District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
SPUR ENERGY PARTNERS LLC 9655 KATY FREEWAY, SUITE 500 HOUSTON, TX 77024	328947
	[3] Reason for Filing Code/ Effective Date NW 02/17/2022

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 15-47915	N. SEVEN RIVERS; GLORIETA-YESO	97565

[7] Property Code	[8] Property Name	[9] Well Number
329966	LIVE OAK	20H

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
B	27	19S	25E		1100	NORTH	1675	EAST	EDDY

[11] Bottom Hole Location

FTP: 1631' FNL 2516' FWL LTP: 1677' FSL 2500' FEL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	28	19S	25E		1677	NORTH	2601	EAST	EDDY

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
P	P	01/09/2022			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
221115	FRONTIER FIELD SERVICES, LLC 4200 EAST SKELLY DRIVE, SUITE 700, TULSA, OK 74135	G
33479	HOLLYFRONTIER REFINING & MARKETING 2828 N. HARWOOD, SUITE 1300, DALLAS, TX 75201	O

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
05/20/2021	10/18/2021	2731'V/8490'M	2731'V/8490'M	3374'-8389'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
12-1/4"	9-5/8" 36# J-55 BTC	1285'	460 SXS (CIRC TO SURFACE)
8-3/4"	7" 32# L-80 BK-HT	3120'	1410 SXS (CIRC TO SURFACE)
8-3/4"	5-1/2" 20# L-80 BK-HT	8490'	1410 SXS (CIRC TO SURFACE)
	3-1/2" J-55 TBG	2998'	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
10/15/2021	01/09/2022	10/24/2021	24-HOURS	246	207
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
N/A	828	2675	767		PUMPING ON ESP

[42] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Sarah Chapman

Printed name: SARAH CHAPMAN

Title: REGULATORY DIRECTOR

E-mail Address: SCHAPMAN@SPURENERGY.COM

Date: 02/17/2022

Phone: 832-930-8613

OIL CONSERVATION DIVISION

Approved by:

Title: Petroleum Engineer

Approval Date: 06/13/22

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, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015-47915	97565	N. SEVEN RIVERS; GLORIETA-YESO

4 Property Code	5 Property Name	6 Well Number
329966	LIVE OAK	20H

7 OGRID NO.	8 Operator Name	9 Elevation
328947	SPUR ENERGY PARTNERS LLC.	3444'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
B	27	19S	25E		1100	NORTH	1675	EAST	EDDY

11 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
G	28	19S	25E		1677	NORTH	2601	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16

GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
N: 595050.5 – E: 499390.0
LAT: 32.6357689° N
LONG: 104.4696018° W

FIRST TAKE POINT (FTP)
1631' FNL & 2516' FWL – SEC 27
N: 594555.9 – E: 498354.9
LAT: 32.6344056° N
LONG: 104.4729620° W
MD: 3374.0 – TVD: 2794.5

LAST TAKE POINT (LTP)
1677' FNL & 2500' FEL – SEC 28
N: 594606.0 – E: 493342.0
LAT: 32.6345242° N
LONG: 104.4892467° W
MD: 8389.0 – TVD: 2734.7

BOTTOM HOLE (BH)
N: 594606.8 – E: 493241.1
LAT: 32.6345260° N
LONG: 104.4895746° W
MD: 8490.0 – TVD: 2731.0

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND 1/2" REBAR
N: 590950.1 – E: 490511.8

B: FOUND 10"X8"X2.5" LIMESTONE ROCK
N: 596289.2 – E: 490540.3

C: FOUND 1/2" REBAR
N: 596283.3 – E: 493191.2

D: FOUND 1" PIPE
N: 596277.3 – E: 495841.8

E: FOUND 1/2" REBAR
N: 596183.6 – E: 498448.0

F: FOUND 1/2" REBAR
N: 596091.2 – E: 501054.3

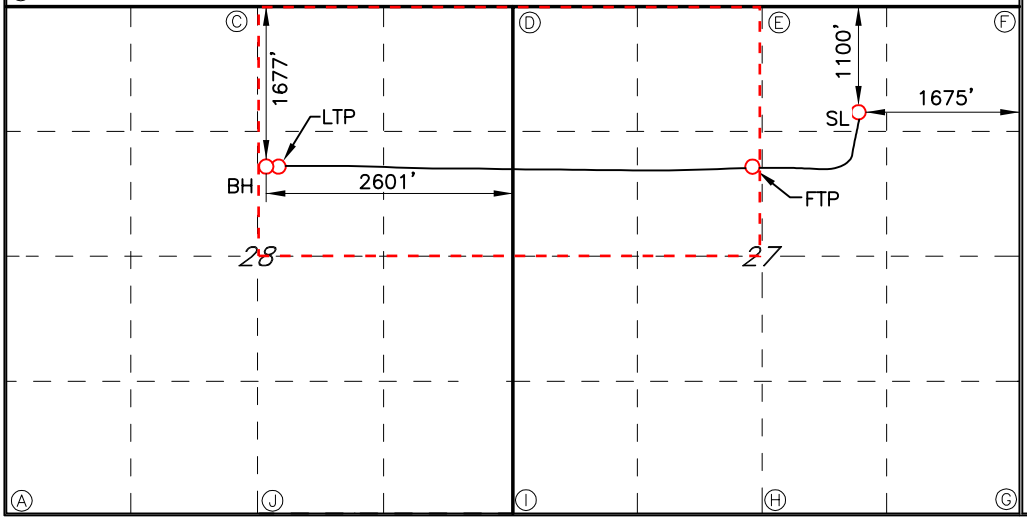
G: FOUND 1/2" REBAR
N: 590847.7 – E: 501100.1

H: FOUND LIMESTONE ROCK
N: 590929.4 – E: 498489.6

I: FOUND 1/2" REBAR
N: 590944.6 – E: 495839.1

J: FOUND 1/2" REBAR
N: 590947.0 – E: 493175.7

K: FOUND 60D NAIL
N: 593638.2 – E: 495840.9



17 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.

Sarah Chapman 10/14/2021
Signature Date

SARAH CHAPMAN
Printed Name

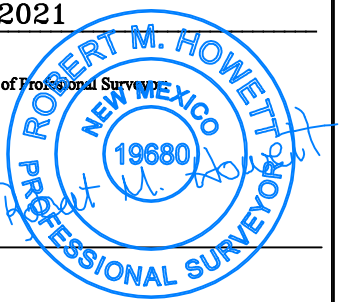
SCHAPMAN@SPURENERGY.COM
E-mail Address

18 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.

10-05-2021
Date of Survey

Signature and Seal of Professional Surveyor:



19680
Certificate Number

LS20110665AC

WELLBENDERS
DIRECTIONAL SERVICES LLC

I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services.** That I did on the day(s) of **07/20/21** thru **07/24/21** conduct or supervise the taking of a **MWD Survey** from a depth of **146'** to a depth of **8490'**; 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 **Live Oak 20H** API No**. 30-015-47915** 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

Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)
LIVE OAK
#20H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

25 July, 2021

Survey Report

Company:	Spur Energy Partners, LLC	**Local Co-ordinate Reference:**	Well #20H
Project:	Eddy County, NM (NAD 83 - NME)	**TVD Reference:**	RKB = 20' @ 3464.00usft (AKITA 57)
Site:	LIVE OAK	**MD Reference:**	RKB = 20' @ 3464.00usft (AKITA 57)
Well:	#20H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**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 LIVE OAK

Site Position:		**Northing:**	595,065.90 usft	**Latitude:**	32.6358113
From:	Map	**Easting:**	499,402.70 usft	**Longitude:**	-104.4695605
Position Uncertainty:	0.00 usft	**Slot Radius:**	13.200 in	**Grid Convergence:**	-0.073 °

Well #20H

Well Position	**+N/-S**	0.00 usft	**Northing:**	595,050.50 usft	**Latitude:**	32.6357689
	+E/-W	0.00 usft	**Easting:**	499,390.00 usft	**Longitude:**	-104.4696016
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,444.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/18/2021	6.981	60.137	47,633.34814089

Design Wellbore #1

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	271.07

Survey Program **Date** 7/25/2021

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
12.00	1,252.00	Survey #1 (Wellbore #1)	MWD+IGRF	OWSG MWD + IGRF or WMM
1,331.00	8,490.00	Survey #2 (Wellbore #1)	MWD+IGRF	OWSG MWD + IGRF or WMM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00
146.00	0.90	109.00	145.99	-0.34	1.00	-1.00	0.67	0.67	0.00
232.00	0.40	220.20	231.99	-0.79	1.44	-1.45	1.29	-0.58	129.30
327.00	0.48	220.15	326.99	-1.35	0.97	-0.99	0.08	0.08	-0.05
421.00	1.71	210.76	420.97	-2.86	0.00	-0.05	1.32	1.31	-9.99
515.00	3.12	199.25	514.88	-6.48	-1.56	1.44	1.58	1.50	-12.24
609.00	5.49	194.94	608.61	-13.24	-3.57	3.32	2.54	2.52	-4.59
704.00	8.88	193.01	702.85	-24.77	-6.39	5.92	3.58	3.57	-2.03
798.00	11.12	192.64	795.42	-40.69	-10.01	9.24	2.38	2.38	-0.39

SPUR ENERGY PARTNERS

Survey Report

WELLBENDERS DIRECTIONAL SERVICES

Company:	Spur Energy Partners, LLC	**Local Co-ordinate Reference:**	Well #20H
Project:	Eddy County, NM (NAD 83 - NME)	**TVD Reference:**	RKB = 20' @ 3464.00usft (AKITA 57)
Site:	LIVE OAK	**MD Reference:**	RKB = 20' @ 3464.00usft (AKITA 57)
Well:	#20H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	WBDS_SQL_2

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
892.00	12.79	191.93	887.38	-59.72	-14.14	13.02	1.78	1.78	-0.76
986.00	14.11	190.72	978.80	-81.16	-18.42	16.90	1.44	1.40	-1.29
1,081.00	15.52	191.05	1,070.64	-105.01	-23.01	21.05	1.49	1.48	0.35
1,175.00	16.40	191.80	1,161.01	-130.34	-28.14	25.70	0.96	0.94	0.80
1,252.00	17.80	193.20	1,234.61	-152.44	-33.05	30.20	1.90	1.82	1.82
1,331.00	17.98	193.73	1,309.79	-176.04	-38.70	35.41	0.31	0.23	0.67
1,457.00	20.79	191.45	1,428.63	-216.86	-47.76	43.70	2.31	2.23	-1.81
1,581.00	20.75	189.78	1,544.58	-260.08	-55.86	50.99	0.48	-0.03	-1.35
1,707.00	20.62	189.16	1,662.45	-303.97	-63.18	57.49	0.20	-0.10	-0.49
1,832.00	19.96	187.93	1,779.70	-346.84	-69.63	63.14	0.63	-0.53	-0.98
1,895.00	19.43	193.73	1,839.02	-367.67	-73.60	66.72	3.21	-0.84	9.21
1,958.00	19.47	207.01	1,898.45	-387.21	-80.86	73.61	7.01	0.06	21.08
2,021.00	20.75	217.29	1,957.63	-405.45	-92.39	84.80	5.96	2.03	16.32
2,084.00	23.34	223.97	2,016.03	-423.32	-107.82	99.90	5.72	4.11	10.60
2,148.00	25.89	229.86	2,074.21	-441.45	-127.31	119.05	5.52	3.98	9.20
2,211.00	27.38	237.68	2,130.55	-458.07	-150.08	141.50	6.04	2.37	12.41
2,306.00	29.76	247.61	2,214.02	-478.75	-190.37	181.39	5.58	2.51	10.45
2,369.00	33.27	254.29	2,267.73	-489.39	-221.48	212.30	7.85	5.57	10.60
2,432.00	35.38	257.81	2,319.77	-497.92	-255.95	246.60	4.60	3.35	5.59
2,495.00	37.80	262.29	2,370.36	-504.36	-292.92	283.45	5.72	3.84	7.11
2,558.00	40.40	266.24	2,419.25	-508.29	-332.43	322.89	5.71	4.13	6.27
2,620.00	43.78	269.85	2,465.26	-509.67	-373.95	364.37	6.70	5.45	5.82
2,683.00	47.74	272.04	2,509.21	-508.90	-419.06	409.49	6.76	6.29	3.48
2,747.00	51.78	273.19	2,550.54	-506.65	-467.85	458.31	6.46	6.31	1.80
2,810.00	55.87	273.10	2,587.72	-503.86	-518.62	509.12	6.49	6.49	-0.14
2,873.00	59.96	272.31	2,621.18	-501.35	-571.93	562.47	6.58	6.49	-1.25
2,904.00	60.57	272.48	2,636.55	-500.23	-598.82	589.38	2.02	1.97	0.55
2,936.00	60.84	272.48	2,652.21	-499.02	-626.70	617.28	0.84	0.84	0.00
2,967.00	60.92	272.31	2,667.30	-497.89	-653.76	644.35	0.54	0.26	-0.55
2,999.00	61.49	271.78	2,682.71	-496.89	-681.79	672.39	2.30	1.78	-1.66
3,031.00	61.93	271.60	2,697.88	-496.06	-709.95	700.57	1.46	1.37	-0.56
3,063.00	62.15	271.52	2,712.88	-495.29	-738.21	728.83	0.72	0.69	-0.25
3,093.00	63.65	270.11	2,726.55	-494.91	-764.91	755.53	6.52	5.00	-4.70
3,125.00	66.15	268.70	2,740.12	-495.22	-793.88	784.50	8.77	7.81	-4.41
3,188.00	71.03	269.50	2,763.11	-496.13	-852.51	843.10	7.84	7.75	1.27
3,250.00	77.36	271.34	2,779.99	-495.68	-912.13	902.72	10.60	10.21	2.97
3,313.00	83.82	270.81	2,790.29	-494.52	-974.24	964.83	10.29	10.25	-0.84
3,377.00	88.26	268.97	2,794.70	-494.64	-1,038.07	1,028.65	7.51	6.94	-2.87
3,439.00	89.10	268.53	2,796.13	-495.99	-1,100.04	1,090.58	1.53	1.35	-0.71
3,565.00	89.80	268.26	2,797.34	-499.52	-1,225.98	1,216.44	0.60	0.56	-0.21
3,692.00	90.77	268.62	2,796.71	-502.98	-1,352.93	1,343.30	0.81	0.76	0.28
3,818.00	91.21	268.18	2,794.53	-506.50	-1,478.86	1,469.14	0.49	0.35	-0.35
3,944.00	89.98	268.53	2,793.23	-510.11	-1,604.80	1,594.99	1.01	-0.98	0.28

SPUR ENERGY PARTNERS

Survey Report

WELLBENDERS DIRECTIONAL SERVICES

Company:	Spur Energy Partners, LLC	**Local Co-ordinate Reference:**	Well #20H
Project:	Eddy County, NM (NAD 83 - NME)	**TVD Reference:**	RKB = 20' @ 3464.00usft (AKITA 57)
Site:	LIVE OAK	**MD Reference:**	RKB = 20' @ 3464.00usft (AKITA 57)
Well:	#20H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	WBDS_SQL_2

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,070.00	90.29	267.91	2,792.93	-514.03	-1,730.74	1,720.84	0.55	0.25	-0.49
4,195.00	89.05	270.11	2,793.65	-516.19	-1,855.71	1,845.74	2.02	-0.99	1.76
4,320.00	89.41	269.93	2,795.33	-516.14	-1,980.69	1,970.71	0.32	0.29	-0.14
4,446.00	89.58	269.50	2,796.44	-516.77	-2,106.69	2,096.67	0.37	0.13	-0.34
4,572.00	90.59	270.99	2,796.25	-516.23	-2,232.68	2,222.65	1.43	0.80	1.18
4,698.00	90.59	270.99	2,794.95	-514.05	-2,358.66	2,348.65	0.00	0.00	0.00
4,823.00	91.30	270.99	2,792.89	-511.89	-2,483.62	2,473.63	0.57	0.57	0.00
4,950.00	91.78	270.46	2,789.48	-510.29	-2,610.56	2,600.58	0.56	0.38	-0.42
5,076.00	90.55	271.43	2,786.92	-508.21	-2,736.52	2,726.55	1.24	-0.98	0.77
5,202.00	89.89	270.64	2,786.43	-505.93	-2,862.49	2,852.55	0.82	-0.52	-0.63
5,329.00	90.24	271.17	2,786.29	-503.93	-2,989.48	2,979.54	0.50	0.28	0.42
5,455.00	90.99	271.08	2,784.94	-501.46	-3,115.44	3,105.54	0.60	0.60	-0.07
5,580.00	91.43	270.37	2,782.30	-499.87	-3,240.40	3,230.50	0.67	0.35	-0.57
5,699.00	90.37	270.99	2,780.43	-498.46	-3,359.38	3,349.49	1.03	-0.89	0.52
5,819.00	90.24	270.55	2,779.79	-496.85	-3,479.37	3,469.48	0.38	-0.11	-0.37
5,939.00	91.16	270.55	2,778.32	-495.70	-3,599.35	3,589.47	0.77	0.77	0.00
6,059.00	90.59	272.04	2,776.49	-492.99	-3,719.30	3,709.45	1.33	-0.47	1.24
6,182.00	90.64	271.78	2,775.17	-488.89	-3,842.23	3,832.43	0.22	0.04	-0.21
6,301.00	91.08	270.90	2,773.38	-486.10	-3,961.18	3,951.41	0.83	0.37	-0.74
6,423.00	91.91	270.11	2,770.20	-485.03	-4,083.13	4,073.36	0.94	0.68	-0.65
6,543.00	90.29	270.81	2,767.90	-484.07	-4,203.10	4,193.33	1.47	-1.35	0.58
6,664.00	91.25	270.64	2,766.27	-482.53	-4,324.08	4,314.31	0.81	0.79	-0.14
6,785.00	92.04	270.29	2,762.80	-481.55	-4,445.02	4,435.26	0.71	0.65	-0.29
6,910.00	91.56	271.87	2,758.87	-479.20	-4,569.93	4,560.19	1.32	-0.38	1.26
7,036.00	90.24	272.48	2,756.89	-474.42	-4,695.83	4,686.15	1.15	-1.05	0.48
7,161.00	91.25	272.31	2,755.27	-469.19	-4,820.70	4,811.10	0.82	0.81	-0.14
7,287.00	90.24	272.40	2,753.63	-464.02	-4,946.58	4,937.06	0.80	-0.80	0.07
7,413.00	91.47	272.40	2,751.75	-458.74	-5,072.46	5,063.01	0.98	0.98	0.00
7,539.00	89.14	271.43	2,751.08	-454.53	-5,198.38	5,188.98	2.00	-1.85	-0.77
7,665.00	89.71	271.08	2,752.34	-451.77	-5,324.34	5,314.97	0.53	0.45	-0.28
7,791.00	90.55	270.81	2,752.06	-449.69	-5,450.32	5,440.97	0.70	0.67	-0.21
7,917.00	91.78	270.46	2,749.50	-448.30	-5,576.28	5,566.94	1.01	0.98	-0.28
8,043.00	92.75	270.37	2,744.52	-447.38	-5,702.18	5,692.83	0.77	0.77	-0.07
8,167.00	91.21	270.46	2,740.23	-446.49	-5,826.10	5,816.75	1.24	-1.24	0.07
8,293.00	91.25	270.55	2,737.53	-445.38	-5,952.07	5,942.71	0.08	0.03	0.07
8,415.00	92.18	270.46	2,733.88	-444.30	-6,074.00	6,064.65	0.77	0.76	-0.07
8,490.00	92.18	270.46	2,731.02	-443.70	-6,148.95	6,139.59	0.00	0.00	0.00

SPUR ENERGY PARTNERS

Survey Report

WELLBENDERS DIRECTIONAL SERVICES

Company:	Spur Energy Partners, LLC	**Local Co-ordinate Reference:**	Well #20H
Project:	Eddy County, NM (NAD 83 - NME)	**TVD Reference:**	RKB = 20' @ 3464.00usft (AKITA 57)
Site:	LIVE OAK	**MD Reference:**	RKB = 20' @ 3464.00usft (AKITA 57)
Well:	#20H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	WBDS_SQL_2

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FINAL BIT PROJ @ 8	0.00	360.00	2,731.02	-443.70	-6,148.95	594,606.80	493,241.05	32.6345260	-104.4895746
- actual wellpath hits target center - Point									
FINAL LTP @ 8444.6	0.00	360.00	2,732.75	-444.06	-6,103.60	594,606.44	493,286.40	32.6345252	-104.4894273
- actual wellpath misses target center by 29.62usft at 8415.00usft MD (2733.88 TVD, -444.30 N, -6074.00 E) - Point									
FINAL FTP @ 3367.7	0.00	0.00	2,794.37	-494.50	-1,028.80	594,556.01	498,361.20	32.6344060	-104.4729416
- actual wellpath hits target center - Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,873.00	2,621.18	-501.35	-571.93	START TANGENT: 2873.00' MD/ 2621.18' TVD
3,093.00	2,726.55	-494.91	-764.91	END TANGENT: 3093.00' MD/ 2726.55' TVD
8,490.00	2,731.02	-443.70	-6,148.95	TD: Y= 594606.80 / X= 493241.05
8,490.00	2,731.02	-443.70	-6,148.95	Projection to Bit: 8490.00' MD/ 2731.02' TVD
8,490.00	2,731.02	-443.70	-6,148.95	Final Station Closure Distance= 6164.94 /Direction= 265.87
8,490.00	2,731.02	-443.70	-6,148.95	TD: Latitude= 32.6345260 / Longitude= -104.4895746

Checked By: _____ Approved By: _____ Date: _____

SPUR ENERGY PARTNERS

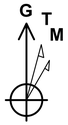
Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: LIVE OAK
Well: #20H
Wellbore: Wellbore #1
Rig: AKITA 57
Design: PERMIT / 8:04, July 25 2021

WELLBENDERS DIRECTIONAL SERVICES LLC

WELL DETAILS: #20H

RKB = 20' @ 3464.00usft (AKITA 57)
3444.00

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.00	0.00	595050.50	499390.00	32.6357689	-104.4696017



Azimuths to Grid North
True North: 0.07°
Magnetic North: 7.05°

Magnetic Field
Strength: 47633.3snT
Dip Angle: 60.14°
Date: 7/18/2021
Model: IGRF2020

DESIGN TARGET DETAILS

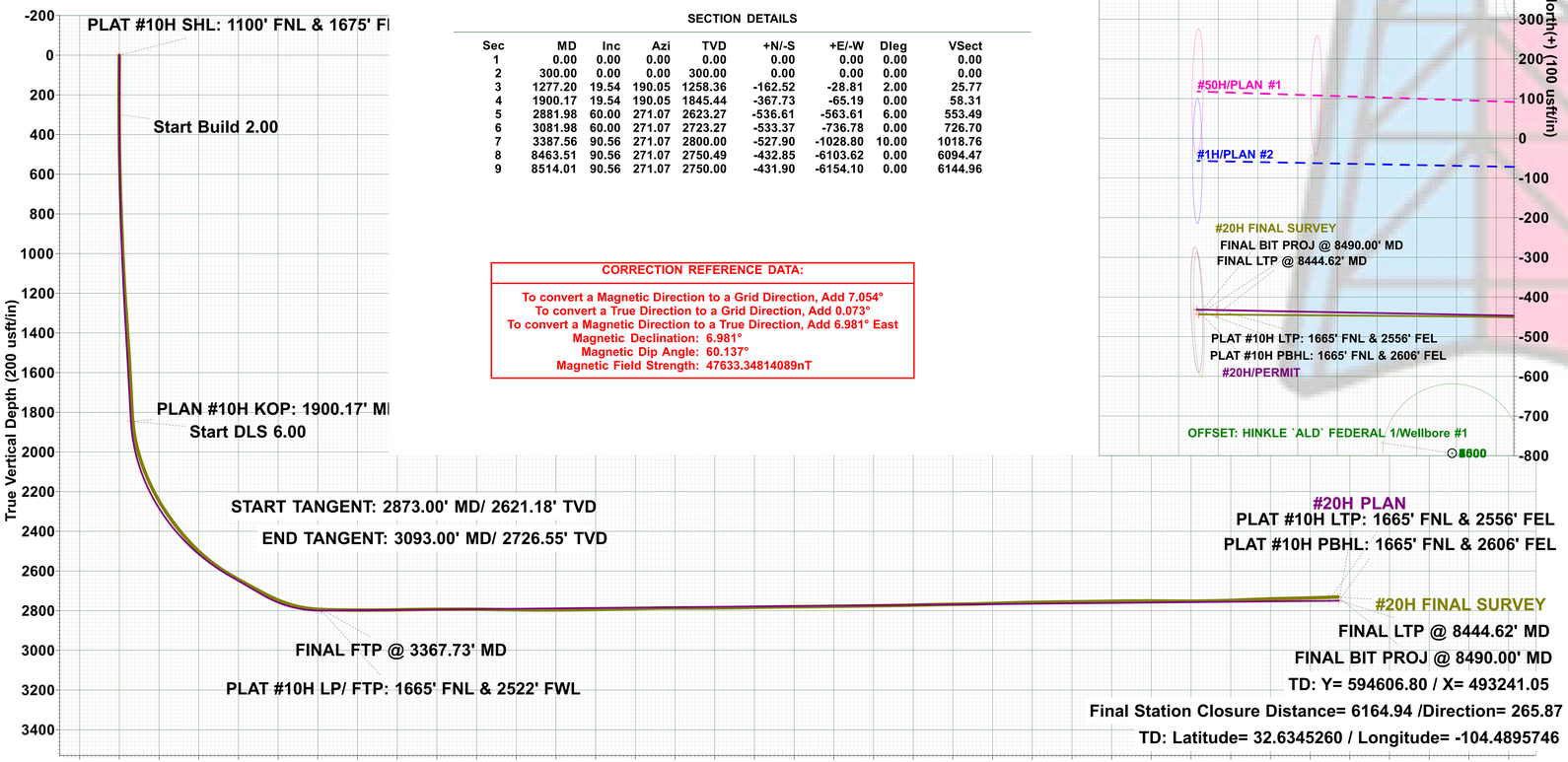
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PLAT #10H SHL: 1100' FNL & 1675' FEL	0.00	0.00	0.00	595050.50	499390.00	32.6357689	-104.4696017
PLAN #10H KOP: 1900.17' MD	1845.44	-367.73	-65.19	594682.77	499324.81	32.6347579	-104.4698119
FINAL BIT PROJ @ 8490.00' MD	2731.02	-443.70	-6148.95	594606.80	493241.05	32.6345260	-104.4895746
FINAL LTP @ 8444.62' MD	2732.75	-444.06	-6103.60	594606.44	493286.40	32.6345252	-104.4894273
PLAT #10H PBHL: 1665' FNL & 2606' FEL	2750.00	-431.90	-6154.10	594618.60	493235.90	32.6345584	-104.4895914
PLAT #10H LTP: 1665' FNL & 2556' FEL	2750.49	-432.00	-6103.60	594618.50	493286.40	32.6345584	-104.4894274
FINAL FTP @ 3367.73' MD	2794.37	-494.50	-1028.80	594556.00	498361.20	32.6344060	-104.4729417
PLAT #10H LP/ FTP: 1665' FNL & 2522' FWL	2800.00	-527.90	-1028.80	594522.60	498361.20	32.6343142	-104.4729415

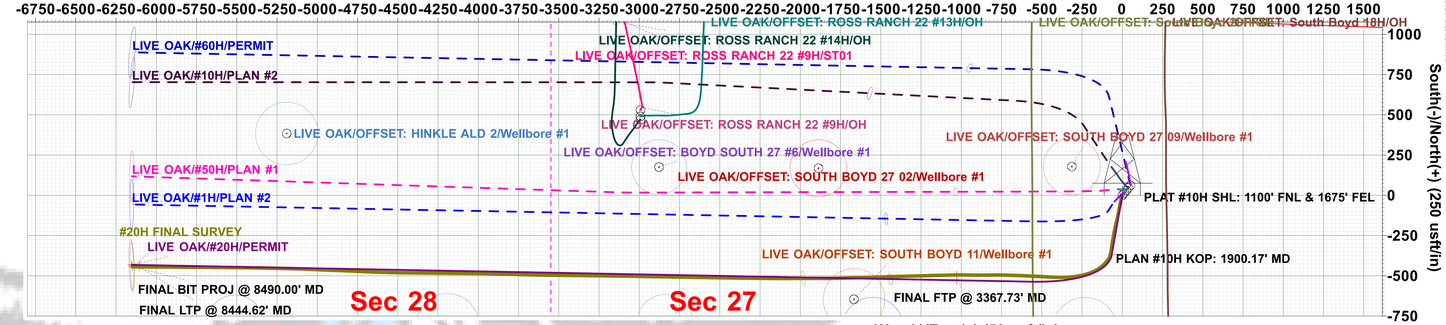
SECTION DETAILS

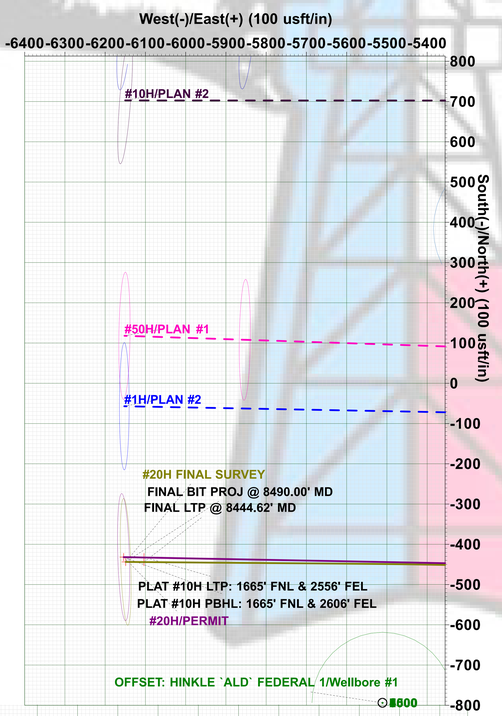
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00
3	1277.20	19.54	190.05	1258.36	-162.52	-28.81	2.00	25.77
4	1900.17	19.54	190.05	1845.44	-367.73	-65.19	0.00	58.31
5	2881.98	60.00	271.07	2623.27	-536.61	-563.61	6.00	553.49
6	3081.98	60.00	271.07	2723.27	-533.37	-736.78	0.00	726.70
7	3387.56	90.56	271.07	2800.00	-527.90	-1028.80	10.00	1018.76
8	8463.51	90.56	271.07	2750.49	-432.85	-6103.62	0.00	6094.47
9	8514.01	90.56	271.07	2750.00	-431.90	-6154.10	0.00	6144.96

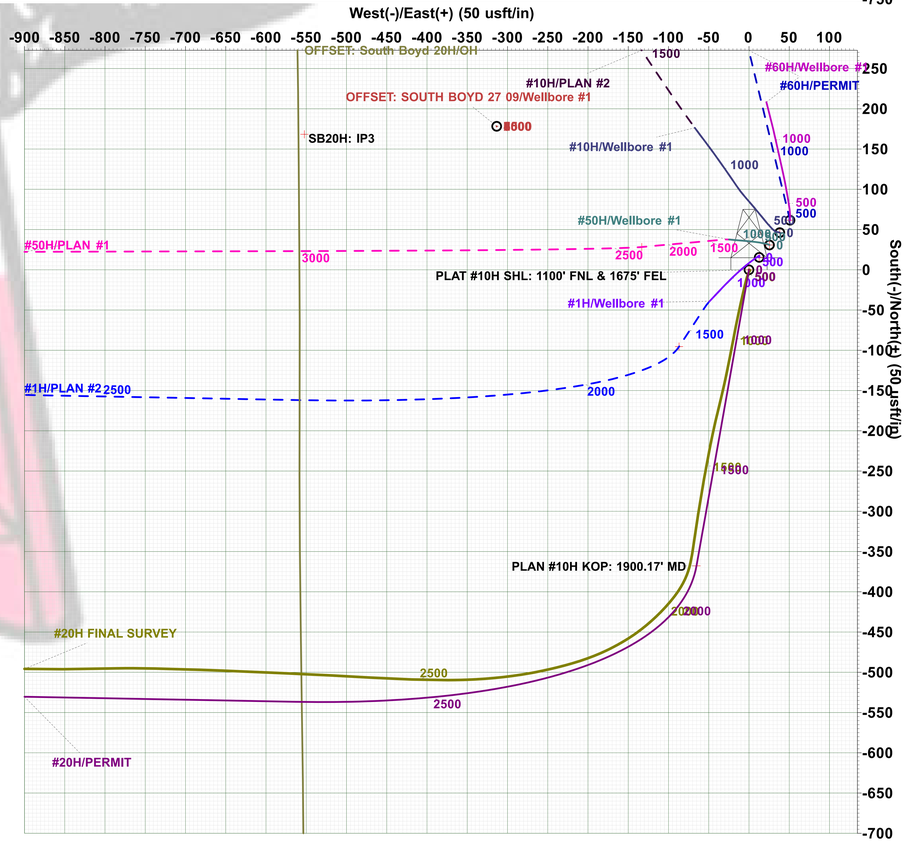
CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 7.054°
To convert a True Direction to a Grid Direction, Add 0.073°
To convert a Magnetic Direction to a True Direction, Add 6.981° East
Magnetic Declination: 6.981°
Magnetic Dip Angle: 60.137°
Magnetic Field Strength: 47633.34814089nT









#20H PLAN
PLAT #10H LTP: 1665' FNL & 2556' FEL
PLAT #10H PBHL: 1665' FNL & 2606' FEL

#20H FINAL SURVEY
FINAL LTP @ 8444.62' MD
FINAL BIT PROJ @ 8490.00' MD
TD: Y= 594606.80 / X= 493241.05
Final Station Closure Distance= 6164.94 /Direction= 265.87
TD: Latitude= 32.6345260 / Longitude= -104.4895746

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

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

Plan: PERMIT (#20H/Wellbore #1) AKITA 57
Created By: Matthew May Date: 8:04, July 25 2021

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised April 3, 2017

1. WELL API NO. 30-015-47915
2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: LIVE OAK
6. Well Number: 20H

7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

8. Name of Operator: SPUR ENERGY PARTNERS LLC
9. OGRID: 328947
10. Address of Operator: 9655 KATY FREEWAY, SUITE 500, HOUSTON, TX 77024
11. Pool name or Wildcat: N. SEVEN RIVERS, GLORIETA-YESO

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	27	19S	25E		1100	NORTH	1675	EAST	EDDY
BH:	G	28	19S	25E		1677	NORTH	2601	EAST	EDDY

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
05/20/2021	07/23/2021	07/25/2021	10/18/2021	3444' GR

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
2731'V/8490'M	2731'V/8490'M	YES	GAMMA RAY

22. Producing Interval(s), of this completion - Top, Bottom, Name: 3374'-8389' YESO

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36	1285'	12-1/4"	460 SXS (CIRC TO SURFACE)	0
7"	32	3120'	8-3/4"	1410 SXS (CIRC TO SURFACE)	0
5-1/2":	20	8490'	8-3/4"	1410 SXS (CIRC TO SURFACE)	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
3-1/2"	2998'	

26. Perforation record (interval, size, and number)

9/25/2021 Pressure test csg to 6000# for 30 minutes, good test. 9/26/2021 RIH & cleanout to PBTD @ 8490'. RIH & perf from 3374'-8389', total 900 s hots/ft @ 0.42 shot size. Frac in 25 w/12520620 gal slickwater and 4997749# sand. 10/4/2021 rig down wireline and cleanout.
RIH & set 3-1/2" J-55 tbg @ 2998'.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3374'-8389'	12520620 gal slickwater and 4997749# sand

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
10/15/2021	PUMPING ON ESP	PRODUCING

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
10/24/2021	24-HOURS	N/A		828	767	2675	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
246	207		828	767	2675	

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*: FLARED BUT NOW TIED INTO LINE
30. Test Witnessed By: JERRY MATHEWS

31. List Attachments: WBD, AS-DRILLED C-102, DIRECTIONAL AND FINAL C-104

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.
33. Rig Release Date:

34. If an on-site burial was used at the well, report the exact location of the on-site burial:
Latitude _____ Longitude _____ NAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Sarah Chapman Printed Name SARAH CHAPMAN Title REGULATORY DIRECTOR Date 02/17/2022

E-mail Address SCHAPMAN@SPURENERGY.COM

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 735'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2285'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T.YESO 2415'	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from……..……..….to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from…….to……feet……

No. 2, from…….to……feet……

No. 3, from…….to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology
735'	2285'	1550'	DOLOMITE					
2285'	2415'	150'	DOLOMITE					

Live Oak 20H

FIELD	N Seven Rivers Glorieta-Yeso	API #	30-015-47915
COUNTY	Eddy Co	SPUD DATE	5/19/2021
STATE	New Mexico	RIG RELEASE	7/25/2021
LATITUDE	32.62357689°	COMPLETION	10/14/2021
LONGITUDE	-104.4696018°		

Surface
9 5/8" J-55 36# BTC
0-1,285'
145 bbl 12.2 ppg lead 345sx
38.5 bbls of 13.2 ppg tail 115sx
TOC Surface

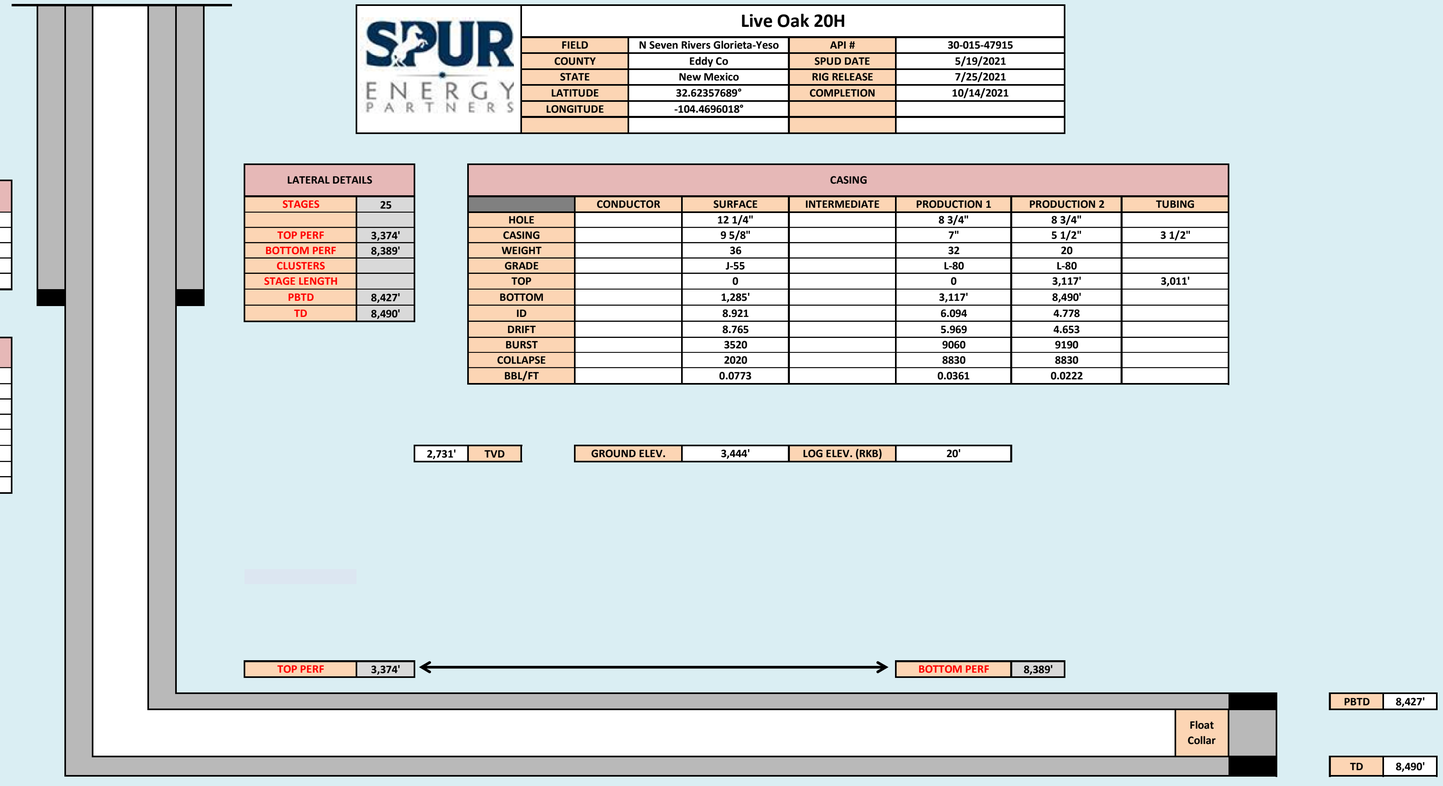
Producution
7" L-80 32# BK-HT
0-3,117'
X/O
5 1/2" L-80 20# BTC
3,117'-8,490'
175 bbl 11.4 ppg lead 390sx
213.5 bbl 13.0 ppg Tail 1060sx
TOC surface

LATERAL DETAILS	
STAGES	25
TOP PERF	3,374'
BOTTOM PERF	8,389'
CLUSTERS	
STAGE LENGTH	
PBTD	8,427'
TD	8,490'

CASING

	CONDUCTOR	SURFACE	INTERMEDIATE	PRODUCTION 1	PRODUCTION 2	TUBING
HOLE		12 1/4"		8 3/4"	8 3/4"	
CASING		9 5/8"		7"	5 1/2"	3 1/2"
WEIGHT		36		32	20	
GRADE		J-55		L-80	L-80	
TOP		0		0	3,117'	3,011'
BOTTOM		1,285'		3,117'	8,490'	
ID		8.921		6.094	4.778	
DRIFT		8.765		5.969	4.653	
BURST		3520		9060	9190	
COLLAPSE		2020		8830	8830	
BBL/FT		0.0773		0.0361	0.0222	

2,731'	TVD	GROUND ELEV.	3,444'	LOG ELEV. (RKB)	20'



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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 82269
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☑	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☑	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 82269

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 82269
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
llowe	None	6/13/2022