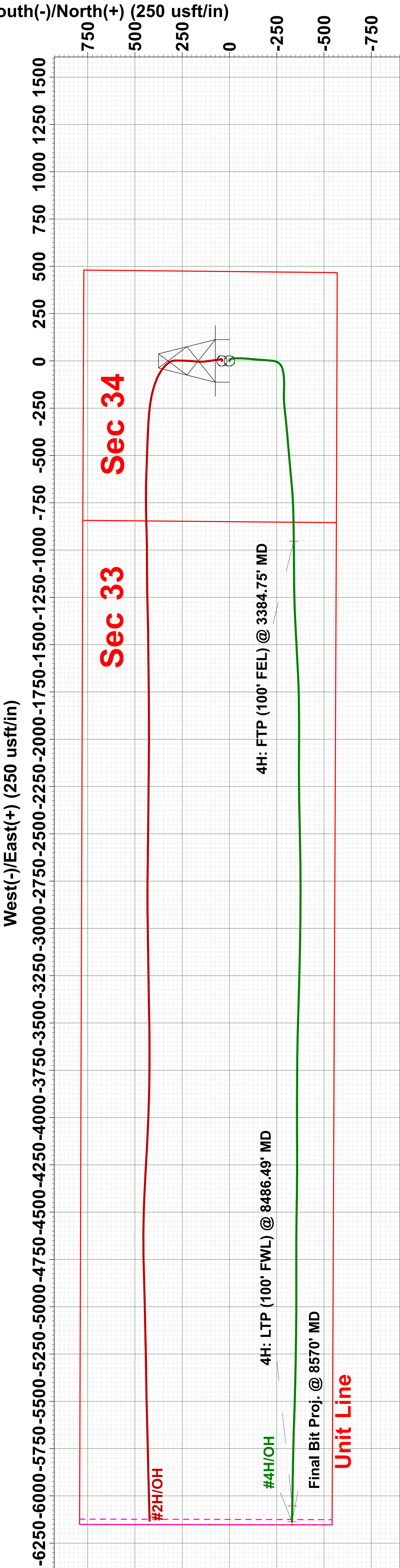
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

4H: FTP (100' FEL) @ 3384.75' MD

Final Station Closure Distance= 6145.17 /Direction= 266.92
Projection to Bit: 8570.00' MD/ 2813.64' TVD
TD: Latitude = 32.614032 / Longitude = -104.498373
TD: Y= 587155.17 / X= 490520.92

4H: LTP (100' FWL) @ 8486.49' MD

Vertical Section at 270.23° (200 usft/in)



Disclaimer:
All Plan Details, boundary lines and offset well location/ survey data is provided to customer and subject to customer approval.

Design: OH (#4H/OH)

Created By: Derek Stephens Date: 7:13, February 06 2020



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **01/28/20** thru **02/05/20** conduct or supervise the taking of a **MWD Survey** from a depth of **164'** to a depth of **8570'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Spur Energy Partners** for the **Dorami 33 Fed Com 4H** API No. **30-015-46012** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Larry
Wright

Digitally signed
by Larry Wright
Date:
2020.02.06
14:21:51 -06'00'



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Dorami 33 Fed Com

#4H

OH

Design: OH

End Of Well Report

06 February, 2020

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3549.00usft (Akita 57)
Site:	Dorami 33 Fed Com	MD Reference:	RKB=20' @ 3549.00usft (Akita 57)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Project	Eddy County, NM (NAD 83 - NME)	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Dorami 33 Fed Com		
Site Position:		Northing:	587,525.70 usft
From:	Map	Easting:	496,657.60 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.615075
		Longitude:	-104.478445
		Grid Convergence:	-0.078 °

Well	#4H				
Well Position	+N/-S	0.00 usft	Latitude:	32.614965	
	+E/-W	0.00 usft	Longitude:	-104.478446	
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	3,529.00 usft

Wellbore		OH			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/28/2019	7.148	60.246	47,827.86460080

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)	Direction (°)
		0.00	0.00	0.00	270.23

Survey Program	Date	2/6/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
164.00	8,570.00	Survey #1 (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM

Company: Spur Energy Partners, LLC				Local Co-ordinate Reference:							
Project: Eddy County, NM (NAD 83 - NME)				TVD Reference:							
Site: Dorami 33 Fed Corn				MD Reference:							
Well: #4H				North Reference:							
Wellbore: OH				Survey Calculation Method:							
Design: OH				Database:							
				Well #4H							
				RKB=20' @ 3549.00usft (Akita 57)							
				RKB=20' @ 3549.00usft (Akita 57)							
				Grid							
				Minimum Curvature							
				WBDS_SQL_2							
Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164.00	0.97	93.53	163.99	-0.09	1.39	-1.39	164.00	93.53	0.59	0.59	0.59
286.00	0.97	94.85	285.97	-0.24	3.45	-3.45	122.00	94.19	0.02	0.02	0.02
407.00	1.27	105.40	406.95	-0.68	5.76	-5.76	121.00	100.83	0.30	0.30	0.30
529.00	1.93	136.78	528.91	-2.54	8.47	-8.48	122.00	124.40	0.88	0.88	0.88
650.00	5.14	167.01	649.67	-9.30	11.08	-11.12	121.00	158.88	2.98	2.98	2.98
771.00	7.56	176.33	769.92	-22.53	12.81	-12.90	121.00	172.56	2.17	2.17	2.17
894.00	7.52	176.59	891.86	-38.64	13.81	-13.96	123.00	176.46	0.04	0.04	0.04
1,016.00	8.97	182.04	1,012.59	-56.12	13.94	-14.17	122.00	179.55	1.35	1.35	1.35
1,137.00	10.95	183.89	1,131.76	-77.01	12.83	-13.14	121.00	183.06	1.66	1.66	1.66
1,223.00	10.75	184.15	1,216.23	-93.16	11.69	-12.07	86.00	184.02	0.24	0.24	0.24
1,306.00	10.81	184.32	1,297.76	-108.64	10.55	-10.98	83.00	184.24	0.08	0.08	0.08
1,432.00	14.42	185.47	1,420.70	-136.05	8.16	-8.71	126.00	184.98	2.87	2.87	2.87
1,558.00	13.80	183.45	1,542.90	-166.67	5.76	-6.43	126.00	184.48	0.63	0.63	0.63
1,684.00	13.71	184.32	1,665.29	-196.56	3.73	-4.52	126.00	183.88	0.18	0.18	0.18
1,811.00	14.24	185.99	1,788.53	-227.10	0.97	-1.88	127.00	185.17	0.52	0.52	0.52
1,936.00	14.02	209.46	1,909.84	-255.60	-8.09	7.06	125.00	197.63	4.56	4.56	4.56
1,999.00	14.59	228.27	1,970.92	-267.53	-17.77	16.70	63.00	219.05	7.40	7.40	7.40
2,062.00	16.53	246.46	2,031.65	-276.40	-31.92	30.81	63.00	237.92	8.29	8.29	8.29
2,125.00	19.30	257.10	2,091.60	-282.30	-50.29	49.16	63.00	252.18	6.79	6.79	6.79
2,188.00	22.20	263.16	2,150.52	-286.05	-72.26	71.12	63.00	260.33	5.72	5.72	5.72
2,251.00	25.10	266.85	2,208.22	-288.20	-97.43	96.27	63.00	265.11	5.17	5.17	5.17
2,314.00	27.43	270.46	2,264.72	-288.82	-125.29	124.13	63.00	268.73	4.48	4.48	4.48
2,377.00	29.45	271.78	2,320.11	-288.22	-155.28	154.12	63.00	271.14	3.36	3.36	3.36
2,440.00	31.96	270.37	2,374.28	-287.63	-187.44	186.29	63.00	271.05	4.14	4.14	4.14
2,503.00	34.95	265.80	2,426.84	-288.84	-222.12	220.96	63.00	267.99	6.20	6.20	6.20
2,566.00	37.93	263.69	2,477.52	-292.29	-259.38	258.20	63.00	264.71	5.13	5.13	5.13

Company: Spur Energy Partners, LLC Project: Eddy County, NM (NAD 83 - NME) Site: Dorami 33 Fed Corn Well: #4H Wellbore: OH Design: OH				Local Co-ordinate Reference: TVD Reference: RKB=20' @ 3549.00usft (Akita 57) MD Reference: RKB=20' @ 3549.00usft (Akita 57) North Reference: Grid Survey Calculation Method: Minimum Curvature Database: WBDS_SQL_2						
Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
2,629.00	41.27	263.78	2,526.06	-296.67	-299.29	298.10	63.00	263.74	5.30	
2,692.00	45.36	264.31	2,571.89	-301.15	-342.27	341.05	63.00	264.06	6.52	
2,756.00	50.95	265.01	2,614.56	-305.57	-389.72	388.49	64.00	264.68	8.77	
2,819.00	55.65	265.27	2,652.20	-309.85	-440.03	438.79	63.00	265.14	7.47	
2,882.00	58.68	264.92	2,686.36	-314.38	-492.77	491.50	63.00	265.09	4.83	
2,914.00	60.26	264.66	2,702.62	-316.88	-520.22	518.94	32.00	264.79	4.99	
2,945.00	60.79	264.57	2,717.87	-319.41	-547.09	545.80	31.00	264.61	1.73	
2,977.00	61.45	264.83	2,733.32	-322.00	-574.99	573.69	32.00	264.70	2.18	
3,009.00	61.93	265.10	2,748.50	-324.47	-603.05	601.74	32.00	264.97	1.67	
3,040.00	61.89	265.01	2,763.10	-326.83	-630.30	628.98	31.00	265.06	0.29	
3,072.00	60.79	264.83	2,778.44	-329.32	-658.27	656.94	32.00	264.92	3.47	
3,104.00	61.45	265.18	2,793.90	-331.76	-686.18	684.84	32.00	265.01	2.27	
3,135.00	64.26	266.68	2,808.04	-333.71	-713.69	712.35	31.00	265.94	10.03	
3,199.00	67.91	267.82	2,833.98	-336.51	-772.12	770.76	64.00	267.26	5.93	
3,262.00	75.16	269.14	2,853.92	-338.08	-831.81	830.45	63.00	268.49	11.68	
3,325.00	81.71	269.05	2,866.55	-339.05	-893.49	892.12	63.00	269.09	10.40	
3,388.00	87.52	269.14	2,872.46	-340.04	-956.18	954.81	63.00	269.10	9.22	
3,451.00	89.05	269.67	2,874.34	-340.69	-1,019.15	1,017.77	63.00	269.41	2.57	
3,578.00	91.16	269.67	2,874.11	-341.43	-1,146.14	1,144.76	127.00	269.67	1.66	
3,705.00	92.13	268.35	2,870.46	-343.62	-1,273.06	1,271.67	127.00	269.01	1.29	
3,831.00	88.31	266.94	2,869.98	-348.80	-1,398.93	1,397.52	126.00	267.64	3.23	
3,957.00	89.85	266.85	2,872.00	-355.62	-1,524.72	1,523.28	126.00	266.89	1.22	
4,083.00	91.47	267.12	2,870.55	-362.25	-1,650.54	1,649.07	126.00	266.98	1.30	
4,209.00	90.64	268.96	2,868.23	-366.55	-1,776.43	1,774.95	126.00	268.04	1.60	
4,357.00	92.44	269.93	2,864.25	-367.99	-1,924.37	1,922.87	148.00	269.44	1.38	
4,483.00	90.59	270.37	2,860.92	-367.66	-2,050.32	2,048.82	126.00	270.15	1.51	
4,609.00	91.60	270.02	2,858.52	-367.23	-2,176.29	2,174.80	126.00	270.20	0.85	

Company: Spur Energy Partners, LLC			Local Co-ordinate Reference:						
Project: Eddy County, NM (NAD 83 - NME)			TVD Reference:						
Site: Dorami 33 Fed Corn			MD Reference:						
Well: #4H			North Reference:						
Wellbore: OH			Survey Calculation Method:						
Design: OH			Database:						
Well #4H			RKB=20' @ 3549.00usft (Akita 57)						
			RKB=20' @ 3549.00usft (Akita 57)						
			Grid						
			Minimum Curvature						
			WBDS_SQL_2						
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
4,735.00	91.47	269.14	2,855.14	-368.15	-2,302.24	2,300.74	126.00	269.58	0.71
4,861.00	90.51	268.70	2,852.96	-370.53	-2,428.20	2,426.69	126.00	268.92	0.84
4,987.00	89.58	268.79	2,852.86	-373.29	-2,554.17	2,552.65	126.00	268.75	0.74
5,114.00	90.55	269.49	2,852.72	-375.19	-2,681.15	2,679.62	127.00	269.14	0.94
5,240.00	91.82	270.02	2,850.11	-375.73	-2,807.12	2,805.59	126.00	269.75	1.09
5,366.00	89.71	270.55	2,848.43	-375.10	-2,933.10	2,931.57	126.00	270.29	1.73
5,490.00	91.12	270.81	2,847.53	-373.63	-3,057.08	3,055.56	124.00	270.68	1.16
5,615.00	89.05	271.51	2,847.35	-371.10	-3,182.05	3,180.53	125.00	271.16	1.75
5,741.00	90.42	271.42	2,847.93	-367.88	-3,308.00	3,306.50	126.00	271.46	1.09
5,871.00	91.60	271.86	2,845.64	-364.16	-3,437.93	3,436.44	130.00	271.64	0.97
5,994.00	91.56	271.34	2,842.25	-360.73	-3,560.83	3,559.36	123.00	271.60	0.42
6,115.00	91.60	270.63	2,838.91	-358.65	-3,681.77	3,680.30	121.00	270.99	0.59
6,237.00	91.38	270.37	2,835.74	-357.59	-3,803.72	3,802.26	122.00	270.50	0.28
6,359.00	90.59	269.93	2,833.64	-357.27	-3,925.70	3,924.24	122.00	270.15	0.74
6,480.00	90.20	269.93	2,832.81	-357.41	-4,046.70	4,045.23	121.00	269.93	0.32
6,601.00	89.76	269.84	2,832.85	-357.66	-4,167.70	4,166.23	121.00	269.89	0.37
6,723.00	90.46	270.11	2,832.62	-357.71	-4,289.70	4,288.23	122.00	269.97	0.61
6,845.00	91.21	270.90	2,830.84	-356.63	-4,411.68	4,410.21	122.00	270.50	0.89
6,967.00	90.68	270.90	2,828.83	-354.72	-4,533.65	4,532.18	122.00	270.90	0.43
7,088.00	90.33	270.28	2,827.76	-353.47	-4,654.63	4,653.18	121.00	270.59	0.59
7,211.00	90.68	269.84	2,826.68	-353.34	-4,777.63	4,776.17	123.00	270.06	0.46
7,337.00	91.30	270.02	2,824.50	-353.50	-4,903.61	4,902.15	126.00	269.93	0.51
7,461.00	90.42	270.02	2,822.64	-353.45	-5,027.59	5,026.13	124.00	270.02	0.71
7,587.00	90.51	271.16	2,821.61	-352.16	-5,153.58	5,152.12	126.00	270.59	0.91
7,713.00	90.11	270.72	2,820.93	-350.09	-5,279.56	5,278.11	126.00	270.94	0.47
7,839.00	90.46	271.51	2,820.31	-347.64	-5,405.53	5,404.10	126.00	271.11	0.69
7,965.00	90.33	271.78	2,819.44	-344.02	-5,531.48	5,530.05	126.00	271.65	0.24

Company: Spur Energy Partners, LLC		Local Co-ordinate Reference:		Well #4H
Project: Eddy County, NM (NAD 83 - NME)		TVD Reference:		RKB=20' @ 3549.00usft (Akita 57)
Site: Dorami 33 Fed Corn		MD Reference:		RKB=20' @ 3549.00usft (Akita 57)
Well: #4H		North Reference:		Grid
Wellbore: OH		Survey Calculation Method:		Minimum Curvature
Design: OH		Database:		WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	D Leg (°/100ft)
8,089.00	90.46	271.95	2,818.58	-339.99	-5,655.41	5,654.00	124.00	271.86	0.17
8,215.00	90.02	270.90	2,818.06	-336.85	-5,781.37	5,779.97	126.00	271.42	0.90
8,341.00	91.38	271.07	2,816.52	-334.69	-5,907.34	5,905.95	126.00	270.98	1.09
8,467.00	90.73	270.90	2,814.20	-332.52	-6,033.30	6,031.91	126.00	270.98	0.53
8,509.00	90.20	271.16	2,813.86	-331.77	-6,075.29	6,073.91	42.00	271.03	1.41
8,570.00	90.20	271.16	2,813.64	-330.53	-6,136.28	6,134.90	61.00	271.16	0.00
Final Station Closure Distance= 6145.17 /Direction= 266.92 - Projection to Bit: 8570.00' MD/ 2813.64' TVD - TD: Latitude = 32.614032 / Longitude = -104.498373 - TD: Y= 587155.17 / X= 490520.92									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		
		+N/-S (usft)	+E/-W (usft)	Comment
8,570.00	2,813.64	-330.53	-6,136.28	Final Station Closure Distance= 6145.17 /Direction= 266.92
8,570.00	2,813.64	-330.53	-6,136.28	Projection to Bit: 8570.00' MD/ 2813.64' TVD
8,570.00	2,813.64	-330.53	-6,136.28	TD: Latitude = 32.614032 / Longitude = -104.498373
8,570.00	2,813.64	-330.53	-6,136.28	TD: Y= 587155.17 / X= 490520.92

Checked By: _____	Approved By: _____	Date: _____
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