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JAN 27 2020

Form C-102

Revised August 1, 2011

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-8181 Fax: (505) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone (505) 748-1283 Fax: (505) 748-9720

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV

1226 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 478-3460 Fax: (505) 478-3462State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1226 South St. Francis Dr.
Santa Fe, New Mexico 87505

EMNRD-OCD ARTESIA

Submit one copy to appropriate
District Office

AS-Milled

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45803	Pool Code 50270	Pool Name Penasco Draw; SA-Yeso (Assoc.)
Property Code 325892	Property Name ROSE	Well Number 6H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS, LLC	Elevation 3379'

Surface Location

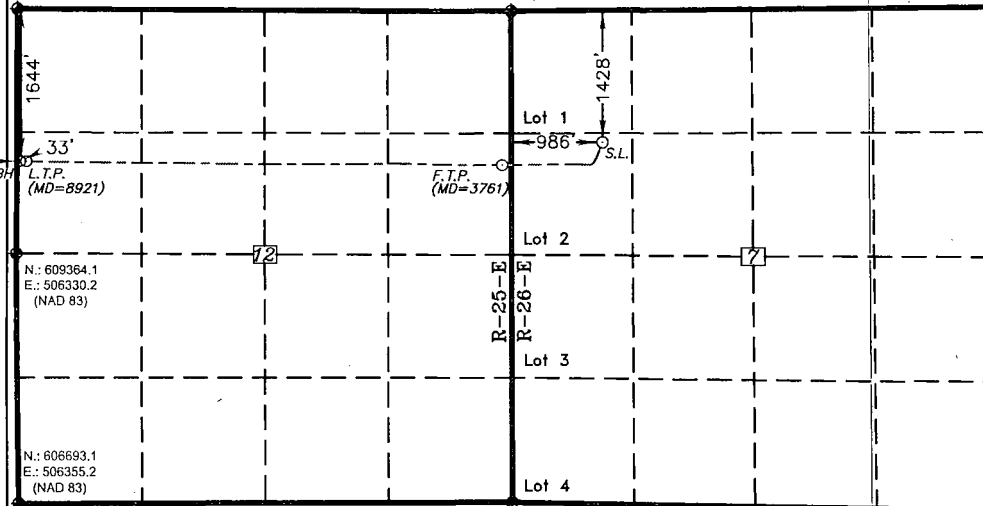
UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
LOT 2	7	19 S	26 E		1428	NORTH	986	WEST	EDDY

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
E	12	19 S	25 E		1644	NORTH	33	WEST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

BOTTOM HOLE LOCATION	LAST TAKE POINT	FIRST TAKE POINT	SURFACE LOCATION
Lat - N 32.677893° Long - W 104.446988° NMSPCE- N 610367.2 E 506367.7 (NAD-83)	1646' FNL & 100' FWL Lat - N 32.677888° Long - W 104.446770° NMSPCE- N 610365.3 E 506434.5 (NAD-83)	1664' FNL & 100' FEL Lat - N 32.677773° Long - W 104.429976° NMSPCE- N 610318.4 E 511601.8 (NAD-83)	Lat - N 32.678453° Long - W 104.426449° NMSPCE- N 510564.8 E 512687.2 (NAD-83)

N.: 612011.4
E.: 506341.6
(NAD 83)N.: 611982.2
E.: 511698.0
(NAD 83)N.: 612037.4
E.: 516921.5
(NAD 83)

OPERATOR CERTIFICATION

I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Ryan Barber Date: 1/24/20

Printed Name: Ryan Barber
Email Address: rbarber@spurepllc.com

Email Address

SURVEYOR CERTIFICATION

I hereby certify that the well location 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 Surveyed: 1/23/2019
Signature: Gary Jones
Professional Surveyor
Certificate Number: 7977
Basin: Artesia

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
WO Num.: 34262

Intent ☐ As Drilled ☒

API #
30-015-45803

Operator Name: SPUR ENERGY PARTNERS LLC	Property Name: ROSE	Well Number 6H
--	------------------------	-------------------

Kick Off Point (KOP)

UL 2	Section 7	Township 19S	Range 25E	Lot	Feet 1575	From N/S NORTH	Feet 929	From E/W WEST	County EDDY
Latitude 32.678049					Longitude -104.426633			NAD NAD83	

First Take Point (FTP)

UL H	Section 12	Township 19S	Range 25E	Lot	Feet 1664	From N/S NORTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.677773					Longitude -104.429976			NAD NAD83	

Last Take Point (LTP)

UL E	Section 12	Township 19S	Range 25E	Lot	Feet 1646	From N/S NORTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.677888					Longitude -104.446770			NAD NAD83	

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 #
30-015-45797

Operator Name: SPUR ENERGY PARTNERS LLC	Property Name: ROSE	Well Number 5H
--	------------------------	-------------------

KZ 06/29/2018



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EMNRD-OCD ARTESIA

I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **06/12/19** thru **06/21/19** conduct or supervise the taking of a **MWD Survey** from a depth of **223'** to a depth of **9000'**; 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 **Percussion Petroleum, LLC** for the **Rose 6H** API No. **30-015-45803** 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:
2019.12.13
11:15:53 -06'00'

1125 Beach Airport Rd, Conroe, Texas
77301
PH 936-756-3225 FAX 936-756-3248



PERCUSSION
PETROLEUM
LLC

Percussion Petroleum, LLC

Eddy County, NM

Rose

#6H

OH

Design: OH

End Of Well Report

21 June, 2019



Wellbenders End Of Well Report

Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County, NM	TVD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Site:	Rose	MD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Project	Eddy County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Rose		
Site Position:		Northing:	611,332.70 usft
From:	Map	Easting:	512,404.20 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.680563
		Longitude:	-104.427371
		Grid Convergence:	-0.051 °

Well	#6H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft		Wellhead Elevation:
			usft
			Latitude:
			32.678453
			Longitude:
			-104.426449
			Ground Level:
			3,379.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	3/8/2019	(°)
			7.199
			Dip Angle
			(°)
			60.320
			Field Strength
			(nT)
			47,937.90778146

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			270.31

Survey Program	Date 6/21/2019		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
223.00	9,000.00	Survey #1 (OH)	MWD+IGRF
			Description:
			OWSG MWD + IGRF or WMM



Wellbenders

End Of Well Report

Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County, NM	TVD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Site:	Rose	MD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Well:	#6H	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	
223.00	0.53	91.71	223.00	-0.03	1.03	-1.03	223.00	91.71	0.24	
313.00	2.11	166.68	312.97	-1.66	1.83	-1.84	90.00	153.85	2.26	
404.00	4.13	199.03	403.84	-6.38	1.15	-1.18	91.00	188.21	2.86	
495.00	4.44	200.08	494.59	-12.79	-1.13	1.06	91.00	199.57	0.35	
586.00	6.55	206.59	585.16	-20.74	-4.66	4.55	91.00	203.96	2.41	
678.00	7.25	211.33	676.50	-30.39	-10.03	9.87	92.00	209.08	0.98	
768.00	7.82	203.60	765.72	-40.85	-15.44	15.21	90.00	207.32	1.29	
859.00	8.04	201.05	855.85	-52.47	-20.20	19.92	91.00	202.31	0.46	
950.00	8.13	200.52	945.95	-64.43	-24.74	24.39	91.00	200.78	0.13	
1,041.00	8.13	200.17	1,036.03	-76.50	-29.22	28.80	91.00	200.34	0.05	
1,132.00	8.18	197.71	1,126.11	-88.71	-33.40	32.92	91.00	198.94	0.39	
1,205.00	8.13	197.88	1,198.38	-98.56	-36.57	36.03	73.00	197.79	0.08	
1,360.00	8.00	201.05	1,351.84	-119.06	-43.81	43.16	155.00	199.45	0.30	
1,454.00	9.54	205.44	1,444.74	-132.20	-49.50	48.79	94.00	203.44	1.79	
1,548.00	10.37	206.06	1,537.33	-146.84	-56.57	55.77	94.00	205.76	0.89	
1,642.00	10.02	206.50	1,629.84	-161.75	-63.93	63.06	94.00	206.28	0.38	
1,736.00	10.15	205.88	1,722.39	-176.53	-71.20	70.24	94.00	206.19	0.18	
1,830.00	10.15	206.76	1,814.92	-191.37	-78.54	77.50	94.00	206.32	0.16	
1,924.00	10.02	206.50	1,907.47	-206.09	-85.92	84.80	94.00	206.63	0.15	
2,019.00	9.36	209.13	2,001.11	-220.23	-93.37	92.17	95.00	207.77	0.84	
2,066.00	7.30	220.47	2,047.62	-225.84	-97.17	95.94	47.00	214.10	5.59	
2,113.00	6.11	227.06	2,094.29	-229.82	-100.94	99.69	47.00	223.47	3.01	
2,160.00	6.95	228.56	2,140.99	-233.40	-104.90	103.63	47.00	227.86	1.82	
2,207.00	7.12	235.15	2,187.64	-236.95	-109.42	108.14	47.00	231.89	1.75	
2,254.00	7.38	240.51	2,234.26	-240.10	-114.44	113.14	47.00	237.88	1.54	
2,301.00	8.00	249.74	2,280.84	-242.72	-120.13	118.82	47.00	245.31	2.94	



Wellbenders

End Of Well Report

Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County, NM	TVD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Site:	Rose	MD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Well:	#6H	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)
2,348.00	9.98	265.65	2,327.27	-244.16	-127.27	125.94	47.00	258.57	6.72
2,396.00	11.56	276.02	2,374.42	-243.97	-136.20	134.88	48.00	271.21	5.20
2,443.00	13.23	281.38	2,420.33	-242.42	-146.15	144.84	47.00	278.88	4.31
2,490.00	15.21	278.92	2,465.89	-240.40	-157.52	156.22	47.00	280.07	4.40
2,537.00	17.41	271.71	2,511.00	-239.23	-170.64	169.34	47.00	275.08	6.35
2,585.00	20.26	269.78	2,556.42	-239.05	-186.13	184.84	48.00	270.67	6.08
2,632.00	23.25	269.52	2,600.07	-239.16	-203.55	202.25	47.00	269.64	6.36
2,679.00	26.02	271.10	2,642.79	-239.04	-223.14	221.84	47.00	270.35	6.06
2,726.00	28.84	271.80	2,684.50	-238.49	-244.78	243.49	47.00	271.47	6.04
2,773.00	31.65	270.92	2,725.10	-237.93	-268.44	267.15	47.00	271.34	6.05
2,820.00	34.86	269.78	2,764.40	-237.79	-294.21	292.92	47.00	270.33	6.96
2,868.00	38.11	269.16	2,802.98	-238.06	-322.75	321.46	48.00	269.46	6.81
2,915.00	41.05	269.60	2,839.21	-238.38	-352.69	351.39	47.00	269.39	6.28
2,962.00	43.60	270.04	2,873.95	-238.47	-384.33	383.04	47.00	269.83	5.46
3,009.00	46.59	270.04	2,907.13	-238.45	-417.62	416.32	47.00	270.04	6.36
3,056.00	49.63	269.52	2,938.50	-238.59	-452.60	451.30	47.00	269.77	6.52
3,103.00	52.70	268.99	2,967.97	-239.07	-489.21	487.90	47.00	269.25	6.59
3,149.00	56.00	268.90	2,994.78	-239.76	-526.57	525.27	46.00	268.94	7.18
3,196.00	58.20	268.99	3,020.31	-240.48	-566.03	564.72	47.00	268.95	4.68
3,243.00	59.30	268.99	3,044.69	-241.19	-606.20	604.89	47.00	268.99	2.34
3,290.00	60.57	268.72	3,068.24	-242.00	-646.87	645.55	47.00	268.85	2.75
3,336.00	61.36	268.99	3,090.56	-242.81	-687.08	685.75	46.00	268.86	1.79
3,383.00	61.98	268.81	3,112.87	-243.60	-728.44	727.11	47.00	268.90	1.36
3,429.00	60.75	269.60	3,134.91	-244.16	-768.81	767.48	46.00	269.20	3.07
3,476.00	62.24	269.78	3,157.34	-244.39	-810.11	808.78	47.00	269.69	3.19
3,524.00	67.65	269.43	3,177.66	-244.69	-853.58	852.24	48.00	269.60	11.29
3,571.00	72.31	268.99	3,193.75	-245.30	-897.72	896.38	47.00	269.21	9.95



Wellbenders End Of Well Report

Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County, NM	TVD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Site:	Rose	MD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Well:	#6H	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)	
3,618.00	75.87	268.81	3,206.63	-246.17	-942.90	941.56	47.00	268.90	7.58	
3,665.00	79.03	269.25	3,216.84	-246.94	-988.77	987.42	47.00	269.03	6.79	
3,711.00	82.02	269.87	3,224.41	-247.29	-1,034.13	1,032.78	46.00	269.56	6.63	
3,804.00	88.18	270.13	3,232.35	-247.29	-1,126.75	1,125.39	93.00	270.00	6.63	
3,898.00	90.11	270.13	3,233.75	-247.08	-1,220.73	1,219.38	94.00	270.13	2.05	
3,992.00	91.30	270.22	3,232.60	-246.79	-1,314.72	1,313.37	94.00	270.17	1.27	
4,019.00	91.56	270.48	3,231.92	-246.62	-1,341.72	1,340.36	27.00	270.35	1.36	
4,113.00	91.12	270.92	3,229.72	-245.48	-1,435.68	1,434.33	94.00	270.70	0.66	
4,207.00	90.11	270.83	3,228.72	-244.04	-1,529.66	1,528.32	94.00	270.87	1.08	
4,301.00	90.73	271.01	3,228.03	-242.53	-1,623.65	1,622.31	94.00	270.92	0.69	
4,395.00	89.45	271.27	3,227.88	-240.66	-1,717.63	1,716.30	94.00	271.14	1.39	
4,490.00	89.98	271.63	3,228.35	-238.26	-1,812.60	1,811.28	95.00	271.45	0.67	
4,584.00	90.81	272.15	3,227.70	-235.16	-1,906.54	1,905.24	94.00	271.89	1.04	
4,679.00	89.23	271.98	3,227.67	-231.73	-2,001.48	2,000.19	95.00	272.06	1.67	
4,774.00	89.41	271.89	3,228.80	-228.53	-2,096.42	2,095.15	95.00	271.93	0.21	
4,868.00	87.96	271.54	3,230.95	-225.71	-2,190.35	2,189.09	94.00	271.72	1.59	
4,962.00	87.87	270.04	3,234.37	-224.42	-2,284.27	2,283.03	94.00	270.79	1.60	
5,057.00	88.40	268.90	3,237.47	-225.30	-2,379.22	2,377.96	95.00	269.47	1.32	
5,151.00	89.71	268.81	3,239.02	-227.18	-2,473.18	2,471.92	94.00	268.85	1.40	
5,244.00	90.59	268.46	3,238.77	-229.39	-2,566.16	2,564.88	93.00	268.64	1.02	
5,339.00	91.52	268.37	3,237.02	-232.02	-2,661.10	2,659.81	95.00	268.42	0.98	
5,433.00	90.95	269.52	3,235.00	-233.75	-2,755.06	2,753.76	94.00	268.95	1.37	
5,528.00	91.43	269.60	3,233.03	-234.48	-2,850.04	2,848.73	95.00	269.56	0.51	
5,622.00	90.64	270.13	3,231.33	-234.70	-2,944.02	2,942.71	94.00	269.87	1.01	
5,716.00	90.95	270.39	3,230.02	-234.27	-3,038.01	3,036.70	94.00	270.26	0.43	
5,811.00	89.58	270.13	3,229.58	-233.84	-3,133.01	3,131.70	95.00	270.26	1.47	
5,905.00	89.54	269.69	3,230.31	-233.99	-3,227.00	3,225.69	94.00	269.91	0.47	



Wellbenders

End Of Well Report

Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County, NM	TVD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Site:	Rose	MD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Well:	#6H	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)	
5,999.00	90.07	269.78	3,230.63	-234.42	-3,321.00	3,319.69	94.00	269.74	0.57	
6,095.00	90.68	269.87	3,230.00	-234.72	-3,417.00	3,415.68	96.00	269.82	0.64	
6,189.00	89.80	269.96	3,229.60	-234.86	-3,511.00	3,509.68	94.00	269.92	0.94	
6,283.00	90.15	269.96	3,229.64	-234.92	-3,605.00	3,603.67	94.00	269.96	0.37	
6,377.00	90.73	270.39	3,228.92	-234.64	-3,698.99	3,697.67	94.00	270.17	0.77	
6,471.00	90.07	270.83	3,228.27	-233.63	-3,792.99	3,791.67	94.00	270.61	0.84	
6,566.00	90.24	270.92	3,228.01	-232.18	-3,887.97	3,886.66	95.00	270.87	0.20	
6,660.00	90.86	271.01	3,227.11	-230.60	-3,981.96	3,980.65	94.00	270.96	0.67	
6,754.00	91.47	271.27	3,225.20	-228.73	-4,075.92	4,074.62	94.00	271.14	0.71	
6,849.00	92.04	271.71	3,222.29	-226.26	-4,170.84	4,169.55	95.00	271.49	0.76	
6,943.00	91.56	270.83	3,219.33	-224.18	-4,264.77	4,263.49	94.00	271.27	1.07	
7,038.00	92.13	270.92	3,216.27	-222.73	-4,359.71	4,358.44	95.00	270.87	0.61	
7,129.00	92.70	270.83	3,212.44	-221.34	-4,450.62	4,449.35	91.00	270.88	0.63	
7,220.00	93.49	270.66	3,207.53	-220.16	-4,541.48	4,540.22	91.00	270.75	0.89	
7,310.00	92.53	270.75	3,202.80	-219.05	-4,631.34	4,630.09	90.00	270.71	1.07	
7,401.00	92.88	270.57	3,198.51	-218.01	-4,722.24	4,720.99	91.00	270.66	0.43	
7,492.00	92.31	270.04	3,194.39	-217.52	-4,813.14	4,811.89	91.00	270.30	0.85	
7,583.00	93.01	270.04	3,190.16	-217.46	-4,904.04	4,902.79	91.00	270.04	0.77	
7,675.00	92.13	270.39	3,186.04	-217.11	-4,995.95	4,994.70	92.00	270.22	1.03	
7,766.00	90.95	270.48	3,183.59	-216.42	-5,086.91	5,085.67	91.00	270.44	1.30	
7,856.00	91.34	270.66	3,181.79	-215.53	-5,176.89	5,175.65	90.00	270.57	0.48	
7,948.00	91.78	271.01	3,179.29	-214.19	-5,268.84	5,267.61	92.00	270.83	0.61	
8,038.00	92.22	270.31	3,176.15	-213.15	-5,358.78	5,357.55	90.00	270.66	0.92	
8,128.00	93.05	269.87	3,172.01	-213.01	-5,448.69	5,447.45	90.00	270.09	1.04	
8,220.00	91.78	270.04	3,168.13	-213.08	-5,540.60	5,539.37	92.00	269.96	1.39	
8,312.00	91.60	270.39	3,165.42	-212.74	-5,632.56	5,631.33	92.00	270.22	0.43	
8,404.00	92.13	270.57	3,162.43	-211.97	-5,724.51	5,723.28	92.00	270.48	0.61	



Wellbenders

End Of Well Report

Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well #6H-
Project:	Eddy County, NM	TVD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Site:	Rose	MD Reference:	RKB=16' @ 3395.00usft (Akita 20)
Well:	#6H	North Reference:	Grid.
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature.
Design:	OH	Database:	WBDS_SQL_2

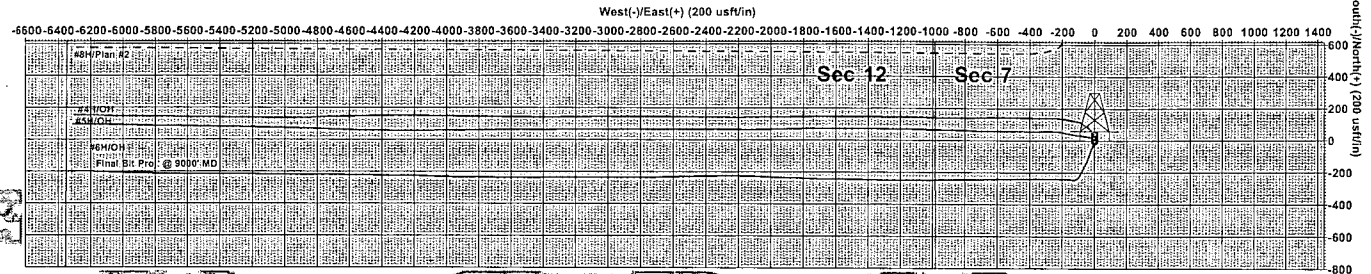
Survey.										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
8,495.00	92.26	270.75	3,158.94	-210.92	-5,815.44	5,814.21	91.00	270.66	0.24	
8,586.00	92.62	271.27	3,155.07	-209.32	-5,906.34	5,905.12	91.00	271.01	0.69	
8,677.00	93.05	271.63	3,150.57	-207.02	-5,997.20	5,995.99	91.00	271.45	0.62	
8,768.00	93.45	271.80	3,145.41	-204.30	-6,088.01	6,086.82	91.00	271.71	0.48	
8,859.00	93.01	271.63	3,140.28	-201.58	-6,178.83	6,177.64	91.00	271.71	0.52	
8,930.00	93.45	271.63	3,136.28	-199.56	-6,249.68	6,248.51	71.00	271.63	0.62	
9,000.00	93.45	271.63	3,132.07	-197.58	-6,319.53	6,318.37	70.00	271.63	0.00	
Final Station Closure Distance= 6322.62 /Direction= 268.21-- Projection to Bit: 9000.00' MD/ 3132.07' TVD - TD: Latitude = 32.677893 / Longitude = -104.446988 - TD: Y= 610367.22 / X= 506367.67										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		
		+N/-S (usft)	+E/-W (usft)	Comment
9,000.00	3,132.07	-197.58	-6,319.53	Final Station Closure Distance= 6322.62 /Direction= 268.21
9,000.00	3,132.07	-197.58	-6,319.53	Projection to Bit: 9000.00' MD/ 3132.07' TVD
9,000.00	3,132.07	-197.58	-6,319.53	TD: Latitude = 32.677893 / Longitude = -104.446988
9,000.00	3,132.07	-197.58	-6,319.53	TD: Y= 610367.22 / X= 506367.67

Checked By: _____	Approved By: _____	Date: _____
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Company: Percussion Petroleum, LLC
Project: Eddy County, NM
Site: Rose
Well: #6H
Wellbore: OH
Rig: Akita 20
Design: OH / 8:38, June 21 2019



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Final Bit Proj. @ 9000' MD	3132.07	-197.58	-6319.53	610367.22	506367.67	32.677893	-104.446988

TOTAL CORRECTION
To convert a Magnetic Direction to a Grid Direction, Add 7.249°

WELL DETAILS: #6H

RKB=16' @ 3395.00usft (Akita 20)						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	610564.80	512687.20	32.678453	-104.426449	

ANNOTATION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	V-Sect	Departure	Annotation
9000.00	93.45	271.63	3132.07	-197.58	-6319.53	6318.37	6478.88	Final Station Closure Distance= 6322.62 / Direction= 268.21
9000.00	93.45	271.63	3132.07	-197.58	-6319.53	6318.37	6478.88	Projection to Bit: 9000.00' MD/ 3132.07' TVD
9000.00	93.45	271.63	3132.07	-197.58	-6319.53	6318.37	6478.88	TD: Latitude = 32.677893 / Longitude = -104.446988
9000.00	93.45	271.63	3132.07	-197.58	-6319.53	6318.37	6478.88	TD: Y= 610367.22 / X= 506367.67

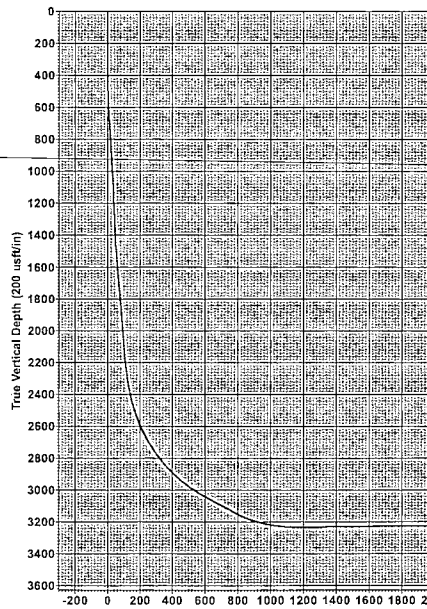


Azimuths to Grid North
True North: 0.00°
Magnetic North: 7.25°

Magnetic Field
Strength: 47037.6nT
Dip Angle: 60.32°
Date: 3/30/2019
Model: IGRF2015

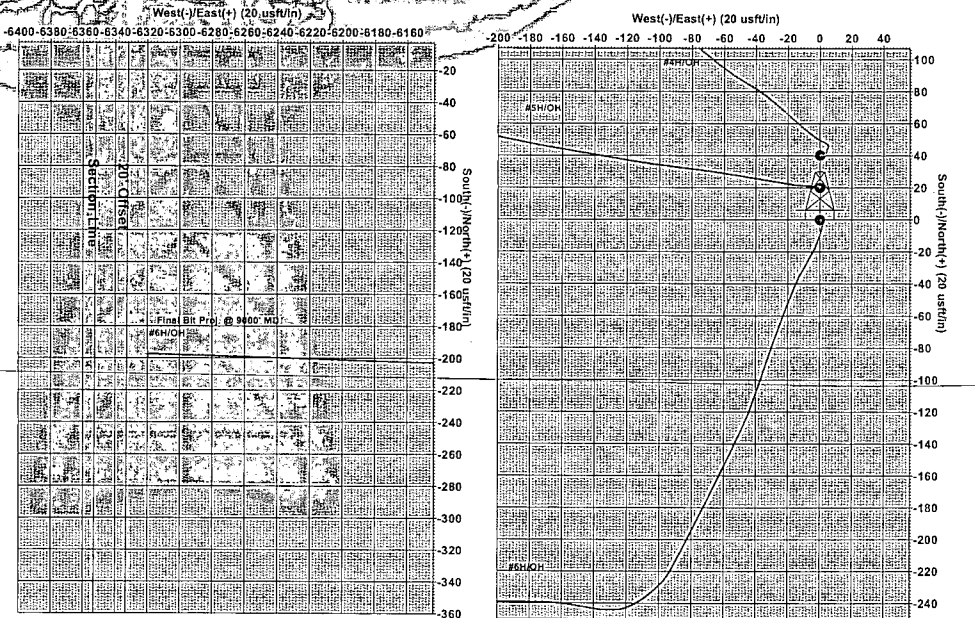
PROJECT DETAILS: Eddy County, NM

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



Vertical Section at 270.31° (200 usft/in)

Final Station Closure Distance= 6322.62 / Direction= 268.21
Projection to Bit: 9000.00' MD/ 3132.07' TVD
TD: Latitude = 32.677893 / Longitude = -104.446988
TD: Y= 610367.22 / X= 506367.67



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

Design: OH (#6H/OH) Akita 20

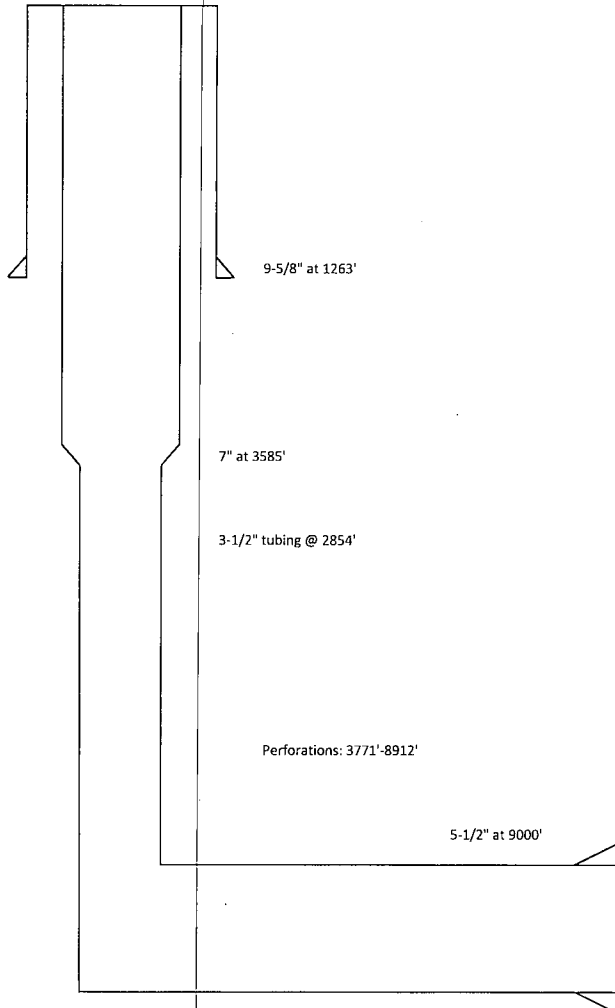
Created By: Derek Stephens Date: 8:38, June 21 2019

API #	30-015-45803	ROSE 6H	County, ST	Eddy, NM
Operator	Spur Energy Partners, LLC		Sec-Twn-Rng	7-19S-25E
Field	PENASCO DRAW; SA-YESO (ASSOC)		Footage	1428' FNL 985' FWL
Spud Date	6/12/2019		Survey	

GL	3379'
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Hole Size	12-1/4"
TOC	Surf
Method	Circ Returns

Csg Depth	1263'
Size	9-5/8"
Weight	36#
Grade	J-55
Connections	BTC
Cement	surface



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

Csg Depth	9000'	3585'
Size	5-1/2"	7"
Weight	20ppf	32ppf
Grade	L-80	L-80
Connections	BTC	BTC
Cement	surface	

PBTD	8943'
TD MD	9000'
TD TVD	3132'