

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

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address SPUR ENERGY PARTNERS LLC 9655 KATY FREEWAY, SUITE 500 HOUSTON, TX 77024		² OGRID Number 328947
		³ Reason for Filing Code/ Effective Date NW 07/26/2023
⁴ API Number 30 - 0 15-50160	⁵ Pool Name N. SEVEN RIVERS; GLORIETA-YESO	⁶ Pool Code 97565
⁷ Property Code 333554	⁸ Property Name ALTO AMM 21	⁹ Well Number 11H

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
L	22	19S	25E		1890	SOUTH	438	WEST	EDDY

¹¹ Bottom Hole Location

FTP: 1656' FSL 118' FEL LTP: 1649' FSL 133' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	21	19S	25E		1649	SOUTH	64	WEST	EDDY

¹² Lse Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date 04/18/2023	¹⁵ C-129 Permit Number 2023	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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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 DR., 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 12/23/2022	²² Ready Date 07/26/2023	²³ TD 2622'V/8237'M	²⁴ PBTD 2622'V/8191'M	²⁵ Perforations 3120'-8168'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8" 36# J-55 BTC	1200'	525 SXS (CIRC TO SURFACE)		
8-3/4"	7" 32# L-80 BK-HT	2824'	1480 SXS (CIRC TO SURFACE)		
8-3/4"	5-1/2" 20# L-80 BK-HT	8237'	1480 SXS 9CIRC TO SURFACE)		
	3-1/2" J-55 TBG	2790'			

V. Well Test Data

³¹ Date New Oil 05/08/2023	³² Gas Delivery Date 05/07/2023	³³ Test Date 06/08/2023	³⁴ Test Length 24-HOUR	³⁵ Tbg. Pressure 255	³⁶ Csg. Pressure 165
³⁷ Choke Size N/A	³⁸ Oil 365	³⁹ Water 2434	⁴⁰ Gas 1714		⁴¹ Test Method 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: 07/26/2023 Phone: 832-930-8613

OIL CONSERVATION DIVISION
Approved by:
Title:
Approval Date:

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 30-015-50160		² Pool Code 97565		³ Pool Name N. SEVEN RIVERS; GLORIETA-YESO	
⁴ Property Code 333554		⁵ Property Name ALTO AMM 21			⁶ Well Number 11H
⁷ OGRID NO. 328947		⁸ Operator Name SPUR ENERGY PARTNERS LLC.			⁹ Elevation 3471'

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
L	22	19S	25E		1890	SOUTH	438	WEST	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
L	21	19S	25E		1649	SOUTH	64	WEST	EDDY

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

<p>¹⁶ <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST</p> <p><u>SURFACE LOCATION (SL)</u> N: 598150.6 - E: 496275.8 LAT: 32.6442787° N LONG: 104.4797321° W</p> <p><u>FIRST TAKE POINT (FTP)</u> 1656' FSL & 118' FEL SEC 21 N: 597933.4 - E: 495721.3 LAT: 32.6436797° N LONG: 104.4815346° W MD = 3120.0 - TVD = 2616.0</p> <p><u>LAST TAKE POINT (LTP)</u> 1649' FSL & 133' FWL SEC 21 N: 597937.9 - E: 490674.1 LAT: 32.6436716° N LONG: 104.4979300° W MD = 8168.0 - TVD = 2622.3</p> <p><u>BOTTOM HOLE (BH)</u> N: 597937.2 - E: 490605.1 LAT: 32.6436694° N LONG: 104.4981542° W MD = 8237.0 - TVD = 2622.4</p> <p><u>CORNER DATA</u> NAD 83 GRID - NM EAST</p> <p>A: FOUND 10"X8"X2.5" LIMESTONE ROCK N: 596289.2 - E: 490540.3</p> <p>B: FOUND SPIKE NAIL N: 601644.8 - E: 490542.7</p> <p>C: FOUND 1/2" REBAR N: 601611.6 - E: 495833.4</p> <p>D: FOUND SPIKE NAIL N: 601616.1 - E: 498466.7</p> <p>E: FOUND 60D NAIL N: 601603.9 - E: 501084.3</p> <p>F: FOUND 1/2" REBAR N: 596091.2 - E: 501054.3</p> <p>G: FOUND 1/2" REBAR N: 596183.6 - E: 498448.0</p> <p>H: FOUND 1" PIPE N: 596277.3 - E: 495841.8</p> <p>I: FOUND 1/2" REBAR N: 596283.3 - E: 493191.2</p> <p>J: FOUND 1" IRON ROD N: 598944.5 - E: 495837.1</p>	<p>¹⁷ OPERATOR CERTIFICATION <i>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.</i></p> <p><i>Sarah Chapman</i> 04/20/2023 Signature Date</p> <p>SARAH CHAPMAN Printed Name</p> <p>SCHAPMAN@SPURENERGY.COM E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION <i>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.</i></p> <p>04/02/2023 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>19680 Certificate Number</p> <p>Job No: LS22070818AC</p>



February 06th , 2023

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

RE: SPUR ENERGY PARTNERS LLC 328947

Well: ALTO AMM 21 011H
POOLS:97565 N SEVEN RIVERS;GLORIETA-YESO
EDDY COUNTY, NM
API Number: 30-015-50160

Please find the attached surveys performed on the above referenced well by Prime Solution Services.

Other information required by your office is as follows:

Original Hole:

Surveyed Depths: 174'– 8174' MD projection to 8237MD
Date Performed: 12/23/2022 – 2/5/2023
Type of Survey: Directional Survey – MWD/IFR

A certified plat on which the bottom hole location is oriented both to the surface location and the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Joe Vocioni', is written over a blue horizontal line.

Joe Vocioni
MWD Operations Manager

713-517-3120

jvocioni@primesolutionsvcs.com

SPUR ENERGY PARTNERS LLC.

Eddy County, NM (NAD83) NMEZ Grid

ALTO AMM PAD

ALTO AMM 11H

Lateral

Design: Lateral AsDrilled

Standard Survey Report

06 February, 2023

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well ALTO AMM 11H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3472+20 @ 3492.00usft (AKITA57)
Site:	ALTO AMM PAD	MD Reference:	3472+20 @ 3492.00usft (AKITA57)
Well:	ALTO AMM 11H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	PRIME_EDM

Project	Eddy County, NM (NAD83) NMEZ Grid		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	ALTO AMM PAD				
Site Position:		Northing:	599,303.000 usft	Latitude:	32.6474464
From:	Map	Easting:	496,276.500 usft	Longitude:	-104.4797350
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.08 °

Well	ALTO AMM 11H					
Well Position	+N/-S	0.00 usft	Northing:	598,150.600 usft	Latitude:	32.6442788
	+E/-W	0.00 usft	Easting:	496,275.800 usft	Longitude:	-104.4797321
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,472.00 usft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	12/19/22	6.85	60.27	47,743.20000000

Design	Lateral AsDrilled				
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	270.13	

Survey Program	Date	02/06/23			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
174.00	1,130.00	Survey #1 (Lateral)	MWD+SAG+FDIR	OWSG MWD + Sag Correction + FDIR Correction	
1,274.00	8,171.00	Survey #2 (Lateral)	MWD+SAG+FDIR	OWSG MWD + Sag Correction + FDIR Correction	
8,237.00	8,237.00	Survey #3 (Lateral)	Projection	Projection	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174.00	1.00	339.00	173.99	1.42	-0.54	0.55	0.57	0.57	0.57	0.00
230.00	0.60	358.10	229.99	2.17	-0.73	0.73	0.85	-0.71	0.85	34.11
318.00	1.80	107.50	317.97	2.21	0.57	-0.57	2.36	1.36	2.36	124.32
412.00	3.80	109.10	411.85	0.75	4.93	-4.92	2.13	2.13	2.13	1.70
507.00	6.20	105.40	506.49	-1.64	12.85	-12.85	2.55	2.53	2.53	-3.89
601.00	8.70	113.60	599.69	-5.84	24.26	-24.27	2.88	2.66	2.66	8.72
696.00	9.90	121.90	693.44	-13.03	37.78	-37.81	1.89	1.26	1.26	8.74
790.00	11.00	123.50	785.88	-22.25	52.12	-52.17	1.21	1.17	1.17	1.70

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well ALTO AMM 11H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3472+20 @ 3492.00usft (AKITA57)
Site:	ALTO AMM PAD	MD Reference:	3472+20 @ 3492.00usft (AKITA57)
Well:	ALTO AMM 11H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	PRIME_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
885.00	12.40	119.60	878.91	-32.29	68.54	-68.62	1.69	1.47	-4.11	
979.00	14.10	116.30	970.40	-42.35	87.58	-87.68	1.98	1.81	-3.51	
1,074.00	15.70	115.20	1,062.21	-52.95	109.59	-109.71	1.71	1.68	-1.16	
1,130.00	16.30	115.40	1,116.04	-59.55	123.55	-123.68	1.08	1.07	0.36	
1,274.00	16.15	114.39	1,254.30	-76.49	160.04	-160.21	0.22	-0.10	-0.70	
1,399.00	16.19	114.50	1,374.36	-90.89	191.73	-191.94	0.04	0.03	0.09	
1,525.00	16.03	116.24	1,495.41	-105.87	223.32	-223.56	0.40	-0.13	1.38	
1,651.00	15.75	116.49	1,616.59	-121.19	254.23	-254.50	0.23	-0.22	0.20	
1,713.00	13.20	125.20	1,676.63	-129.03	267.55	-267.84	5.40	-4.11	14.05	
1,776.00	10.49	149.27	1,738.32	-138.11	276.36	-276.68	8.85	-4.30	38.21	
1,839.00	11.04	178.99	1,800.26	-149.08	279.40	-279.74	8.76	0.87	47.17	
1,901.00	13.38	199.98	1,860.88	-161.76	277.05	-277.42	8.03	3.77	33.85	
1,964.00	16.45	213.54	1,921.77	-176.06	269.63	-270.03	7.35	4.87	21.52	
2,027.00	19.39	227.21	1,981.73	-190.61	257.02	-257.45	8.12	4.67	21.70	
2,090.00	22.10	239.44	2,040.67	-203.74	239.13	-239.59	8.09	4.30	19.41	
2,153.00	24.05	252.40	2,098.66	-213.66	216.67	-217.15	8.62	3.10	20.57	
2,216.00	28.08	261.20	2,155.27	-219.81	189.76	-190.26	8.85	6.40	13.97	
2,279.00	33.40	265.82	2,209.40	-223.35	157.79	-158.29	9.23	8.44	7.33	
2,342.00	38.85	268.02	2,260.27	-225.30	120.71	-121.23	8.89	8.65	3.49	
2,405.00	44.30	268.33	2,307.38	-226.62	78.94	-79.46	8.66	8.65	0.49	
2,468.00	49.74	269.86	2,350.32	-227.32	32.88	-33.40	8.82	8.63	2.43	
2,530.00	55.10	271.15	2,388.12	-226.87	-16.23	15.72	8.80	8.65	2.08	
2,593.00	60.32	271.45	2,421.76	-225.66	-69.46	68.95	8.30	8.29	0.48	
2,624.00	60.98	271.71	2,436.96	-224.91	-96.47	95.96	2.25	2.13	0.84	
2,655.00	61.19	271.69	2,451.95	-224.11	-123.59	123.08	0.68	0.68	-0.06	
2,687.00	61.54	271.70	2,467.28	-223.28	-151.67	151.16	1.09	1.09	0.03	
2,718.00	61.67	271.74	2,482.02	-222.46	-178.92	178.42	0.43	0.42	0.13	
2,749.00	61.90	271.91	2,496.68	-221.59	-206.23	205.72	0.89	0.74	0.55	
2,781.00	61.98	271.97	2,511.73	-220.63	-234.45	233.95	0.30	0.25	0.19	
2,793.00	62.08	271.97	2,517.36	-220.27	-245.04	244.54	0.83	0.83	0.00	
2,844.00	64.83	271.45	2,540.15	-218.91	-290.64	290.14	5.47	5.39	-1.02	
2,906.00	69.95	271.01	2,563.98	-217.68	-347.84	347.35	8.28	8.26	-0.71	
2,970.00	72.56	270.92	2,584.54	-216.66	-408.43	407.94	4.08	4.08	-0.14	
3,032.00	77.46	269.78	2,600.57	-216.31	-468.30	467.81	8.10	7.90	-1.84	
3,095.00	80.15	269.35	2,612.81	-216.78	-530.10	529.60	4.32	4.27	-0.68	
3,157.00	84.90	268.75	2,620.87	-217.80	-591.54	591.05	7.72	7.66	-0.97	
3,221.00	89.79	268.58	2,623.83	-219.29	-655.44	654.94	7.65	7.64	-0.27	
3,346.00	89.74	269.07	2,624.35	-221.85	-780.41	779.91	0.39	-0.04	0.39	
3,471.00	89.62	269.29	2,625.04	-223.64	-905.40	904.89	0.20	-0.10	0.18	
3,595.00	90.24	270.80	2,625.19	-223.54	-1,029.39	1,028.88	1.32	0.50	1.22	
3,721.00	90.23	270.77	2,624.68	-221.81	-1,155.38	1,154.87	0.03	-0.01	-0.02	
3,847.00	89.89	270.67	2,624.55	-220.23	-1,281.37	1,280.87	0.28	-0.27	-0.08	
3,972.00	89.37	269.88	2,625.35	-219.63	-1,406.36	1,405.86	0.76	-0.42	-0.63	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well ALTO AMM 11H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3472+20 @ 3492.00usft (AKITA57)
Site:	ALTO AMM PAD	MD Reference:	3472+20 @ 3492.00usft (AKITA57)
Well:	ALTO AMM 11H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	PRIME_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,098.00	89.96	270.50	2,626.09	-219.21	-1,532.36	1,531.86	0.68	0.47	0.49	
4,222.00	89.69	270.33	2,626.47	-218.31	-1,656.36	1,655.86	0.26	-0.22	-0.14	
4,348.00	90.25	270.73	2,626.53	-217.15	-1,782.35	1,781.85	0.55	0.44	0.32	
4,474.00	89.90	270.46	2,626.37	-215.84	-1,908.34	1,907.85	0.35	-0.28	-0.21	
4,600.00	90.61	270.50	2,625.81	-214.79	-2,034.34	2,033.84	0.56	0.56	0.03	
4,725.00	90.84	270.53	2,624.23	-213.66	-2,159.32	2,158.83	0.19	0.18	0.02	
4,850.00	90.58	270.32	2,622.68	-212.73	-2,284.31	2,283.82	0.27	-0.21	-0.17	
4,976.00	90.04	270.06	2,622.00	-212.32	-2,410.30	2,409.82	0.48	-0.43	-0.21	
5,103.00	89.88	269.75	2,622.09	-212.53	-2,537.30	2,536.82	0.27	-0.13	-0.24	
5,229.00	89.19	269.46	2,623.11	-213.40	-2,663.30	2,662.81	0.59	-0.55	-0.23	
5,355.00	89.01	269.44	2,625.09	-214.61	-2,789.27	2,788.78	0.14	-0.14	-0.02	
5,480.00	90.97	269.63	2,625.11	-215.62	-2,914.26	2,913.77	1.58	1.57	0.15	
5,606.00	90.61	268.43	2,623.37	-217.75	-3,040.23	3,039.73	0.99	-0.29	-0.95	
5,731.00	90.61	269.06	2,622.04	-220.49	-3,165.19	3,164.69	0.50	0.00	0.50	
5,858.00	91.63	270.94	2,619.56	-220.49	-3,292.16	3,291.65	1.68	0.80	1.48	
5,979.00	91.32	270.59	2,616.44	-218.88	-3,413.11	3,412.61	0.39	-0.26	-0.29	
6,098.00	90.05	271.77	2,615.02	-216.42	-3,532.07	3,531.57	1.46	-1.07	0.99	
6,219.00	89.90	271.42	2,615.07	-213.06	-3,653.03	3,652.53	0.31	-0.12	-0.29	
6,337.00	88.72	271.82	2,616.49	-209.72	-3,770.97	3,770.48	1.06	-1.00	0.34	
6,458.00	88.65	271.78	2,619.27	-205.92	-3,891.88	3,891.40	0.07	-0.06	-0.03	
6,576.00	88.78	270.65	2,621.92	-203.42	-4,009.82	4,009.35	0.96	0.11	-0.96	
6,695.00	89.75	270.19	2,623.44	-202.55	-4,128.80	4,128.33	0.90	0.82	-0.39	
6,816.00	89.43	270.10	2,624.31	-202.24	-4,249.80	4,249.33	0.27	-0.26	-0.07	
6,936.00	89.44	270.05	2,625.49	-202.08	-4,369.79	4,369.32	0.04	0.01	-0.04	
7,057.00	88.93	269.74	2,627.21	-202.31	-4,490.78	4,490.31	0.49	-0.42	-0.26	
7,183.00	89.74	269.36	2,628.68	-203.30	-4,616.77	4,616.29	0.71	0.64	-0.30	
7,308.00	90.47	269.63	2,628.45	-204.40	-4,741.76	4,741.29	0.62	0.58	0.22	
7,434.00	91.00	269.69	2,626.83	-205.15	-4,867.75	4,867.27	0.42	0.42	0.05	
7,560.00	90.78	269.53	2,624.87	-206.00	-4,993.73	4,993.25	0.22	-0.17	-0.13	
7,685.00	90.38	269.33	2,623.61	-207.25	-5,118.72	5,118.23	0.36	-0.32	-0.16	
7,811.00	89.95	269.28	2,623.25	-208.77	-5,244.71	5,244.22	0.34	-0.34	-0.04	
7,936.00	89.98	269.26	2,623.32	-210.37	-5,369.70	5,369.21	0.03	0.02	-0.02	
8,063.00	90.60	269.52	2,622.68	-211.72	-5,496.69	5,496.19	0.53	0.49	0.20	
8,171.00	89.87	269.41	2,622.24	-212.73	-5,604.68	5,604.18	0.68	-0.68	-0.10	
8,237.00	89.87	269.41	2,622.39	-213.41	-5,670.68	5,670.18	0.00	0.00	0.00	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well ALTO AMM 11H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3472+20 @ 3492.00usft (AKITA57)
Site:	ALTO AMM PAD	MD Reference:	3472+20 @ 3492.00usft (AKITA57)
Well:	ALTO AMM 11H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	PRIME_EDM

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
ALTO 11H ESTKOP 188 - actual wellpath hits target center - Point	0.00	360.00	2,517.36	-220.27	-245.04	597,930.333	496,030.758	32.6436724	-104.4805272
ALTO 11H SECX 188FS - actual wellpath hits target center - Point	0.00	0.00	2,592.86	-216.35	-436.94	597,934.255	495,838.858	32.6436825	-104.4811507
ALTO 11H 80° 1888FSL - actual wellpath hits target center - Point	0.00	0.00	2,612.20	-216.74	-526.64	597,933.863	495,749.159	32.6436811	-104.4814421
ALTO 11H FTP 1888FSL - actual wellpath hits target center - Point	0.00	360.00	2,613.89	-216.85	-536.51	597,933.748	495,739.294	32.6436807	-104.4814742
ALTO 11H LTP 1649FSL - actual wellpath misses target center by 30.00usft at 8171.00usft MD (2622.24 TVD, -212.73 N, -5604.68 E) - Point	0.00	0.00	2,622.30	-213.04	-5,634.68	597,937.563	490,641.121	32.6436706	-104.4980372
ALTO 11H TD 1648FSL - actual wellpath hits target center - Point	0.00	0.00	2,622.39	-213.41	-5,670.68	597,937.192	490,605.123	32.6436694	-104.4981542

Design Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
		+N/-S	+E/-W		
(usft)	(usft)	(usft)	(usft)		
2,793.00	2,517.36	-220.27	-245.04	ESTKOP 1886FSL_192FWL	
2,999.70	2,592.86	-216.34	-436.94	SECX 188FSL_0FWL/FEL	
3,091.49	2,612.20	-216.74	-526.64	80° 1888FSL_90FEL	
3,101.50	2,613.89	-216.85	-536.51	FTP 1888FSL_100FEL	
6,456.00	2,619.22	-205.98	-3,889.88	WELLPATH XING PATRIOT AIZ 10	
8,201.00	2,622.30	-213.04	-5,634.68	LTP 1649FSL_100FWL AD	
8,237.00	2,622.39	-213.41	-5,670.68	TD 1648FSL_65FWL AD	

Checked By: _____ Approved By: _____ Date: _____

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015- 50160		2 Pool Code 97565		3 Pool Name N. SEVEN RIVERS; GLORIETA-YESO	
4 Property Code 333554		5 Property Name ALTO AMM 21			6 Well Number 11H
7 GRID NO. 328947		8 Operator Name SPUR ENERGY PARTNERS LLC.			9 Elevation 3471'

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
L	22	19S	25E		1890	SOUTH	438	WEST	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
L	21	19S	25E		1659	SOUTH	50	WEST	EDDY

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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: 598150.6 - E: 496275.8
LAT: 32.6442787° N
LONG: 104.4797321° W

FIRST TAKE POINT (FTP)
1659' FSL & 100' FEL SEC 21
N: 597936.1 - E: 495738.9
LAT: 32.6436871° N
LONG: 104.4814755° W

LAST TAKE POINT (LTP)
1659' FSL & 100' FWL SEC 21
N: 597947.5 - E: 490641.0
LAT: 32.6436980° N
LONG: 104.4980376° W

BOTTOM HOLE (BH)
N: 597947.6 - E: 490591.0
LAT: 32.6436981° N
LONG: 104.4982000° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND 10"x8"x2.5" LIMESTONE ROCK
N: 596289.2 - E: 490540.3

B: FOUND SPIKE NAIL
N: 601644.8 - E: 490542.7

C: FOUND 1/2" REBAR
N: 601611.6 - E: 495833.4

D: FOUND SPIKE NAIL
N: 601616.1 - E: 498466.7

E: FOUND 60D NAIL
N: 601603.9 - E: 501084.3

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

G: FOUND 1/2" REBAR
N: 596183.6 - E: 498448.0

H: FOUND 1" PIPE
N: 596277.3 - E: 495841.8

I: FOUND 1/2" REBAR
N: 596283.3 - E: 493191.2

J: FOUND 1" IRON ROD
N: 598944.5 - E: 495837.1

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 11/03/2022
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.

7/08/22
Date of Survey

Signature and Seal of Professional Surveyor

19680
Certificate Number

Bottom Hole Location: Prime Solution Services MWD Original hole: Final Station 8171MD Displacement = 5608.72' at a 267.83 Azimuth API # 30-015-50160

Job No: LS22070818

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

KZ 06/29/2018

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
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> 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 ALTO AMM 21 6. Well Number: 11H
---	---

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:	L	22	19S	25E		1890	SOUTH	438	WEST	EDDY
BH:	L	21	19S	25E		1649	SOUTH	64	WEST	EDDY

13. Date Spudded 12/23/2022	14. Date T.D. Reached 02/05/2023	15. Date Rig Released 02/07/2023	16. Date Completed (Ready to Produce) 04/27/2023	17. Elevations (DF and RKB, RT, GR, etc.) 3471' GR
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18. Total Measured Depth of Well 2622'V/8237'M	19. Plug Back Measured Depth 2622'V/8191'M	20. Was Directional Survey Made? YES	21. Type Electric and Other Logs Run GAMMA RAY
--	--	--	--

22. Producing Interval(s), of this completion - Top, Bottom, Name
3120'-8168' LOWER PADDOCK

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#	1200'	12-1/4"	525 SXS (CIRC TO SURFACE)	0
7"	32#	2824'	8-3/4"	1480 SXS (CIRC TO SURFACE)	0
5-1/2"	20#	8237'	8-3/4"	1480 SXS (CIRC TO SURFACE)	0

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					3-1/2"	2790'	

26. Perforation record (interval, size, and number) 03/25/2023 RIH & cleanout to PBTD @ 8191'. RIH & perf from 3120'-8168', total shots 900/ft @ 0.42 shot size. Frac in 25 stages w/ 12058914 gal slickwater and 5002211# sand. 04/03/2023 rig down wireline and cleanout. 04/21/2023 RIH w/ 3-1/2" J-55 tbg @ 2790'.	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>3120'-8168'</td> <td>12058914 GAL SLICKWATER AND 5002211# SAND</td> </tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	3120'-8168'	12058914 GAL SLICKWATER AND 5002211# SAND
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED				
3120'-8168'	12058914 GAL SLICKWATER AND 5002211# SAND				

28. PRODUCTION

Date First Production 05/08/2023	Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) PUMPING ON ESP	Well Status (<i>Prod. or Shut-in</i>) PRODUCING
--	---	---

Date of Test 06/08/2023	Hours Tested 24-HOUR	Choke Size N/A	Prod'n For Test Period 365	Oil - Bbl 365	Gas - MCF 1714	Water - Bbl. 2434	Gas - Oil Ratio
-----------------------------------	--------------------------------	--------------------------	--------------------------------------	-------------------------	--------------------------	-----------------------------	-----------------

Flow Tubing Press. 255	Casing Pressure 165	Calculated 24-Hour Rate	Oil - Bbl. 365	Gas - MCF 1714	Water - Bbl. 2434	Oil Gravity - API - (<i>Corr.</i>)
----------------------------------	-------------------------------	-------------------------	--------------------------	--------------------------	-----------------------------	--------------------------------------

29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD	30. Test Witnessed By JERRY MATHEWS
--	---

31. List Attachments
FINAL DIRECTIONAL, AS-DRILLED PLAT, C-104 AND SUPPLEMENTAL

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 **REGULOATYR DIRECTOR** Date **07/26/2023**
 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 345'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 705'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2250'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 2370'	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry 3065'	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	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
345'	705'	460'	DOLOMITE				
705'	2250'	1545'	DOLOMITE, SILTSTONE				
2250'	2370'	120'	DOLOMITE, LIMESTONE				
2370'	3065'	695'	DOLOMITE, LIMESTONE				

API #	30-015-50160	Alto Amm 21 11H	County, ST	Eddy County, NM
Operator	Spur Energy Partners		Sec-Twn-Rng	22-19S-25E
Field	North Seven Rivers		Footage	1890' FSL and 438' FWL
Spud Date	2/22/2023		Survey	

RKB	3491'
GL	3471'

Hole Size	12-1/4"
TOC	surf
Method	circ returns

Csg Depth	1200'
Size	9-5/8"
Weight	36ppf
Grade	J55
Connections	BTC
Cement	525sx

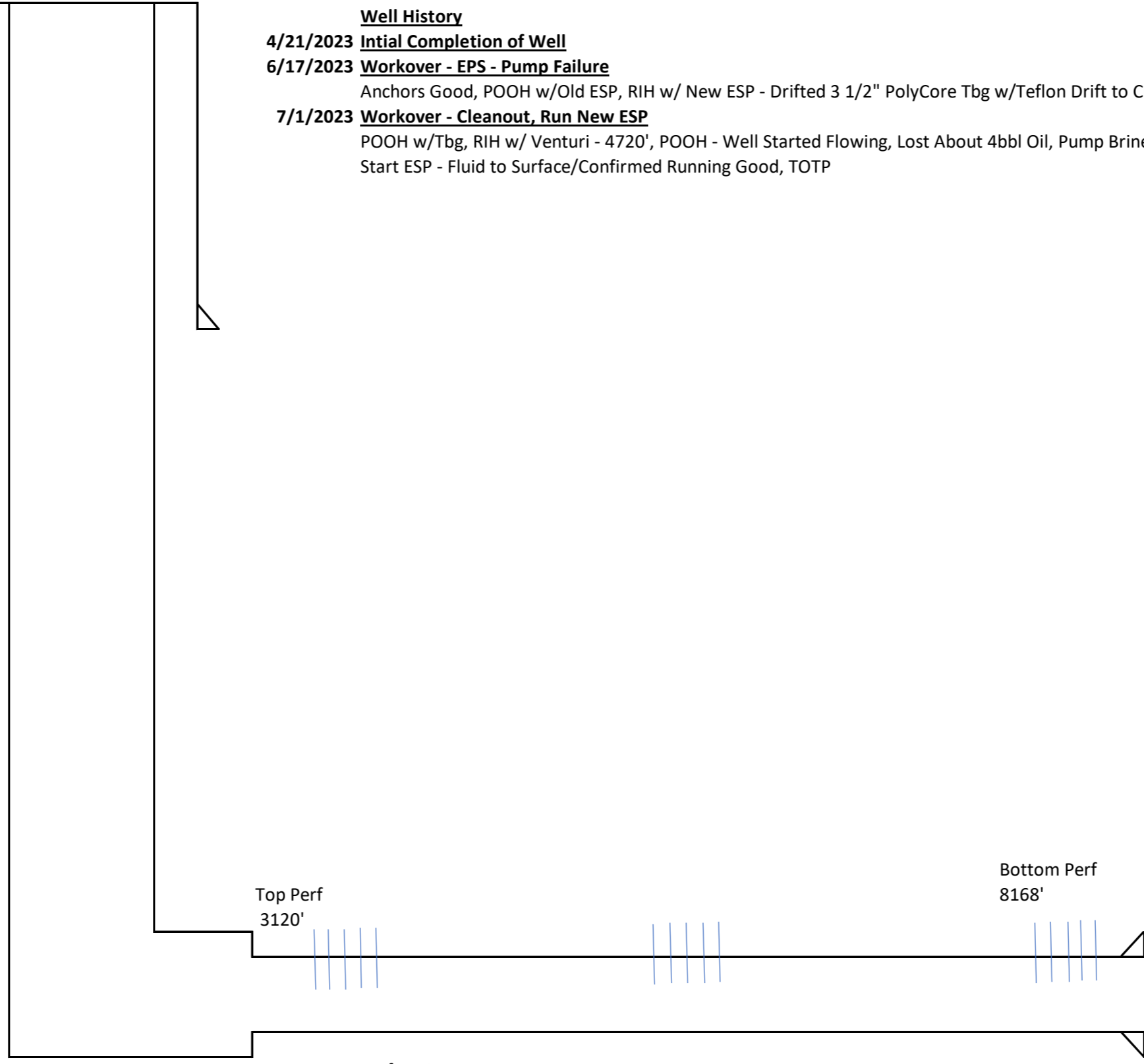
Surface csg

Hole Size	8-3/4"	8-3/4"
TOC	surf	
Method	circ returns	

Int/Prod csg

Csg Depth	2824'	8237'
Size	7"	5-1/2"
Weight	32ppf	20ppf
Grade	L80	L80
Connections	BTC	BTC
Cement	1480sx	

Well History
4/21/2023 Intial Completion of Well
6/17/2023 Workover - EPS - Pump Failure
 Anchors Good, POOH w/Old ESP, RIH w/ New ESP - Drifted 3 1/2" PolyCore Tbg w/Teflon Drift to Check PolyCore Liner, Started ESP - Fluid to Surface, TOTP
7/1/2023 Workover - Cleanout, Run New ESP
 POOH w/Tbg, RIH w/ Venturi - 4720', POOH - Well Started Flowing, Lost About 4bbl Oil, Pump Brine - Kill Well, RIH to 7960', POOH, Inspect ESP, RIH w/ESP Start ESP - Fluid to Surface/Confirmed Running Good, TOTP



Top Perf 3120'

Bottom Perf 8168'

Perforations
 Top: 3120'
 Bottom: 8168'

PBTD	7945'
TD MD	8237'
TD TVD	2623'

Tubing Detail				
Jts	Size	Depth	Length	Detail
		20		KB
79	3 1/2"	2,600.15	2,580.15	3 1/2" J-55 8rd EUE Polycore Tubing
3	3 1/2"	2,698.29	98.14	3 1/2" J-55 8rd EUE Ultra Tubing
	3 1/2"	2,698.84	0.55	3 1/2" Bolt On Head
	3 1/2"	2,706.59	7.75	PMP,400,035 STAGE SF2700
	3 1/2"	2,728.41	21.82	PMP,400,SF3550,73S,INC,15,1:3AR
	3 1/2"	2,733.51	5.10	GS,400,TDM,H2X,SS,INC,D15
	3 1/2"	2,741.71	8.20	SEAL,400 SERIES,BPBSL,INCONEL SHAFT,UT,SLUB,HD
	3 1/2"	2,749.91	8.20	SEAL,400 SERIES,BPBSL,INCONEL SHAFT,SLUB,HD
	3 1/2"	2,763.31	13.40	MTR,456,FM,S2,105/1725/43, 7 ROTAR
	3 1/2"	2,766.61	3.30	SEN,S/A,177C5CHAN,W/456HD,SS
	2 3/8"	2,772.61	6.00	2 3/8 Pup Joint
	2 3/8"	2,773.11	0.50	2 3/8 Bull Plug

Rod Detail					
Rods	Size	Depth	Length	Guides	Detail

Last Update	7/17/2023
By	Cristian Gonzalez

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 244788

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 244788
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 244788

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 244788
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	5/1/2026