

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88240		² OGRID Number 14744	
⁴ API Number 30-015-48895		³ Reason for Filing Code/ Effective Date NW / 03/30/2022	
⁵ Pool Name Purple Sage; Wolfcamp (gas)		⁶ Pool Code 98220	
⁷ Property Code 331352		⁹ Well Number 1H	
⁸ Property Name San Lorenzo 9 W00B Fee			

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
O	9	25S	28E		300	South	2640	East	Eddy

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
B	9	25S	28E		318	North	1699	East	Eddy
¹² Lse Code S	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 03/30/2022	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

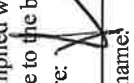
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
35246	Shelly Trading US Co PO Box 4604 Houston, TX 77210-4604	O
282301	Crestwood New Mexico Pipeline 801 Cherry Street, Suite 3800 Fort Worth, TX 76102	G

IV. Well Completion Data

²¹ Spud Date 11/22/2021	²² Ready Date 03/30/2022	²³ TD 14130'	²⁴ PBTD 14114'	²⁵ Perforations 9604' – 14083'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set			
17 ½"	13 ¾"	419			
12 ¼" 8 ¾"	9 5/8" 7"	2450 8850 MD			
6 ½"	4 ½" Liner	8594 - 14130'			

V. Well Test Data

³¹ Date New Oil 03/30/2022	³² Gas Delivery Date 03/30/2022	³³ Test Date 4/25/22	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 1350
³⁷ Choke Size 27/64"	³⁸ Oil 661	³⁹ Water 2080	⁴⁰ Gas 1362	⁴¹ Test Method Production	
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: 			Approved by:		
Printed name: Ruby Caballero Ojeda			Title:		
Title: Regulatory			Approval Date:		
E-mail Address: rcaballero@mewbourne.com					
Date:	05/31/2022		Phone:		

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 30-015-48895	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 331352	⁵ Property Name SAN LORENZO 9 WOOB FEE	
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 2971'

¹⁰ Surface Location

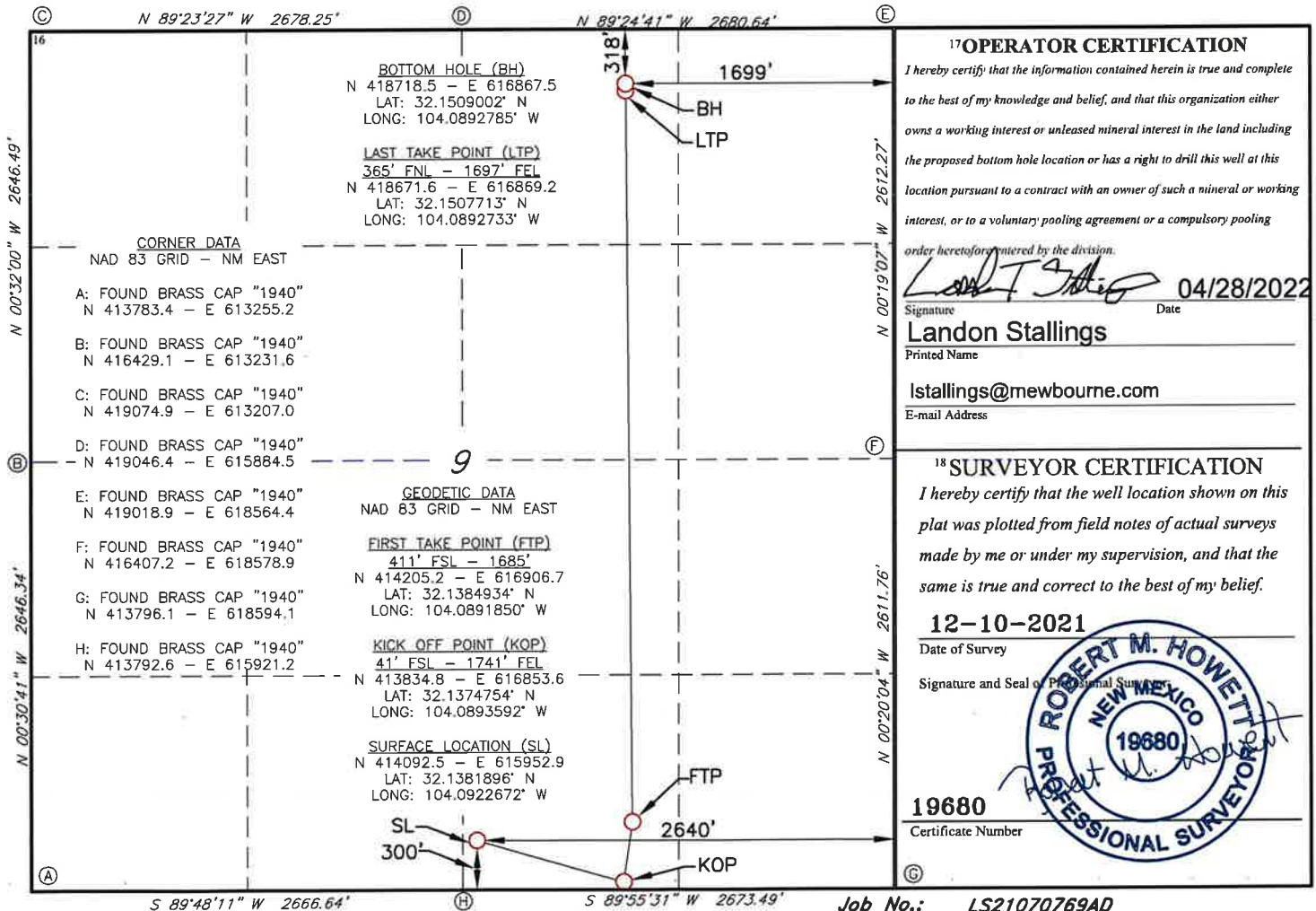
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	9	25S	28E		300	SOUTH	2640	EAST	EDDY

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
B	9	25S	28E		318	NORTH	1699	EAST	EDDY

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

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.



Plan #1



MEWBOURNE
OIL COMPANY

Project: Eddy Co., NM (NAD 83)
Site: San Lorenzo 9 Pool
Well: San Lorenzo 9 WOCB Fee #1H
Wellbore: OH
Design: Plan #1
Lot: 32.138189
Long: -104.092267
GL: 2971.00
KB: KB-28 @ 2999.00usf (Peterson 263)

WELL DETAILS: San Lorenzo 9 WOCB Fee #1H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	414092.50	615952.90	32.138189	-104.092267

WELLBORE TARGET DETAILS (LAT/LONG)

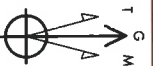
Name	TVD	+N/-S	+E/-W	Northing	Easting	Slope
San Lorenzo 9 WOCB Fee #1H BH	8871.04	-288.60	961.13	413803.90	616914.03	Point
San Lorenzo 9 WOCB Fee #1H PBHL	9444.00	4613.70	933.80	418706.20	616886.70	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dip	Trace	Used	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Build 1.57/100'
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	Turn 1.57/100'
1197.33	7.46	113.00	1195.93	-12.63	29.76	1.50	113.00	-6.48	6064' Hdd
2307.33	7.46	113.00	2296.53	-68.94	162.42	0.00	0.00	-35.36	Drop 1.57/100'
2373.61	7.46	105.34	2362.26	-71.76	170.53	1.50	-93.73	-36.51	6064' Hdd
8437.74	7.46	105.34	8375.03	-280.05	929.94	0.00	0.00	-92.24	Build 107/100'
8935.15	0.00	0.00	8871.04	-288.60	961.13	1.50	180.00	468.69	4329' Hdd
9835.15	90.00	359.68	9444.00	284.35	957.93	10.00	359.68	4707.25	TD at 14164.57
14164.57	90.00	359.68	9444.00	4613.70	933.80	0.00	0.00		

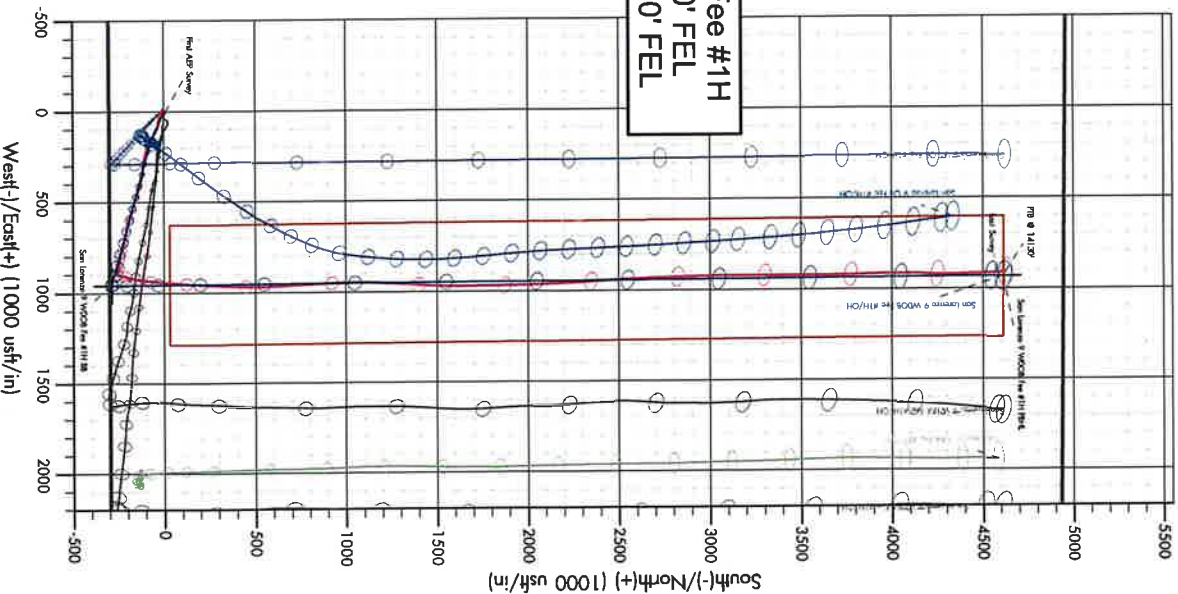
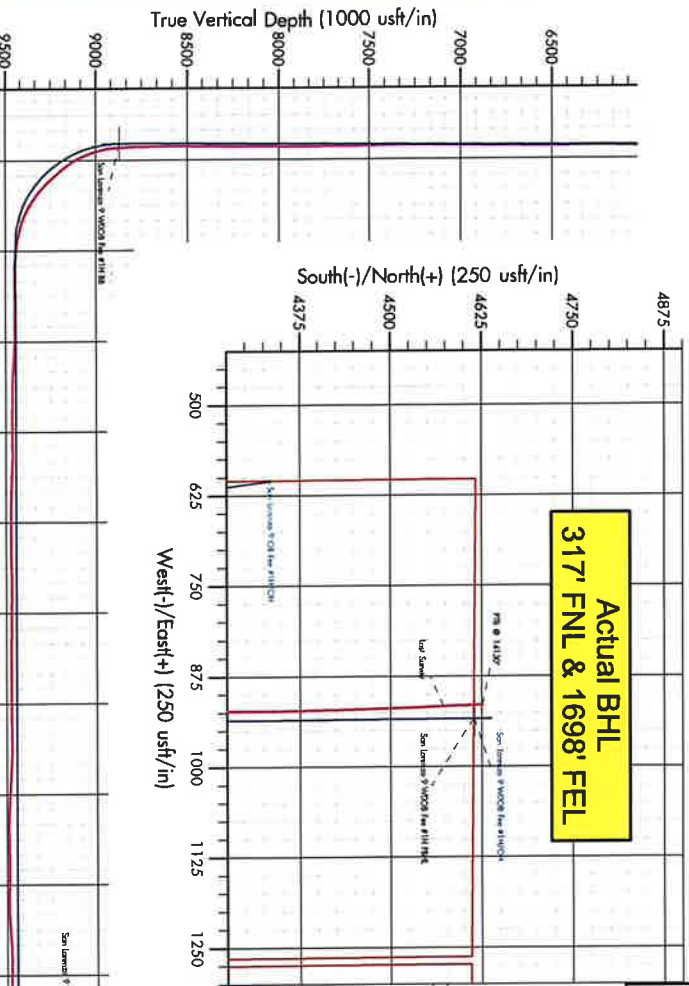
Actual BHL
317' FNL & 1698' FEL

San Lorenzo 9 WOCB Fee #1H
SHL: 300' FSL & 2640' FEL
PBHL: 330' FNL & 1680' FEL



Azimuths to Grid North
True North: -0.13°
Magnetic North: 6.67°
Magnetic Field
Strength: 47623.2nT
Dip Angle: 59.77°
Date: 9/12/2021
Model: HDGM2021

330' FNL Hard Line
300' FSL Hard Line
1350' FEL Hard Line
2010' FEL Hard Line



Plan: Plan #1 [San Lorenzo 9 WOCB Fee #1H/CH]
Created By: Dusty Meyer Date: 5/18/2022

LEITITUD ENERGY PARTNERS



08 December, 2021

Standard Survey Report

Design: OH

OH

San Lorenzo 9 W00B Fee #1H
San Lorenzo 9 Pad

Eddy Co., NM (NAD 83)

Mewbourne Oil Company

MWBOURNE
OIL COMPANY



Company: Mewbourne Oil Company										Project: Eddy Co., NM (NAD 83)										Map System: US State Plane 1983										Geo Datum: North American Datum 1983										Map Zone: New Mexico Eastern Zone									
Site: San Lorenzo 9 Pad										Well: San Lorenzo 9 W00B Fee #1H										Wellbore: OH										Design: OH										Database: EDM 5000.1 Single User Db									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)										MD Reference: KB=28' @ 2999.00usft (Patterson 263)										North Reference: Grd										Survey Calculation Method: Minimum Curvature										Local Co-ordinate Reference: Well San Lorenzo 9 W00B Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)																																																	

12/8/2021 5:17:27AM

Page 3

COMPASS 5000.16 Build 97

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)
4,978.00	8.32	106.82	4,937.11	-170.09	529.71	-61.63	0.54	-0.54	-0.33
4,883.00	8.83	107.13	4,843.18	-165.95	516.16	-60.26	0.52	0.51	-0.48
4,787.00	8.34	107.59	4,748.25	-161.68	502.48	-58.78	0.66	0.59	-2.19
4,692.00	7.78	109.67	4,654.19	-157.43	489.86	-57.12	0.88	0.86	-1.17
4,597.00	6.96	110.78	4,559.98	-153.22	478.42	-55.27	0.81	-0.58	4.41
4,501.00	7.52	106.55	4,464.74	-149.37	466.96	-53.77	0.23	-0.22	0.48
4,407.00	7.73	106.10	4,371.57	-145.86	454.99	-52.71	0.97	0.78	-4.47
4,312.00	6.99	110.35	4,277.36	-142.08	443.43	-51.29	0.64	-0.45	3.58
4,217.00	7.42	106.95	4,183.11	-138.28	432.14	-49.81	0.35	-0.34	0.30
4,121.00	7.75	106.66	4,087.95	-134.62	420.01	-48.62	0.91	-0.86	-1.98
4,025.00	8.58	108.56	3,992.92	-130.48	407.02	-47.15	0.51	-0.51	0.46
3,930.00	9.06	108.12	3,899.04	-125.90	393.20	-45.40	0.61	0.14	3.78
3,835.00	8.93	104.53	3,805.21	-121.73	378.95	-44.13	1.67	1.51	5.13
3,740.00	7.50	99.66	3,711.19	-118.84	365.70	-43.93	0.30	-0.05	2.22
3,644.00	7.55	97.53	3,616.01	-116.96	353.27	-44.55	0.71	0.68	1.41
3,549.00	6.90	96.19	3,521.77	-115.53	341.41	-45.50	0.44	0.37	2.12
3,454.00	6.55	94.18	3,427.42	-114.52	330.33	-46.71	0.36	-0.36	0.24
3,360.00	6.89	93.95	3,334.07	-113.74	319.36	-48.12	1.18	-1.17	-1.07
3,265.00	8.00	94.97	3,239.87	-112.77	307.09	-49.61	0.51	-0.32	-2.84
3,170.00	8.30	97.67	3,145.83	-111.28	293.71	-50.81	0.15	0.15	-0.22
3,074.00	8.16	97.88	3,050.82	-109.42	280.09	-51.69	0.62	-0.59	-1.21
2,979.00	8.72	99.03	2,956.85	-107.37	266.30	-52.41	0.22	-0.06	-1.38
2,883.00	8.78	100.35	2,861.96	-104.91	251.91	-52.85	1.64	0.74	-10.01
2,788.00	8.08	109.66	2,767.99	-101.34	238.50	-52.01	0.18	0.15	0.72
2,692.00	7.94	109.17	2,672.92	-96.87	225.89	-50.14	1.71	1.71	-0.03
2,597.00	6.32	109.20	2,578.66	-93.00	214.75	-48.55	0.70	0.36	-5.62
2,502.00	5.98	114.54	2,484.21	-89.22	205.31	-46.72	0.81	-0.81	-0.16
2,396.00	6.84	114.71	2,378.87	-84.29	194.55	-44.02	0.69	-0.66	1.55
2,298.00	7.49	113.19	2,281.64	-79.33	183.38	-41.38	0.03	-0.01	-0.24
2,204.00	7.50	113.42	2,188.44	-74.48	172.12	-38.86	0.26	-0.25	-0.58
2,109.00	7.74	113.97	2,094.28	-69.42	160.59	-36.18	2.24	-2.18	-3.41
2,015.00	9.79	117.18	2,001.38	-63.20	147.69	-32.64	1.41	-1.38	-1.74
1,920.00	11.10	118.83	1,907.96	-55.10	132.49	-27.72	2.85	2.84	1.24
1,826.00	8.43	117.66	1,815.33	-47.53	118.46	-23.09	1.91	1.83	4.23
1,732.00	6.71	113.68	1,722.15	-42.13	107.33	-20.00	1.08	-1.07	-0.61
1,637.00	7.73	114.26	1,627.90	-37.28	96.42	-17.41	0.95	0.06	7.05
1,543.00	7.67	107.63	1,534.75	-32.78	84.68	-15.33	1.81	0.20	13.67
1,448.00	7.48	94.64	1,440.57	-30.36	72.47	-15.38	1.37	-1.35	-1.77
1,354.00	8.75	96.30	1,347.51	-29.08	59.27	-16.74	0.35	-0.34	-0.64
1,259.00	9.07	96.91	1,253.66	-27.38	44.65	-17.98	0.98	-0.89	2.51
1,165.00	9.91	94.55	1,160.95	-25.85	29.23	-19.54	1.92	0.80	-10.54
1,070.00	9.15	104.56	1,067.25	-23.30	13.77	-20.11	5.33	0.97	-35.20
976.00	8.24	137.65	974.28	-16.44	1.99	-15.72	3.79	1.49	-26.89

Company:	Mewbourne Oil Company
Project:	Eddy Co., NM (NAD 83)
Well:	San Lorenzo 9 Pad
Wellbore:	San Lorenzo 9 WOB Fee #1H
Design:	OH
Database:	OH
Survey Calculation Method:	Minimum Curvature
North Reference:	EDM 5000.1 Single User Db
MD Reference:	KB=28' @ 2999.00usft (Patterson 263)
TVD Reference:	KB=28' @ 2999.00usft (Patterson 263)
Local Co-ordinate Reference:	Well San Lorenzo 9 WOB Fee #1H

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)
5,074.00	7.36	105.54	5,032.22	-173.74	542.28	-62.72	1.02	-1.00	-1.33
5,169.00	6.88	107.52	5,126.48	-177.09	553.57	-63.75	0.57	-0.51	2.08
5,264.00	6.50	106.12	5,220.84	-180.29	564.16	-64.79	0.44	-0.40	-1.47
5,360.00	6.20	108.25	5,316.25	-183.42	574.30	-65.85	0.40	-0.31	2.22
5,454.00	7.87	103.72	5,409.54	-186.54	585.38	-66.71	1.87	1.78	-4.82
5,550.00	8.34	104.65	5,504.58	-189.86	598.50	-67.36	0.51	0.49	0.97
5,645.00	7.42	104.25	5,598.68	-193.11	611.11	-68.05	0.97	-0.97	-0.42
5,740.00	7.24	104.07	5,692.90	-196.08	622.86	-68.62	0.19	-0.19	-0.19
5,835.00	6.79	105.50	5,787.19	-199.03	634.08	-69.29	0.51	-0.47	1.51
5,930.00	6.72	104.42	5,881.53	-201.92	644.87	-69.98	0.15	-0.07	-1.14
6,025.00	8.00	108.89	5,975.75	-205.44	656.51	-71.13	1.48	1.35	4.71
6,119.00	8.50	109.68	6,068.78	-209.90	669.24	-72.97	0.55	0.53	0.84
6,214.00	9.28	99.37	6,162.64	-213.51	683.41	-73.70	1.86	0.82	-10.85
6,310.00	9.44	97.07	6,257.36	-215.74	698.86	-72.82	0.42	0.17	-2.40
6,405.00	8.24	97.40	6,351.23	-217.58	713.34	-71.74	1.26	-1.26	0.35
6,500.00	6.69	91.50	6,445.43	-218.60	725.63	-70.31	1.82	-1.63	-6.21
6,595.00	5.97	98.48	6,539.85	-219.47	736.05	-69.10	1.11	-0.76	7.35
6,690.00	6.61	113.40	6,634.28	-222.37	745.95	-69.98	1.84	0.67	15.71
6,785.00	6.37	106.20	6,728.67	-226.02	756.03	-71.55	0.89	-0.25	-7.58
6,880.00	5.74	105.19	6,823.14	-228.73	765.68	-72.29	0.67	-0.66	-1.06
6,975.00	5.15	106.32	6,917.71	-231.17	774.35	-72.97	0.63	-0.62	1.19
7,070.00	5.83	110.49	7,012.28	-234.06	782.97	-74.09	0.83	0.72	4.39
7,165.00	6.68	110.35	7,106.71	-237.67	792.67	-75.70	0.89	0.89	-0.15
7,260.00	5.86	104.53	7,201.14	-240.81	802.54	-76.82	1.09	-0.86	-6.13
7,354.00	5.27	99.17	7,294.70	-242.70	811.45	-76.91	0.84	-0.63	-5.70
7,449.00	6.21	91.59	7,389.22	-243.54	820.89	-75.85	1.27	0.99	-7.99
7,544.00	5.23	91.41	7,483.75	-243.79	830.36	-74.22	1.03	-1.03	-0.19
7,639.00	6.18	86.17	7,578.28	-243.55	839.79	-72.12	1.14	1.00	-5.52
7,734.00	6.12	100.57	7,672.74	-244.14	849.87	-70.70	1.62	-0.06	15.16
7,829.00	6.49	99.42	7,767.16	-245.95	860.14	-70.43	0.41	0.39	-1.21
7,923.00	6.27	104.13	7,860.58	-248.07	870.36	-70.48	0.60	-0.23	5.01
8,018.00	5.54	103.80	7,955.08	-250.43	879.85	-70.91	0.77	-0.77	-0.35
8,112.00	4.82	108.12	8,048.69	-252.74	888.01	-71.56	0.87	-0.77	4.60
8,207.00	3.43	105.96	8,143.44	-254.76	894.53	-72.25	1.47	-1.46	-2.27
8,302.00	2.60	114.43	8,238.31	-256.44	899.23	-72.96	0.99	-0.87	8.92
8,397.00	1.63	122.07	8,333.25	-258.05	902.33	-73.92	1.06	-1.02	8.04
8,491.00	0.66	141.95	8,427.23	-259.18	903.80	-74.74	1.10	-1.03	21.15
8,586.00	0.88	272.91	8,522.22	-259.58	903.41	-75.20	1.48	0.23	137.85
8,682.00	0.95	286.26	8,618.21	-259.32	901.91	-75.25	0.23	0.07	13.91
8,777.00	0.57	354.06	8,713.20	-258.62	901.10	-74.73	0.95	-0.40	71.37
8,872.00	0.66	322.21	8,808.20	-257.72	900.72	-73.92	0.37	0.09	-33.53
8,977.00	8.42	11.58	8,932.72	-248.17	902.12	-64.28	6.40	6.21	39.50
9,044.00	15.24	13.39	8,978.70	-238.78	904.24	-54.66	14.51	14.51	3.85
9,092.00	18.48	15.14	9,024.63	-225.30	907.69	-40.76	6.83	6.75	3.65

Company:	Mewbourne Oil Company
Project:	Eddy Co., NM (NAD 83)
Site:	San Lorenzo 9 Pad
Well:	San Lorenzo 9 W00B Fee #1H
Wellbore:	OH
Design:	OH
Local Co-ordinate Reference:	Well San Lorenzo 9 W00B Fee #1H
TVD Reference:	KB=28' @ 2999.00usft (Patterson 263)
MD Reference:	KB=28' @ 2999.00usft (Patterson 263)
North Reference:	Gnd
Survey Calculation Method:	Minimum Curvature
Database:	EDM 5000.1 Single User Db



9,139.00	23.84	16.10	9,068.45	-208.97	912.27	-23.84	11.43	11.40	2.04
9,187.00	30.73	14.95	9,111.08	-187.77	918.13	-1.91	14.40	14.35	-2.40
9,234.00	35.15	14.23	9,150.51	-163.05	924.56	23.60	9.44	9.40	-1.53
9,283.00	39.01	11.57	9,189.60	-134.25	931.12	53.13	8.53	7.88	-5.43
9,330.00	41.82	7.88	9,225.39	-104.23	936.24	83.57	7.85	5.98	-7.85
9,378.00	46.37	5.41	9,259.85	-71.06	940.07	116.84	10.13	9.48	-5.15
9,425.00	48.68	3.76	9,291.59	-36.51	942.84	151.25	5.55	4.91	-3.51
9,473.00	51.66	3.01	9,322.33	0.28	945.01	187.74	6.32	6.21	-1.56
9,520.00	58.18	3.48	9,349.33	38.66	947.19	225.79	13.90	13.87	1.00
9,569.00	63.05	5.52	9,373.37	81.21	950.56	268.16	10.58	9.94	4.16
9,616.00	66.71	6.17	9,393.32	123.53	954.89	310.50	7.89	7.79	1.38
9,663.00	71.54	4.28	9,410.06	167.25	958.88	354.14	10.94	10.28	-4.02
9,710.00	75.67	2.16	9,423.32	212.26	961.40	398.76	9.79	8.79	-4.51
9,758.00	81.21	2.41	9,432.94	259.23	963.28	445.17	11.55	11.54	0.52
9,853.00	85.99	1.62	9,443.53	353.55	966.59	538.27	5.10	5.03	-0.83
9,948.00	90.97	2.44	9,446.05	448.43	969.96	631.93	5.31	5.24	0.86
10,044.00	89.37	358.78	9,445.76	544.40	970.98	726.20	4.16	-1.67	-3.81
10,139.00	89.93	357.30	9,446.34	639.34	967.73	818.61	1.67	0.59	-1.56
10,234.00	90.24	356.28	9,446.20	734.19	962.41	910.52	1.12	0.33	-1.07
10,329.00	87.88	357.47	9,447.76	829.03	957.23	1,002.44	2.78	-2.48	1.25
10,424.00	86.28	357.71	9,452.60	923.82	953.24	1,094.56	1.70	-1.68	0.25
10,520.00	86.99	358.47	9,458.23	1,019.60	950.05	1,187.80	1.08	0.74	4.00
10,615.00	89.71	2.27	9,460.97	1,114.53	950.66	1,280.97	4.92	2.86	0.79
10,710.00	88.16	1.39	9,462.73	1,209.46	953.70	1,374.61	1.88	-1.63	-0.93
10,805.00	90.18	2.99	9,464.11	1,304.37	957.33	1,468.36	2.71	2.13	1.68
10,900.00	92.34	5.71	9,462.02	1,399.06	964.53	1,562.59	3.66	2.27	2.86
10,996.00	87.75	1.25	9,461.95	1,494.83	970.35	1,657.62	6.67	-4.78	-4.65
11,091.00	86.99	1.40	9,466.30	1,589.71	972.55	1,751.04	0.82	-0.80	0.16
11,186.00	88.81	359.22	9,469.79	1,684.63	973.06	1,844.18	2.99	1.92	-2.29
11,280.00	89.37	359.17	9,471.28	1,778.61	971.74	1,936.03	0.60	0.60	-0.05
11,375.00	89.79	359.07	9,471.98	1,873.60	970.28	2,028.84	0.45	0.44	-0.11
11,470.00	89.85	357.93	9,472.27	1,968.56	967.79	2,121.43	1.20	0.06	-1.20
11,566.00	90.74	358.26	9,471.78	2,064.51	964.60	2,214.83	0.99	0.93	0.34
11,660.00	92.71	358.87	9,468.95	2,158.43	962.25	2,306.42	2.19	2.10	0.65
11,755.00	88.53	356.15	9,467.92	2,253.31	958.12	2,398.59	5.25	-4.40	-2.86
11,850.00	88.70	356.39	9,470.22	2,348.08	951.94	2,490.25	0.31	0.18	0.25
11,945.00	90.85	357.34	9,470.59	2,442.93	946.75	2,582.19	2.47	2.26	1.00
12,040.00	87.41	356.44	9,472.03	2,537.76	941.60	2,674.11	3.74	-3.62	-0.95
12,134.00	91.94	358.09	9,472.57	2,631.62	937.11	2,765.22	5.13	4.82	1.76
12,230.00	88.03	357.21	9,472.59	2,727.52	933.18	2,858.44	4.17	-4.07	-0.92
12,325.00	90.57	358.26	9,473.75	2,822.43	929.42	2,950.72	2.89	2.67	1.11
12,420.00	91.33	359.11	9,472.18	2,917.39	927.24	3,043.36	1.20	0.80	0.89
12,515.00	90.36	359.06	9,470.78	3,012.37	925.73	3,136.14	1.02	-1.02	-0.05

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)
Local Co-ordinate Reference: Well San Lorenzo 9 WOOB Fee #1H									
TVD Reference: KB=28' @ 2999.00usft (Patterson 263)									
MD Reference: KB=28' @ 2999.00usft (Patterson 263)									
North Reference: Gtd									
Survey Calculation Method: Minimum Curvature									
Database: EDM 5000.1 Single User Db									
Company:	Mewbourne Oil Company								
Project:	Eddy Co., NM (NAD 83)								
Site:	San Lorenzo 9 Pad								
Well:	San Lorenzo 9 WOOB Fee #1H								
Wellbore:	OH								
Design:	OH								

12/8/2021 5:17:27AM

Page 6

COMPASS 5000.16 Build 97

Checked By:

Approved By:

Date:

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
505.00	504.90	7.12	4.24	First AEP Survey
14,076.00	9,478.82	4,572.08	916.59	Last Survey
14,130.00	9,481.81	4,625.96	914.62	PTB @ 14130'

PTB @ 14130'

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)
12,611.00	90.13	359.77	9,470.37	3,108.36	924.75	3,230.04	0.78	-0.24	0.74
12,706.00	86.91	0.23	9,472.82	3,203.32	924.75	3,323.10	3.42	-3.39	0.48
12,802.00	87.02	359.74	9,477.90	3,299.18	924.72	3,417.06	0.52	0.11	-0.51
12,897.00	86.31	359.81	9,483.43	3,394.02	924.35	3,509.94	0.75	-0.75	0.07
12,993.00	88.30	0.18	9,487.94	3,489.91	924.34	3,603.92	2.11	2.07	0.39
13,088.00	89.82	359.77	9,489.50	3,584.90	924.30	3,697.01	1.66	1.60	-0.43
13,184.00	91.22	359.33	9,488.63	3,680.89	923.54	3,790.94	1.53	1.46	-0.46
13,279.00	91.05	359.16	9,486.75	3,775.86	922.29	3,883.78	0.25	-0.18	-0.18
13,374.00	88.89	359.01	9,486.80	3,870.84	920.78	3,976.57	2.28	-2.27	-0.16
13,470.00	88.92	358.84	9,488.63	3,966.81	918.98	4,070.27	0.18	0.03	-0.18
13,565.00	92.22	359.93	9,487.69	4,061.78	917.96	4,163.16	3.66	3.47	1.15
13,660.00	94.38	2.10	9,482.22	4,156.60	919.63	4,256.42	3.22	2.27	2.28
13,755.00	93.32	1.49	9,475.84	4,251.34	922.60	4,349.87	1.29	-1.12	-0.64
13,851.00	89.20	358.76	9,473.73	4,347.28	922.81	4,443.95	5.15	-4.29	-2.84
13,946.00	90.07	359.02	9,474.33	4,442.26	920.97	4,536.67	0.96	0.92	0.27
14,041.00	86.85	357.41	9,476.89	4,537.17	918.01	4,629.11	3.79	-3.39	-1.69
14,076.00	86.82	357.91	9,478.82	4,572.08	916.59	4,663.05	1.43	-0.09	1.43
14,130.00	86.82	357.91	9,481.81	4,625.96	914.62	4,715.47	0.00	0.00	0.00

Survey

Company:	Mewbourne Oil Company
Project:	Eddy Co., NM (NAD 83)
Site:	San Lorenzo 9 Pad
Well:	San Lorenzo 9 W00B Fee #1H
Wellbore:	OH
Design:	OH
Local Co-ordinate Reference:	
TVD Reference:	
MD Reference:	
North Reference:	
Survey Calculation Method:	Minimum Curvature
Database:	EDM 5000.1 Single User Db

OIL COMPANY



Altitude Energy Partners

Survey Report



Intent ☐ As Drilled ☒

API # 30-015-48895		
Operator Name: Mewbourne Oil Co.	Property Name: San Lorenzo 9 W0OB Fee	Well Number 1H

Kick Off Point (KOP)

UL O	Section 9	Township 25S	Range 28E	Lot	Feet 41	From N/S S	Feet 1741	From E/W E	County EDDY
Latitude 32.1374754					Longitude -104.0893592			NAD 83	

First Take Point (FTP)

UL O	Section 9	Township 25S	Range 28E	Lot	Feet 411	From N/S S	Feet 1685	From E/W E	County EDDY
Latitude 32.1384934					Longitude -104.0891850			NAD 83	

Last Take Point (LTP)

UL B	Section 9	Township 25S	Range 28E	Lot	Feet 365	From N/S N	Feet 1697	From E/W E	County EDDY
Latitude 32.1507713					Longitude -104.0892733			NAD 83	

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 1 Copy To Appropriate District

Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM 88240

District II - (575) 748-1283

811 S. First St., Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3460

1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico
Energy, Minerals and Natural ResourcesOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-48895
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Mewbourne Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 5270 Hobbs, NM 88240		7. Lease Name or Unit Agreement Name San Lorenzo 9 W00B Fee
4. Well Location Unit Letter O : 300 feet from the South line and 2640 feet from the East line Section 9 Township 25S Range 28E NMPM Eddy County		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2971' GL		9. OGRID Number 14744
		10. Pool name or Wildcat [98220] Purple Sage; Wolfcamp (gas)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: Completion Sundry ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Frac horizontal Wolfcamp w/6193530 gals PW slickwater & 4815678 gals brackish slickwater, carrying 8029542# 100 mesh sand & 3202400# local 40/70 sand.

Drill out frac plugs to PBD @ 14114'.

03/30/2022

PWOL.

FORMATION TOPS: T/salt 460', Delaware 2510', Bell Canyon 2540', Cherry Canyon 3380', Bone Spring 6200', 1st Bone Spring 7125', 2nd Bone Spring 7880', 3rd Bone Spring 8920', Wolfcamp 9360'.

Spud Date: 11/22/2021

Rig Release Date: 12/10/2021

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Regulatory DATE 05/31/2022

Type or print name Ruby Caballero Ojeda E-mail address: rcaballero@mewbourne.com PHONE: 575-393-5905

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG							1. WELL API NO. 30-015-48895			
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)							2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN			
							3. State Oil & Gas Lease No.			
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER							5. Lease Name or Unit Agreement Name San Lorenzo 9 W00B Fee			
							6. Well Number: 1H			
8. Name of Operator Mewbourne Oil Company							9. OGRID 14744			
10. Address of Operator PO Box 5270 Hobbs, NM 88241							11. Pool name or Wildcat [98220] Purple Sage; Wolfcamp (gas)			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	9	25S	28E		300	South	2640	East	Eddy
BH:	B	9	25S	28E		318	North	1699	East	Eddy
13. Date Spudded 11/22/2021	14. Date T.D. Reached 12/08/2021		15. Date Rig Released 12/10/2021		16. Date Completed (Ready to Produce)			17. Elevations (DF and RKB, RT, GR, etc.) 2971' GL		
18. Total Measured Depth of Well 14130'			19. Plug Back Measured Depth 14114'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run GR		
22. Producing Interval(s), of this completion - Top, Bottom, Name 9604'-14083' Wolfcamp										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5#		419		17 1/2"		350		Surface
9 5/8"		40#		2450 MD		12 1/4"		650		
7"		29#		8850		8 3/4"		950		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT		SCREEN		25. TUBING RECORD			
4 1/2"	8594' (MD)	14130' (MD)	500				SIZE	DEPTH SET	PACKER SET	
26. Perforation record (interval, size, and number) 9604'-14083' (37 stages, 0.39" EHD, 1332 holes)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9604'-14083'		Frac horizontal Wolfcamp w/6193530 gals PW slickwater & 4815678 gals brackish slickwater, carrying 8029542# 100 mesh sand & 3202400# local 40/70 sand.		
28. PRODUCTION										
Date First Production 03/29/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 04/25/22	Hours Tested 24	Choke Size 27/64"	Prod'n For Test Period	Oil - Bbl 661	Gas - MCF 1362	Water - Bbl. 2080	Gas - Oil Ratio 2060			
Flow Tubing Press.	Casing Pressure 1350	Calculated 24- Hour Rate	Oil - Bbl. 661	Gas - MCF 1362	Water - Bbl. 2080	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By Robin Terrell			
31. List Attachments As drilled C-102, Directional survey, C-104, completion sundry, additional kickoff sheet & Wellbore schematic										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date: 12/10/2021			
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 Ruby Caballero Ojeda Printed										
Signature		Name			Title		Regulatory		Date 05/31/2022	
E-mail Address rcaballero@mewbourne.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 460	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. Capitan	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	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 2510	T. Morrison	
T. Bell Canyon 2540	T. Bone Springs 6200	T. Todilto	
T. Cherry Canyon 3380	T. 1 st Bone Spring 7125	T. Entrada	
T. Wolfcamp	T. 2 nd Bone Spring 7880	T. Wingate	
T. Penn	T. 3 rd Bone Spring 8920	T. Chinle	
T. Cisco (Bough C)	T. Wolfcamp 9360	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
------	----	----------------------	-----------	------	----	----------------------	-----------

Mewbourne Oil Company

Well Name: San Lorenzo 9 W00B Fee #1H

API 30-015-48895

Prop Code 331352

Eddy Co, NM

Pools: [98220] Purple Sage, Wolfcamp; Gas

Updated by: Landon Stallings

4/28/2022

Spud Date: 11/22/21
 Rig Release: 12/10/21
 Frac Date: 03/08/2022
 Prod Date: 03/30/2022
 GL: 2971'

Surface

17 1/2" x 13 3/8" 54.5# J55 STC
 Set @ 419'
 Cmt w/ 350 sx
 Circ 127 sx to pit
 Lead TOC: Surface
 Tail TOC: 82'

Intermediate

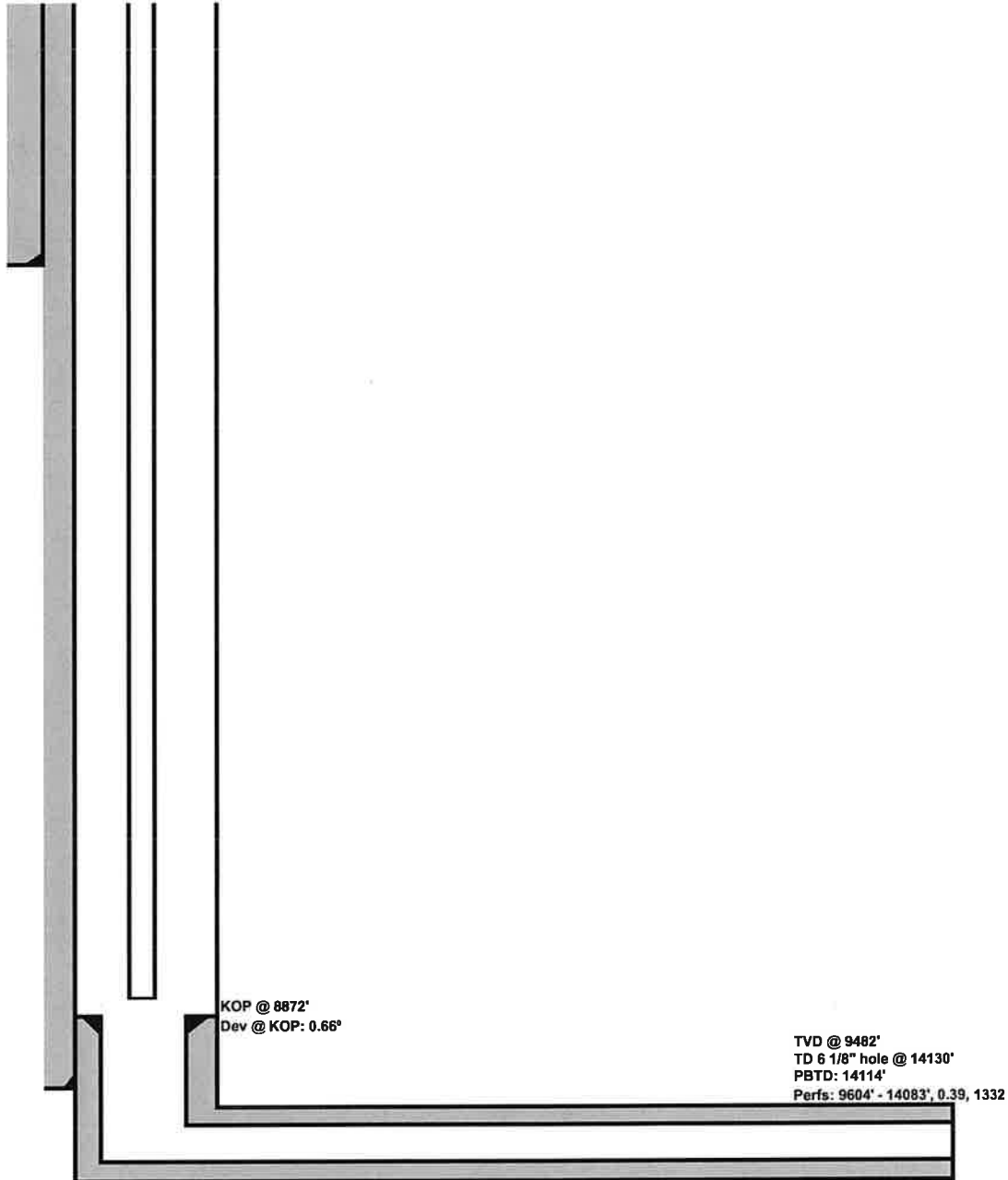
12 1/4" x 9 5/8" 40# HCL90 LTC
 Set @ 2450'
 Cmt w/ 650 sx
 Circ 110 sx to pit
 Lead TOC: Surface
 Tail TOC: 1642'

Production

8 3/4" x 7" 29# HCP110 LTC
 Set @ 8850'
 Cmt w/ 950 sx
 Circ 87 sx to pit
 Lead TOC: Surface
 Tail TOC: 5763'

Liner

6 1/8" x 4 1/2" 13.5# HCP110 LTC
 Set @ 8594' - 14130'
 TOC @ 8594'



Frac horizontal Wolfcamp w/6193530 gals PW slickwater & 4815678 gals brackish slickwater, carrying 8029542# 100 mesh sand & 3202400# local 40/70 sand

	MD	TVD	Lat	Long		Footage	Section	Town/Rng	Lease	Prod f/ lease	UL
SHL	0	0	32.1381896	-104.0922672	300	FSL	8	T25S, R28E	FEE	Y	O
KOP	8,872	8,808	32.137475	-104.0893592	41	FSL	8	T25S, R28E	FEE	Y	O
FTP	9,604	9,390	32.1384934	-104.0891850	411	FSL	8	T25S, R28E	FEE	Y	O
LTP	14,083	9,479	32.1507713	-104.0892733	365	FNL	8	T25S, R28E	FEE	Y	B
BHL	14,130	9,482	32.1509002	-104.0892785	318	FNL	8	T25S, R28E	FEE	Y	B

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 112249

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 112249
	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.

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 112249

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 112249
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	8/14/2025