

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 30-015-45904	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 325415	⁵ Property Name SUNDOWN 31/32 WODA FEE COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 3201'

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
D	31	22S	27E		1030	NORTH	250	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
A	32	22S	27E		483'	NORTH	339'	EAST	EDDY

¹² Dedicated Acres 635.28	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 N: 492119.2 - E: 571134.5 LAT: 32.3528696° N LONG: 104.2368388° W BOTTOM HOLE N: 492915.3 - E: 581225.6 LAT: 32.3550285° N LONG: 104.2041570° W		CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1943" N: 487843.5 - E: 570881.6 B: FOUND BRASS CAP "1943" N: 490491.4 - E: 570884.6 C: FOUND COTTON SPINDLE N: 493139.7 - E: 570884.7 D: FOUND "REDDY PS 5412" N: 493238.6 - E: 573549.2 E: FOUND 1/2" REBAR N: 493342.8 - E: 576281.6 F: FOUND COTTON SPINDLE N: 493355.7 - E: 581571.1		G: FOUND 1/2" REBAR N: 490633.4 - E: 581474.4 H: FOUND 1/2" REBAR N: 487939.5 - E: 581374.9 I: FOUND 1/2" REBAR N: 487907.1 - E: 578715.7 J: FOUND COTTON SPINDLE N: 487890.7 - E: 576053.1 K: FOUND 1/2" REBAR N: 487872.6 - E: 573405.8 L: FOUND 1/2" REBAR N: 490555.8 - E: 573477.3 M: FOUND 1/2" REBAR N: 490624.2 - E: 576162.9		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. Signature: <u>Sackie Lathan</u> Date: <u>10/31/19</u> Printed Name: <u>Sackie Lathan</u> 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. 3-22-2019 Date of Survey Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u> 19680 Certificate Number						

LS19030389

Intent ☐ As Drilled ☒

API # 30-015-45904		Operator Name: Mewbourne Oil Company		Property Name: Sundown 31/32 W0DA Fee		Well Number #1H
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Kick Off Point (KOP)

UL D	Section 31	Township 22S	Range 27E	Lot	Feet 520	From N/S N	Feet 19	From E/W W	County Felix
Latitude 32.3542222					Longitude -104.2395778				NAD 83

First Take Point (FTP)

UL D	Section 31	Township 22S	Range 27E	Lot	Feet 517	From N/S N	Feet 338	From E/W W	County Felix
Latitude 32.3542889					Longitude -104.2365528				NAD 83

Last Take Point (LTP)

UL A	Section 32	Township 22S	Range 27E	Lot	Feet 483	From N/S N	Feet 339	From E/W E	County Felix
Latitude 32.3548972					Longitude -104.2041861				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

Definitive Survey	Section 1
Plan vs. Actual	Section 2
Daily Reports	Section 3
BHA Reports	Section 4
End of Well Summary	Section 5
Drilling Parameters	Section 6
Key Performance Indicators	Section 7

Section 2

Plan vs. Actual

Structure:
Mewbourne Oil Sundown 31_32 WODA Fee
Com 1H

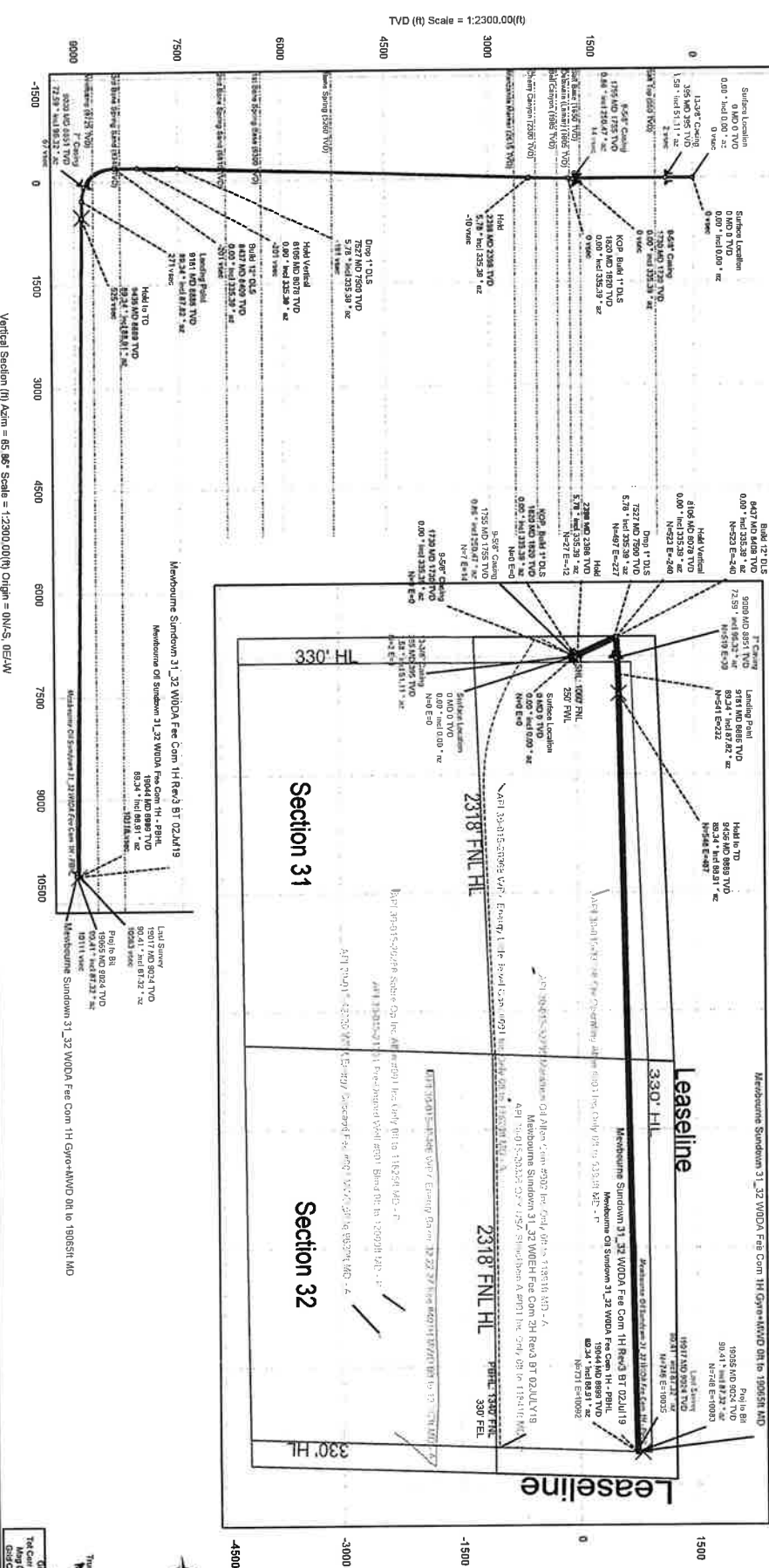
Structure:
Mewbourne Oil Sundown 31_32 WODA Fee
Com 1H

Slot:	New Slot	TVD Ref:	RKB(3229H above MSL)
Plan:	Mewbourne Sundown 31	32 WODA Fee Com 1H Rev'd BT 02Jul15	

Slot:	New Slot	TVD Ref:	RKB(3229H above MSL)
Plan:	Mewbourne Sundown 31	32 WODA Fee Com 1H Rev'd BT 02Jul15	

100

	Critical Points									
	MB	MCL	AMM	WD	VEEG	MP/PT	ET/PT	DLS		
Critical Point	0.00	0.00								
Surface Location	0.00			0.00	0.00	0.00	0.00	0.00		
Soil Top	550.00	0.00	335.39	550.00	0.00	0.00	0.00	0.00		
Soil Base	1650.00	0.00	335.39	1650.00	0.00	0.00	0.00	0.00		
9-5/8" Casting	1750.00	0.00	335.39	1750.00	0.00	0.00	0.00	0.00		
KOP Build 1" DLS	1805.00	0.00	335.39	1805.00	0.00	0.00	0.00	0.00		
1620.00		0.00	335.39	1620.00	0.00	0.00	0.00	0.00		
Bell Cavity	1865.00	1.85	335.39	1865.00	0.00	2.16	4.38	1.00		
Cherry Canyon	2300.55	4.81	335.39	2300.55	-0.83	1.14	-4.38	1.00		
Hold	2390.55		335.39	2390.55	0.00	2.16	4.38	1.00		
2394.46		5.78	335.39	2394.46	-0.20	26.53	-12.15	1.00		
2397.50		5.78	335.39	2397.50	-10.20	26.53	-21.35	1.00		
2576.43		5.78	335.39	2576.43	-17.91	46.56	-12.15	1.00		
5260.00		5.78	335.39	5260.00	-11.65	280.18	-132.92	0.00		
5260.00		5.78	335.39	5260.00	-146.45	385.67	-176.79	0.00		
6810.00		5.78	335.39	6810.00	-168.51	432.65	-209.31	0.00		
7527.10		5.78	335.39	7527.10	-201.16	523.03	-238.57	1.00		
8105.58		0.00	335.39	8105.58	-201.16	523.03	-238.57	0.00		
8340.00		0.00	335.39	8340.00	-201.16	523.03	-238.57	0.00		
8340.00		0.00	335.39	8340.00	-201.16	523.03	-238.57	0.00		
8782.57		41.49	67.82	8782.57	-81.43	527.58	-113.66	12.00		
8782.57		41.49	67.82	8782.57	-81.43	527.58	-113.66	12.00		
8911.29		88.34	67.82	8911.29	-81.43	540.98	-113.66	12.00		
Landing Point	9436.00		68.91	9436.00	524.98	540.98	232.05	0.00		
Hold to TD		89.34	68.91		1018.47	1018.47	1682.53	0.00		
16043.75			68.91	6899.00	1018.47	1018.47	1682.53	0.00		



Section 1

Definitive Survey

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

August 5, 2019

Mewbourne Oil Co
P.O. Box 5270
Hobbs, NM 88241

Re:

31, 22S, 27E, Eddy NM
N 32.35287 W -104.23684

CLIENT: Mewbourne Oil Co
WELL: Sundown 31 32 W0DA Fee 001H
FIELD: Purple Sage, Wolfcamp (Gas)

RIG: Patterson 574
COUNTY: Eddy
API NO: 30-015-45904
JOB NO: 19MLE0403

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Andres Hernandez FE	Sundown 31 32 W0DA Fee Com 1H Original Hole	395.00 Ft to 19017.00 Ft	July 11, 2019 to August 4, 2019	SlimPulse

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Justin Medlock
Field Service Manager

Schlumberger-Private

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

Well Reference:
31, 22S, 27E, Eddy NM
N 32.35287 W -104.23684

I, Andres Hernandez certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of July 11, 2019 through August 04, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 395.00 feet to a depth of 19017.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Co for the Sundown 31 32 W0DA Fee Com 1H Well (Original Hole) API No. 30-015-45904 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Andres Hernandez
FE

ANDRES HERNANDEZ

Subscribed and Sworn to before me this 13 day of August (month) 2019 (yr)

My Commission expires:

6/14/2023

Jean-Paul Langlois

(signature)

Notary Public

Comanche, Oklahoma

(County State)



Mewbourne Sundown 31_32 W0DA Fee Com 1H Gyro+MWD Off to 19065ft MD Survey Geodetic Report (Def Survey)



Report Date: August 07, 2019 - 09:52 PM
Client: Mewbourne Oil Company
Field: NM Eddy County (NAD 83)
Structure / Slot: Mewbourne Oil Sundown 31_32 W0DA Fee Com 1H / New Slot
Well: Sundown 31_32 W0DA Fee Com 1H
Borehole: Sundown 31_32 W0DA Fee Com 1H
UWI / APW: Unknown / Unknown
Survey Name: Mewbourne Sundown 31_32 W0DA Fee Com 1H Gyro+MWD Off to 19065ft MD
Survey Date: July 05, 2019
Tort / AHD / DDI / ERO Ratio: 248.512' / 10842.516' ft / 8.759 / 1.212
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 21' 10.33024", W 104° 14' 12.62008"
Location Grid N/E/Y/X: N 482119.200 RUS, E 571134.500 RUS
CR6 Grid Convergence Angle: 0.0515°
Grid Scale Factor: 0.99991011
Version / Patch: 2.10.760.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 65.857° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3229.000 ft above MSL
Seabed / Ground Elevation: 3229.000 ft above MSL
Magnetic Declination: 7.228°
Total Gravity Field Strength: 908.473mgm (3.80865 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47887.623 nT
Magnetic Dip Angle: 60.026°
Declination Data: July 05, 2019
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.0515°
Total Corr Mag North-Grid North: 7.1765°
Local Coord Referenced To: Wall Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Closure (ft)	Closure Azimuth	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	482119.20	571134.50	N 32° 21' 10.33" W 104° 14' 12.62"	
13-3/8" Casing	100.00	0.27	288.40	100.00	-0.24	-0.01	-0.24	0.27	0.24	286.40	482119.19	571134.26	N 32° 21' 10.33" W 104° 14' 12.62"	
	200.00	0.52	11.81	200.00	-0.35	0.43	-0.38	0.64	0.57	318.64	482119.63	571134.12	N 32° 21' 10.33" W 104° 14' 12.62"	
	300.00	1.32	49.01	299.99	0.70	1.83	0.58	0.96	1.73	19.80	482120.83	571135.08	N 32° 21' 10.35" W 104° 14' 12.61"	
	317.00	0.31	216.78	316.98	0.82	1.72	0.70	0.55	1.86	22.15	482120.92	571135.20	N 32° 21' 10.35" W 104° 14' 12.61"	
	395.00	1.59	51.11	394.88	1.57	2.23	1.41	2.64	2.64	32.35	482121.43	571135.91	N 32° 21' 10.35" W 104° 14' 12.61"	
	444.00	2.76	50.11	443.94	3.08	3.41	2.84	2.41	4.44	39.82	482122.81	571137.34	N 32° 21' 10.36" W 104° 14' 12.59"	
	598.00	1.31	73.07	595.86	6.83	5.70	6.43	1.34	8.59	48.45	482124.90	571140.93	N 32° 21' 10.39" W 104° 14' 12.55"	
	688.00	0.34	205.03	687.85	8.01	5.78	7.61	1.28	9.55	52.80	482124.98	571142.11	N 32° 21' 10.39" W 104° 14' 12.53"	
	751.00	0.83	183.43	750.85	7.87	5.26	7.51	0.54	8.17	54.99	482124.46	571142.01	N 32° 21' 10.37" W 104° 14' 12.53"	
	846.00	0.56	188.03	845.84	7.87	4.28	7.59	0.19	8.71	60.50	482123.48	571142.08	N 32° 21' 10.37" W 104° 14' 12.53"	
	939.00	1.04	123.56	938.84	9.60	3.38	8.37	0.81	9.03	68.05	482122.58	571142.87	N 32° 21' 10.36" W 104° 14' 12.52"	
	1033.00	1.88	65.32	1032.81	10.85	3.02	10.46	1.15	10.88	73.91	482122.22	571144.96	N 32° 21' 10.36" W 104° 14' 12.50"	
	1127.00	1.83	81.40	1126.77	13.36	3.33	13.15	0.13	13.57	75.80	482122.53	571147.65	N 32° 21' 10.36" W 104° 14' 12.47"	
	1221.00	0.36	310.09	1220.76	14.48	3.72	14.25	2.01	14.73	75.37	482122.92	571148.75	N 32° 21' 10.37" W 104° 14' 12.45"	
	1316.00	0.22	324.12	1315.76	14.17	4.05	13.81	0.16	14.49	73.74	482123.26	571148.41	N 32° 21' 10.37" W 104° 14' 12.46"	
9-5/8" Casing	1410.00	0.45	7.28	1409.76	14.15	4.57	13.86	0.35	14.59	71.74	482123.77	571148.35	N 32° 21' 10.38" W 104° 14' 12.46"	
	1505.00	1.20	51.93	1504.75	15.05	5.55	14.88	0.98	15.70	68.28	482124.75	571148.18	N 32° 21' 10.38" W 104° 14' 12.45"	
	1600.00	0.40	334.90	1599.74	15.76	6.47	15.33	1.24	18.64	67.12	482125.67	571148.83	N 32° 21' 10.39" W 104° 14' 12.44"	
	1693.00	0.89	267.19	1692.73	14.92	6.73	14.47	0.89	15.06	65.07	482125.93	571148.87	N 32° 21' 10.40" W 104° 14' 12.45"	
	1755.00	0.86	250.47	1754.73	13.99	6.55	13.55	0.41	15.05	64.21	482125.75	571148.05	N 32° 21' 10.38" W 104° 14' 12.46"	
	1824.00	0.91	232.22	1823.72	13.03	6.04	12.83	0.41	14.00	64.44	482125.24	571147.13	N 32° 21' 10.38" W 104° 14' 12.47"	
	1918.00	1.76	302.75	1917.70	11.26	6.36	10.83	1.80	12.56	59.56	482125.56	571145.33	N 32° 21' 10.39" W 104° 14' 12.49"	
	2012.00	1.95	314.15	2011.85	9.04	8.26	8.47	0.44	11.83	45.71	482127.46	571142.85	N 32° 21' 10.41" W 104° 14' 12.52"	
	2106.00	1.71	316.08	2105.69	7.08	10.38	6.34	0.26	12.17	31.43	482128.58	571140.84	N 32° 21' 10.43" W 104° 14' 12.55"	
	2200.00	3.59	320.08	2196.50	4.46	13.85	3.48	2.01	14.09	14.31	482132.85	571137.98	N 32° 21' 10.47" W 104° 14' 12.58"	
	2294.00	4.63	318.84	2293.25	0.46	18.76	-0.90	1.11	18.79	357.25	482137.96	571133.60	N 32° 21' 10.52" W 104° 14' 12.63"	
	2386.00	4.70	322.81	2387.94	-3.98	24.75	-5.78	0.35	25.42	346.86	482143.95	571128.72	N 32° 21' 10.58" W 104° 14' 12.69"	
	2483.00	4.56	320.21	2481.63	-6.25	30.89	-10.50	0.27	32.44	341.12	482149.88	571124.00	N 32° 21' 10.63" W 104° 14' 12.74"	
	2578.00	5.96	324.70	2576.25	-12.88	37.42	-15.92	1.23	40.55	337.34	482156.61	571118.89	N 32° 21' 10.70" W 104° 14' 12.80"	
	2672.00	5.53	320.50	2669.81	-17.90	44.69	-21.18	0.46	48.46	334.64	482163.89	571113.32	N 32° 21' 10.77" W 104° 14' 12.87"	

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	VSECL (m)	NS (m)	EW (m)	DLS (m)	Closure (m)	Closure Azimuth (°)	Northing (m)	Easting (m)	Latitude (N/S ° ° '")	Longitude (E/W ° ° '")
7" Casing	8575.00	8.77	58.87	8546.43	-190.48	515.13	-228.29	4.85	563.45	336.10	492634.26	570904.20	N 32 21 15.43 W 104 14 15.28	
	8622.00	13.81	70.14	8592.51	-181.85	518.85	-219.92	11.53	563.53	337.03	492638.00	570914.60	N 32 21 15.47 W 104 14 15.18	
	8669.00	21.31	78.28	8637.28	-167.87	522.50	-206.26	16.75	561.74	338.46	492641.65	570928.26	N 32 21 15.50 W 104 14 15.02	
	8717.00	29.18	81.94	8680.88	-147.82	525.92	-186.10	21.71	557.87	340.51	492645.07	570948.42	N 32 21 15.54 W 104 14 14.78	
	8765.00	37.35	84.86	8720.78	-121.34	528.87	-159.96	17.34	552.53	343.17	492648.02	570974.55	N 32 21 15.56 W 104 14 14.48	
	8811.00	44.32	86.33	8755.57	-91.29	530.59	-128.96	15.93	546.27	346.24	492648.74	571004.54	N 32 21 15.58 W 104 14 14.13	
	8858.00	51.33	92.05	8787.11	-58.60	530.41	-85.17	16.02	538.88	349.83	492649.56	571039.34	N 32 21 15.59 W 104 14 13.72	
	8905.00	59.01	95.01	8813.54	-18.40	527.98	-58.70	17.14	531.03	353.87	492647.14	571077.81	N 32 21 15.56 W 104 14 13.28	
	8953.00	67.79	95.96	8835.41	-23.87	523.88	-14.02	16.39	524.07	358.47	492643.03	571120.48	N 32 21 15.51 W 104 14 12.78	
	8978.00	71.20	96.44	8844.16	46.90	521.35	9.26	13.76	521.43	1.02	492640.50	571143.76	N 32 21 15.49 W 104 14 12.51	
	9000.00	72.59	96.32	8851.00	67.46	519.02	30.04	6.35	519.89	3.31	492638.18	571164.54	N 32 21 15.47 W 104 14 12.26	
	9060.00	76.39	96.01	8867.04	124.33	512.82	87.51	8.35	520.23	9.68	492631.87	571222.00	N 32 21 15.40 W 104 14 11.58	
	9108.00	82.86	92.51	8875.88	171.01	508.33	134.56	15.27	526.80	14.80	492628.48	571268.05	N 32 21 15.37 W 104 14 11.05	
	9155.00	84.86	89.88	8885.05	284.26	508.13	181.27	8.07	539.99	19.61	492627.81	571315.75	N 32 21 15.36 W 104 14 10.50	
	9202.00	84.94	89.88	8885.05	284.26	508.13	228.07	1.27	557.88	24.13	492628.28	571362.55	N 32 21 15.37 W 104 14 9.86	
	9249.00	89.89	86.84	8887.25	311.15	510.56	271.38	11.77	579.90	28.31	492629.71	571409.46	N 32 21 15.38 W 104 14 8.41	
	9296.00	89.86	86.57	8887.44	358.14	513.26	321.90	0.88	605.85	32.09	492632.41	571456.37	N 32 21 15.41 W 104 14 8.86	
	9391.00	89.90	86.16	8887.64	453.14	519.28	416.71	0.43	665.81	38.75	492638.03	571551.17	N 32 21 15.47 W 104 14 7.76	
	9486.00	89.97	86.60	8887.75	548.13	525.28	511.52	0.47	733.19	44.24	492644.43	571645.96	N 32 21 15.52 W 104 14 6.65	
	9580.00	86.18	86.11	8889.25	642.11	531.26	605.32	1.97	805.38	48.73	492650.41	571738.76	N 32 21 15.58 W 104 14 5.56	
	9674.00	82.20	84.65	8886.95	736.09	538.82	696.99	4.55	882.56	52.37	492657.96	571833.42	N 32 21 15.56 W 104 14 4.47	
	9769.00	81.79	86.45	8885.64	831.03	546.19	793.64	1.94	963.43	55.46	492665.34	571928.07	N 32 21 15.73 W 104 14 3.36	
	9863.00	81.31	86.05	8883.10	924.99	552.34	887.40	0.86	1045.26	58.10	492671.49	572021.82	N 32 21 15.79 W 104 14 2.27	
	9972.00	89.86	87.10	8882.18	1033.97	558.85	988.20	1.79	1142.25	60.71	492678.03	572130.61	N 32 21 15.89 W 104 13 59.89	
	10067.00	89.86	87.87	8882.74	1128.93	563.02	1081.11	0.81	1227.80	62.71	492682.16	572225.61	N 32 21 15.89 W 104 13 59.89	
	10161.00	88.59	88.59	8884.10	1222.80	566.97	1185.01	1.19	1313.65	64.43	492686.12	572319.40	N 32 21 15.93 W 104 13 59.80	
	10256.00	88.28	88.35	8886.61	1317.78	570.56	1279.91	1.18	1401.32	65.87	492688.71	572414.28	N 32 21 15.98 W 104 13 57.69	
	10350.00	87.42	87.69	8880.13	1411.65	573.81	1373.79	1.15	1488.81	67.33	492692.96	572508.16	N 32 21 16.00 W 104 13 56.60	
	10444.00	87.46	87.51	8884.33	1505.51	577.74	1467.61	0.20	1577.23	68.51	492696.89	572601.87	N 32 21 16.03 W 104 13 55.51	
	10538.00	87.80	87.72	8880.22	1598.39	581.85	1581.45	0.43	1668.28	69.57	492700.80	572695.80	N 32 21 16.07 W 104 13 54.41	
	10633.00	88.14	87.89	8901.59	1694.28	585.45	1656.31	0.36	1758.74	70.53	492704.62	572790.66	N 32 21 16.11 W 104 13 53.31	
	10727.00	87.80	87.38	8904.91	1788.18	598.49	1750.17	0.49	1846.78	71.39	492708.64	572884.50	N 32 21 16.15 W 104 13 52.21	
	10822.00	88.28	88.19	8908.16	1883.07	593.16	1845.04	0.89	1938.04	72.18	492712.31	572978.37	N 32 21 16.18 W 104 13 51.11	
	10916.00	89.35	89.09	8910.93	1976.92	595.39	1938.87	0.96	2028.32	72.93	492714.54	573073.29	N 32 21 16.20 W 104 13 50.01	
	11010.00	89.14	89.09	8912.99	2070.74	598.88	2032.33	0.84	2118.75	73.84	492716.03	573167.25	N 32 21 16.22 W 104 13 48.92	
	11104.00	89.80	89.39	8914.58	2164.57	598.13	2126.91	0.41	2208.42	74.29	492717.28	573261.17	N 32 21 16.29 W 104 13 47.82	
	11198.00	89.42	89.15	8915.97	2258.39	598.28	2220.30	0.59	2300.33	74.90	492718.42	573355.18	N 32 21 16.24 W 104 13 46.72	
	11292.00	89.59	89.14	8916.78	2352.22	600.63	2314.86	0.20	2391.53	75.45	492719.78	573449.17	N 32 21 16.25 W 104 13 45.63	
	11387.00	89.38	89.38	8917.64	2447.05	601.86	2408.87	0.34	2483.89	75.98	492721.00	573544.15	N 32 21 16.26 W 104 13 44.52	
	11481.00	89.35	89.30	8918.66	2540.87	602.94	2503.86	0.09	2575.43	76.48	492722.08	573638.13	N 32 21 16.27 W 104 13 43.43	
	11575.00	89.21	89.37	8919.86	2634.69	604.03	2597.84	0.17	2667.14	76.91	492723.18	573732.11	N 32 21 16.28 W 104 13 42.33	
	11670.00	89.86	89.35	8920.80	2728.51	605.09	2692.83	0.47	2759.99	77.34	492724.24	573827.09	N 32 21 16.29 W 104 13 41.22	
	11764.00	89.62	89.42	8921.39	2823.33	608.10	2786.83	0.09	2851.87	77.73	492725.25	573921.07	N 32 21 16.30 W 104 13 40.13	
	11858.00	89.31	89.32	8922.30	2917.16	607.22	2880.82	0.33	2944.12	78.10	492726.36	574015.05	N 32 21 16.31 W 104 13 39.03	
	11953.00	89.31	89.62	8923.43	3105.79	609.30	3069.79	0.32	3129.67	78.77	492728.44	574204.01	N 32 21 16.33 W 104 13 37.92	
	12047.00	89.86	89.38	8925.28	3200.59	610.13	3164.78	0.45	3223.06	79.09	492729.27	574298.99	N 32 21 16.34 W 104 13 35.72	
	12236.00	89.48	89.54	8925.99	3294.40	611.01	3256.78	0.26	3315.56	79.38	492730.31	574393.98	N 32 21 16.35 W 104 13 34.62	
	12331.00	89.62	89.41	8926.73	3388.21	611.85	3353.77	0.20	3408.13	79.62	492731.03	574487.96	N 32 21 16.35 W 104 13 33.52	
	12425.00	89.58	89.48	8927.38	3483.02	612.79	3447.76	0.08	3501.80	79.92	492731.94	574581.95	N 32 21 16.36 W 104 13 32.42	
	12520.00	89.35	89.21	8928.26	3577.84	613.98	3542.75	0.38	3595.54	80.17	492733.02	574676.93	N 32 21 16.37 W 104 13 31.31	
	12614.00	89.35	89.08	8929.33	3671.66	615.28	3638.74	0.14	3688.42	80.40	492734.43	574770.90	N 32 21 16.38 W 104 13 30.22	
	12708.00	89.59	89.37	8930.20	3765.52	616.57	3731.72	0.40	3782.32	80.62	492735.71	574865.88	N 32 21 16.40 W 104 13 29.11	
	12804.00	89.76	89.17	8930.74	3861.34	617.78	3826.71	0.28	3876.26	80.83	492736.92	574960.86	N 32 21 16.41 W 104 13 28.00	
	12898.00	89.52	89.48	8931.33	3955.17	618.89	3920.70	0.42	3969.25	81.03	492738.03	575054.84	N 32 21 16.42 W 104 13 26.91	
	12992.00	89.52	89.14	8932.12	4049.00	620.02	4014.68	0.36	4062.29	81.22	492739.16	575148.83	N 32 21 16.43 W 104 13 25.81	
	13086.00	89.38	89.32	8933.05	4142.83	621.28	4108.66	0.28	4155.39	81.40	492740.42	575242.80	N 32 21 16.44 W 104 13 24.72	
	13180.00	89.45	89.14	8934.03	4236.66	622.54	4202.67	0.22	4248.53	81.57	492741.68	575336.78	N 32 21 16.45 W 104 13 23.62	
	13275.00	89.55	89.41	8934.86	4331.49	623.75	4297.66	0.30	4342.68	81.74	492742.89	575431.76	N 32 21 16.46 W 104 13 22.51	
	13369.00	89.45	89.61	8935.68	4425.29	624.55	4391.65	0.24	4435.84					

Comments	MD (ft)	Incl (°)	Azim Grad (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
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Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	28.000	1/88.425	17.500	13.375	NAL_NSG+MSHOT-Depth Only	Sundown 31_32 W0DA Fee Com 1H / Mewbourne Sundown 31_32 W0DA Fee Com 1H Gyro+MWD Sundown 31_32 W0DA Fee Com 1H / Mewbourne Sundown 31_32
	1	28.000	28.000	Act Stns	17.500	13.375	NAL_NSG+MSHOT-Depth Only	W0DA Fee Com 1H Gyro+MWD Sundown 31_32 W0DA Fee Com 1H / Mewbourne Sundown 31_32
	1	28.000	396.000	Act Stns	17.500	13.375	NAL_NSG+MSHOT	W0DA Fee Com 1H Gyro+MWD Sundown 31_32 W0DA Fee Com 1H / Mewbourne Sundown 31_32
	1	396.000	1755.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	Sundown 31_32 W0DA Fee Com 1H / Mewbourne Sundown 31_32
	1	1755.000	8000.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	Sundown 31_32 W0DA Fee Com 1H / Mewbourne Sundown 31_32
	1	8000.000	19065.000	Act Stns	6.125	4.500	NAL_MWD_1.0_DEG	Sundown 31_32 W0DA Fee Com 1H / Mewbourne Sundown 31_32

Welcome to
productive drilling

Schlumberger

END OF WELL REPORT

CLIENT : Mewbourne Oil Company

RIG NAME : Patterson 574

WELL NAME : Sundown 31_32 W0DA Fee 1H

COUNTY : Eddy County, NM

FIELD : Purple Sage Wolfcamp

