

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

DISTRICT II
811 S. First St., Artesia, NM 88210
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

EMNRD-OCD ARTESIA Form C-102
REC'D: 5/28/2020 Revised August 1, 2011
Submit one copy to appropriate District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-46010	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA YESO
Property Code 325845	Property Name DORAMI 33 FED COM	Well Number 2H
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		1950	SOUTH	850	WEST	EDDY

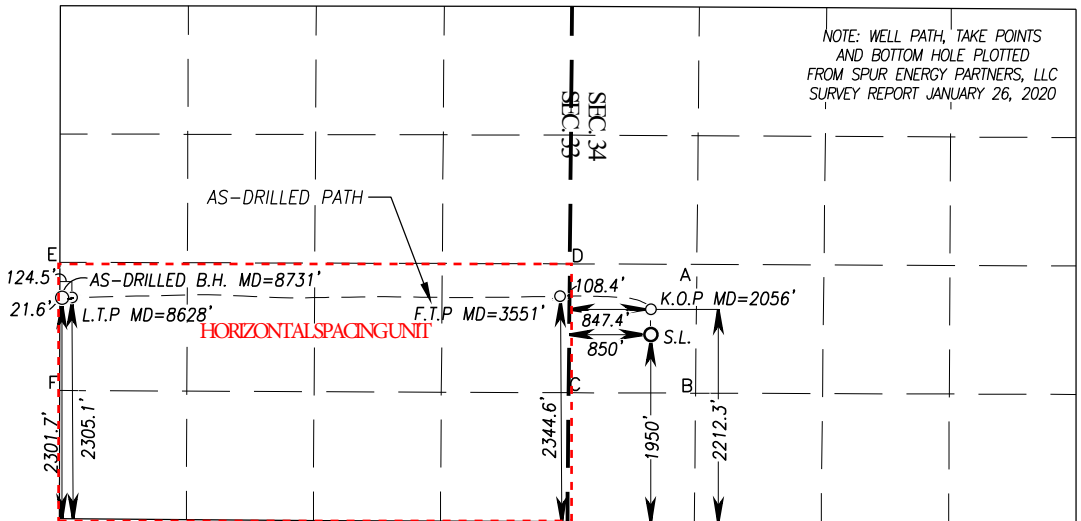
AS-Drilled Bottom Hole Location If Different From Surface

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		2301.7	SOUTH	21.6	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	LAST TAKE POINT NAD 27 NME	FIRST TAKE POINT NAD 27 NME	KICK OFF POINT NAD 27 NME	GEODETIC COORDINATES NAD 27 NME
Y= 587847.7 N X= 449349.1 E LAT.=32.615990° N LONG.=104.497835° W	Y= 587850.4 N X= 449452.0 E LAT.=32.615997° N LONG.=104.497501° W	Y= 587862.6 N X= 454524.6 E LAT.=32.616051° N LONG.=104.481027° W	Y= 587727.2 N X= 455478.9 E LAT.=32.615683° N LONG.=104.477927° W	Y= 587465.0 N X= 455479.1 E LAT.=32.614962° N LONG.=104.477925° W
AS- DRILLED BOTTOM HOLE LOCATION NAD 83 NME	LAST TAKE POINT NAD 83 NME	FIRST TAKE POINT NAD 83 NME	KICK OFF POINT NAD 83 NME	GEODETIC COORDINATES NAD 83 NME
Y= 587908.3 N X= 490527.5 E LAT.=32.616103° N LONG.=104.498356° W	Y= 587911.0 N X= 490630.4 E LAT.=32.616110° N LONG.=104.498022° W	Y= 587923.3 N X= 495703.0 E LAT.=32.616165° N LONG.=104.481547° W	Y= 587787.9 N X= 496657.4 E LAT.=32.615796° N LONG.=104.478446° W	Y= 587525.7 N X= 496657.6 E LAT.=32.615075° N LONG.=104.478445° W

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

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

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 05/28/2020
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.

OCTOBER 04, 2018
Date of Survey
Signature of Professional Surveyor

Gary G. Eidson
Signature of Professional Surveyor

12641
Certificate Number
GARY G. EIDSON
Name
RONALD J. EIDSON
Name

Gary G. Eidson 3/30/2020
Certificate Number Date

12641
Certificate Number
GARY G. EIDSON
Name
RONALD J. EIDSON
Name

LSL Rel. W.o. 18.11.0954 JWSC W.O.: 20.13.0171

Intent ☐ As Drilled ☐API #

Operator Name:	Property Name:	Well Number
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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
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I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **01/17/20** thru **01/26/20** conduct or supervise the taking of a **MWD Survey** from a depth of **162'** to a depth of **8731'**; 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 2H** API No. **30-015-46010** 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:
2020.01.27
11:31:20 -06'00'



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Dorami 33 Fed Com

#2H

OH

Design: OH

End Of Well Report

27 January, 2020



Wellbenders End Of Well Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3549.00usft
Site:	Dorami 33 Fed Com	MD Reference:	RKB=20' @ 3549.00usft
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Project	Eddy County, NM (NAD 83 - NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
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		#2H				
Well Position	+N/-S	0.00 usft	Northing:	587,525.70 usft	Latitude:	32.615075
	+E/-W	0.00 usft	Easting:	496,657.60 usft	Longitude:	-104.478445
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	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	47,827.92936627

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	270.18

Survey Program	Date	1/27/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
162.00	8,731.00	Survey #1 (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM



Wellbenders End Of Well Report

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Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3549.00usft
Site:	Dorami 33 Fed Com	MD Reference:	RKB=20' @ 3549.00usft
Well:	#2H	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 (°)	DLeg (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.00	0.84	110.15	161.99	-0.41	1.11	-1.12	162.00	110.15	0.52
284.00	0.97	95.65	283.98	-0.82	2.98	-2.98	122.00	102.38	0.22
405.00	1.05	87.12	404.96	-0.86	5.11	-5.11	121.00	91.22	0.14
527.00	1.58	52.67	526.93	0.21	7.56	-7.56	122.00	66.32	0.76
648.00	1.58	16.81	647.89	2.82	9.37	-9.36	121.00	34.74	0.80
770.00	2.15	340.16	769.83	6.58	9.08	-9.06	122.00	355.59	1.06
892.00	4.92	347.89	891.58	13.85	7.21	-7.16	122.00	345.54	2.30
1,014.00	9.36	351.67	1,012.61	28.79	4.67	-4.58	122.00	350.37	3.66
1,135.00	13.05	352.73	1,131.28	52.09	1.51	-1.35	121.00	352.29	3.05
1,228.00	13.05	353.17	1,221.88	72.93	-1.06	1.29	93.00	352.95	0.11
1,300.00	13.05	352.29	1,292.02	89.05	-3.12	3.40	72.00	352.73	0.28
1,426.00	13.98	2.13	1,414.54	118.36	-4.46	4.83	126.00	357.38	1.97
1,552.00	14.73	7.05	1,536.61	149.47	-1.93	2.40	126.00	4.65	1.14
1,678.00	12.88	0.99	1,658.98	179.42	0.28	0.29	126.00	4.22	1.86
1,805.00	12.97	1.61	1,782.76	207.82	0.92	-0.27	127.00	1.30	0.13
1,930.00	12.44	1.61	1,904.70	235.30	1.70	-0.96	125.00	1.61	0.42
1,993.00	12.31	359.32	1,966.23	248.79	1.81	-1.02	63.00	0.47	0.81
2,056.00	12.79	344.03	2,027.75	262.22	-0.19	1.02	63.00	351.53	5.31
2,119.00	14.29	329.26	2,089.01	275.61	-6.09	6.95	63.00	336.24	5.96
2,182.00	16.31	319.94	2,149.78	289.07	-15.76	16.67	63.00	324.30	5.04
2,245.00	17.76	313.35	2,210.02	302.43	-28.44	29.39	63.00	316.51	3.83
2,308.00	19.87	306.23	2,269.66	315.36	-44.07	45.06	63.00	309.60	4.94
2,371.00	22.15	301.14	2,328.47	327.83	-62.87	63.90	63.00	303.55	4.63
2,434.00	25.71	295.69	2,386.06	339.90	-85.36	86.43	63.00	298.22	6.65
2,497.00	28.75	290.41	2,442.08	351.12	-111.89	112.99	63.00	292.91	6.16
2,560.00	32.04	286.28	2,496.42	361.09	-142.14	143.27	63.00	288.24	6.18



Wellbenders End Of Well Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3549.00usft
Site:	Dorami 33 Fed Com	MD Reference:	RKB=20' @ 3549.00usft
Well:	#2H	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 (°)	DLeg (°/100ft)	
2,623.00	34.59	283.03	2,549.06	369.81	-175.61	176.77	63.00	284.60	4.94	
2,686.00	39.03	279.34	2,599.50	377.06	-212.63	213.81	63.00	281.09	7.87	
2,750.00	42.99	276.44	2,647.79	382.78	-254.22	255.42	64.00	277.83	6.86	
2,813.00	46.20	274.33	2,692.64	386.91	-298.24	299.46	63.00	275.36	5.61	
2,876.00	50.20	272.84	2,734.63	389.83	-345.11	346.33	63.00	273.56	6.59	
2,940.00	53.93	272.75	2,773.97	392.29	-395.51	396.75	64.00	272.79	5.83	
3,003.00	57.54	272.31	2,809.43	394.58	-447.52	448.76	63.00	272.53	5.76	
3,066.00	60.62	271.52	2,841.80	396.38	-501.53	502.77	63.00	271.91	5.01	
3,129.00	61.58	272.22	2,872.25	398.18	-556.65	557.90	63.00	271.87	1.81	
3,193.00	62.24	272.04	2,902.38	400.28	-613.08	614.33	64.00	272.13	1.06	
3,256.00	65.76	270.37	2,930.00	401.46	-669.68	670.93	63.00	271.19	6.07	
3,319.00	71.56	270.11	2,952.91	401.70	-728.33	729.59	63.00	270.24	9.21	
3,382.00	75.43	269.32	2,970.81	401.40	-788.72	789.98	63.00	269.71	6.26	
3,446.00	78.73	268.44	2,985.11	400.17	-851.08	852.33	64.00	268.88	5.33	
3,509.00	81.45	268.44	2,995.96	398.49	-913.11	914.36	63.00	268.44	4.32	
3,542.42	82.73	268.86	3,000.55	397.71	-946.20	947.45	33.42	268.65	4.04	
FTP (100' FEL) @ 3542.42' MD										
3,572.00	83.87	269.23	3,004.00	397.22	-975.58	976.82	29.58	269.05	4.04	
3,635.00	86.15	269.76	3,009.48	396.66	-1,038.33	1,039.57	63.00	269.50	3.71	
3,699.00	89.10	269.58	3,012.14	396.30	-1,102.27	1,103.51	64.00	269.67	4.62	
3,762.00	90.02	269.58	3,012.62	395.83	-1,165.27	1,166.50	63.00	269.58	1.46	
3,825.00	92.09	269.25	3,011.46	395.19	-1,228.25	1,229.48	63.00	269.42	3.33	
3,951.00	91.21	268.18	3,007.83	392.37	-1,354.16	1,355.39	126.00	268.71	1.10	
4,026.00	92.35	269.32	3,005.50	390.73	-1,429.10	1,430.32	75.00	268.75	2.15	
4,103.00	92.75	269.41	3,002.08	389.88	-1,506.02	1,507.24	77.00	269.36	0.53	
4,229.00	90.15	269.14	2,998.89	388.28	-1,631.96	1,633.17	126.00	269.27	2.07	
4,355.00	90.59	269.50	2,998.07	386.79	-1,757.95	1,759.16	126.00	269.32	0.45	



Wellbenders End Of Well Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3549.00usft
Site:	Dorami 33 Fed Com	MD Reference:	RKB=20' @ 3549.00usft
Well:	#2H	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 (°)	DLeg (°/100ft)
4,481.00	91.03	269.85	2,996.29	386.07	-1,883.93	1,885.14	126.00	269.67	0.45
4,607.00	91.43	269.94	2,993.59	385.84	-2,009.91	2,011.11	126.00	269.89	0.33
4,733.00	92.00	270.90	2,989.82	386.77	-2,135.84	2,137.05	126.00	270.42	0.89
4,859.00	90.73	270.37	2,986.82	388.16	-2,261.80	2,263.01	126.00	270.63	1.09
4,985.00	91.43	270.81	2,984.44	389.46	-2,387.77	2,388.98	126.00	270.59	0.66
5,111.00	90.15	270.46	2,982.70	390.86	-2,513.74	2,514.96	126.00	270.63	1.05
5,237.00	90.73	270.81	2,981.74	392.25	-2,639.73	2,640.95	126.00	270.63	0.54
5,363.00	90.81	270.73	2,980.04	393.94	-2,765.71	2,766.93	126.00	270.77	0.09
5,488.00	90.81	269.32	2,978.28	394.00	-2,890.69	2,891.92	125.00	270.02	1.13
5,613.00	91.74	269.14	2,975.49	392.32	-3,015.65	3,016.87	125.00	269.23	0.76
5,738.00	90.64	268.79	2,972.90	390.06	-3,140.60	3,141.81	125.00	268.96	0.92
5,864.00	91.60	269.67	2,970.44	388.37	-3,266.56	3,267.77	126.00	269.23	1.03
5,990.00	88.48	268.44	2,970.35	386.29	-3,392.53	3,393.72	126.00	269.05	2.66
6,114.00	88.88	269.23	2,973.20	383.77	-3,516.47	3,517.66	124.00	268.84	0.71
6,235.00	89.36	270.20	2,975.06	383.17	-3,637.45	3,638.64	121.00	269.72	0.89
6,356.00	90.11	270.20	2,975.62	383.59	-3,758.45	3,759.63	121.00	270.20	0.62
6,478.00	90.81	271.43	2,974.64	385.33	-3,880.43	3,881.62	122.00	270.81	1.16
6,599.00	91.30	272.31	2,972.41	389.27	-4,001.34	4,002.54	121.00	271.87	0.83
6,720.00	91.43	273.01	2,969.53	394.89	-4,122.18	4,123.40	121.00	272.66	0.59
6,842.00	91.91	273.10	2,965.98	401.39	-4,243.95	4,245.19	122.00	273.05	0.40
6,964.00	90.59	273.01	2,963.32	407.89	-4,365.74	4,367.00	122.00	273.05	1.08
7,086.00	90.55	271.87	2,962.10	413.08	-4,487.63	4,488.90	122.00	272.44	0.93
7,207.00	91.16	270.64	2,960.30	415.73	-4,608.58	4,609.86	121.00	271.26	1.13
7,330.00	91.43	268.70	2,957.52	415.02	-4,731.54	4,732.82	123.00	269.67	1.59
7,454.00	91.74	268.27	2,954.09	411.75	-4,855.45	4,856.72	124.00	268.49	0.43
7,580.00	91.96	268.97	2,950.02	408.71	-4,981.35	4,982.61	126.00	268.62	0.58
7,706.00	92.04	268.44	2,945.62	405.87	-5,107.24	5,108.49	126.00	268.71	0.43



Wellbenders End Of Well Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3549.00usft
Site:	Dorami 33 Fed Com	MD Reference:	RKB=20' @ 3549.00usft
Well:	#2H	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 (°)	DLeg (°/100ft)	
7,832.00	92.00	268.88	2,941.18	402.92	-5,233.12	5,234.36	126.00	268.66	0.35	
7,958.00	91.16	269.23	2,937.71	400.85	-5,359.06	5,360.29	126.00	269.06	0.72	
8,082.00	91.74	269.06	2,934.57	399.00	-5,483.00	5,484.23	124.00	269.15	0.49	
8,208.00	89.63	268.00	2,933.06	395.76	-5,608.94	5,610.16	126.00	268.53	1.87	
8,334.00	91.12	269.14	2,932.24	392.62	-5,734.90	5,736.10	126.00	268.57	1.49	
8,460.00	90.81	268.35	2,930.11	389.86	-5,860.85	5,862.04	126.00	268.74	0.67	
8,586.00	91.65	268.53	2,927.41	386.43	-5,986.77	5,987.96	126.00	268.44	0.68	
8,651.02	92.04	268.53	2,925.32	384.76	-6,051.74	6,052.91	65.02	268.53	0.60	
LTP (100' FWL) @ 8651.02' MD										
8,659.00	92.09	268.53	2,925.03	384.56	-6,059.71	6,060.89	7.98	268.53	0.60	
8,731.00	92.09	268.53	2,922.40	382.71	-6,131.64	6,132.81	72.00	268.53	0.00	
Final Station Closure Distance= 6143.57 /Direction= 273.57 - Projection to Bit: 8731.00' MD/ 2922.40' TVD - TD: Latitude = 32.616103 / Longitude = -104.498361 - TD: Y= 587908.41 / X= 490525.96										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,542.42	3,000.55	397.71	-946.20	FTP (100' FEL) @ 3542.42' MD
8,651.02	2,925.32	384.76	-6,051.74	LTP (100' FWL) @ 8651.02' MD
8,731.00	2,922.40	382.71	-6,131.64	Final Station Closure Distance= 6143.57 /Direction= 273.57
8,731.00	2,922.40	382.71	-6,131.64	Projection to Bit: 8731.00' MD/ 2922.40' TVD
8,731.00	2,922.40	382.71	-6,131.64	TD: Latitude = 32.616103 / Longitude = -104.498361
8,731.00	2,922.40	382.71	-6,131.64	TD: Y= 587908.41 / X= 490525.96

Checked By: _____	Approved By: _____	Date: _____
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