

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

RECEIVED

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

DEC 11 2019
DISTRICT IV-ARTESIA O.C.D.
AMENDED REPORT
As drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

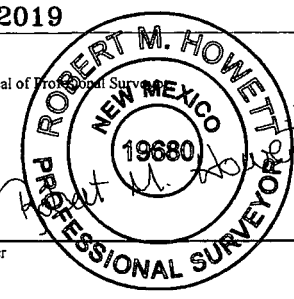
¹ API Number 30-015-45905	² Pool Code 98220	³ Pool Name Purple Sage Wolfcamp
⁴ Property Code 325416	⁵ Property Name SUNDOWN 31/32 WOEH FEE COM	⁶ Well Number 2H
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3201'

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		1060	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		1999	NORTH	317	East	EDDY
¹² Dedicated Acres 635.28	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.

¹⁶ GEODEIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 492089.2 - E: 571134.6 LAT: 32.3527871° N LONG: 104.2368388° W BOTTOM HOLE N: 492016.0 - E: 581193.6 LAT: 32.3525568° N LONG: 104.2042640° 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>Jackie Lathan</u> Date: <u>11/4/19</u> Printed Name: <u>Jackie 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							

LS19030390

Ref. 1-7-2020

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NOV 14 2019

Intent ☐ As Drilled ☒

DISTRICT 11-ARTESIA O.C.D.

API # 30-015-45905		Operator Name: Mewbourne Oil Company		Property Name: Sundown 31/32 W0EH Fee		Well Number #2H	
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Kick Off Point (KOP)

UL E	Section 31	Township 22S	Range 21E	Lot	Feet 1566	From N/S N	Feet 30	From E/W W	County Edley
Latitude 32.3513889					Longitude -104.2375472			NAD 83	

First Take Point (FTP)

UL E	Section 31	Township 22S	Range 21E	Lot	Feet 1797	From N/S N	Feet 401	From E/W W	County Edley
Latitude 32.3508028					Longitude -104.2363417			NAD 83	

Last Take Point (LTP)

UL H	Section 32	Township 22S	Range 21E	Lot	Feet 2259	From N/S N	Feet 409	From E/W E	County Edley
Latitude 32.3500278					Longitude -104.2046111			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 # 30-015-45904		Operator Name: Mewbourne Oil		Property Name: Sundown 31/32 W00DA Fee #1H		Well Number 1H	
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KZ 06/29/2018

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

September 24, 2019

Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241

Re:

S31, T22S, R27E Eddy, NM
N 32.35279 W -104.23684

CLIENT: Mewbourne Oil Company
WELL: Sundown 31/32 W0EH Fee Com 2H
FIELD: Purple Sage; Wolfcamp (GAS)

RIG: Patterson 574
COUNTY: Eddy
API NO: 30-015-45905
JOB NO: 19MLE0409

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 W0EH Fee Com 2H Original Hole	493.00 Ft to 19074.00 Ft	August 12, 2019 to September 2, 2019	TelePacer SlimPulse

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:

S31, T22S, R27E Eddy, NM
N 32.35279 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 August 12, 2019 through September 02, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 493.00 feet to a depth of 19074.00 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 Company for the Sundown 31/32 WOEH Fee Com 2H Well (Original Hole) API No. 30-015-45905 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 24 day of September (month) 2019 (yr)

My Commission expires:

6/14/2023

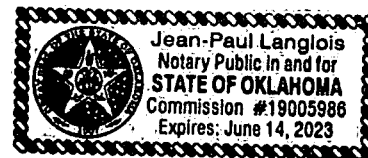
Jean Paul Langlois

Notary Public

Comanche, Oklahoma

(County State)

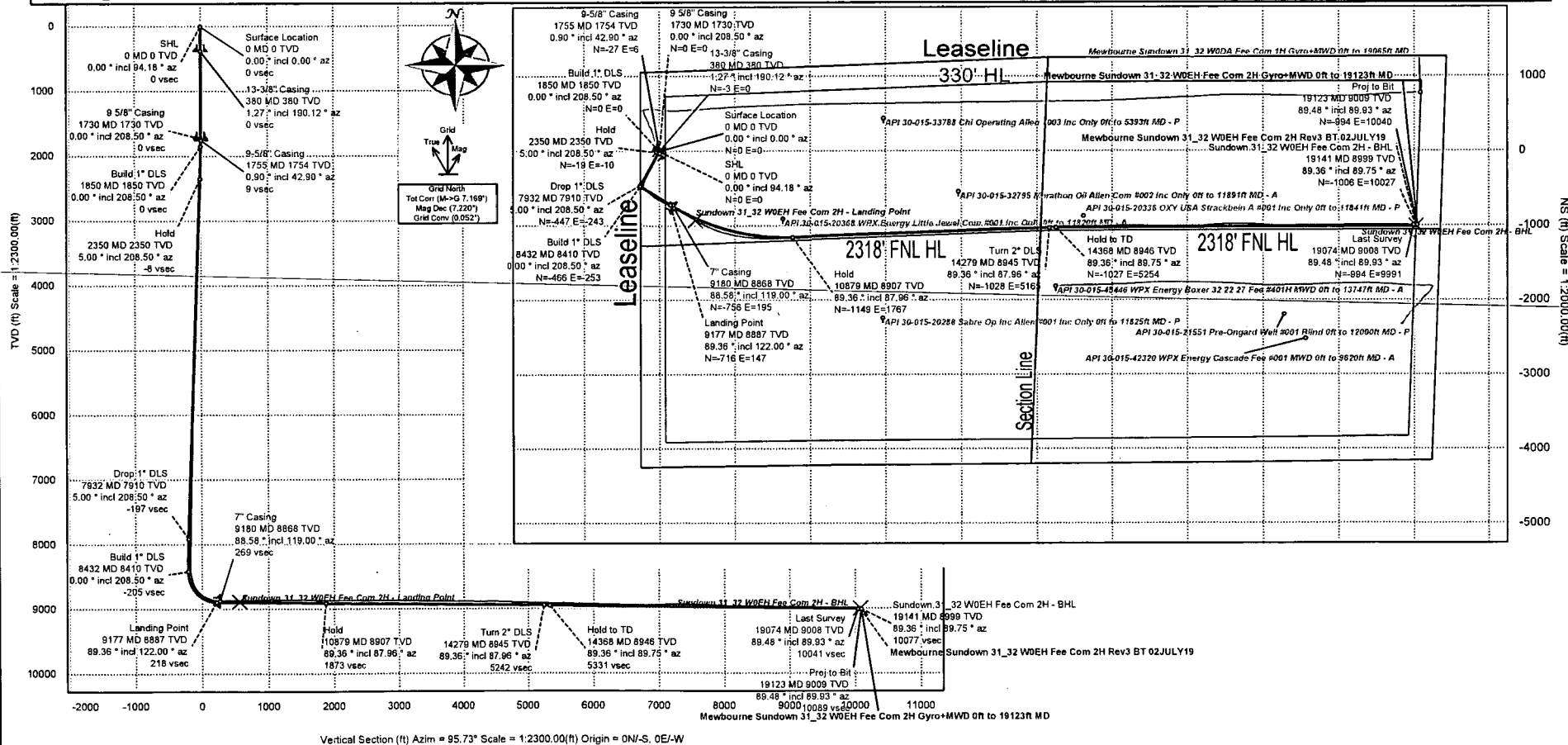
(signature)



Borehole:	Well:	Field:	Structure:
Sundown 31_32 W0EH Fee Com 2H	Sundown 31_32 W0EH Fee Com 2H	NM Eddy County (NAD 83)	Mewbourne Oil Sundown 31_32 W0EH Fee Com 2H

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: HDGM 2019 Dip: 60.023° Date: 02-Aug-2019	Lat: N 32 21 10.03 Northing: 492089.2ftUS Grid Conv: 0.0516°	Slot: New Slot	TVD Ref: RKB = 28ft(3229ft above MSL)
MagDec: 7.22° FS: 47879.279nT Gravity FS: 998.474mgN (9.80665 Based)	Lon: W 104 14 12.62 Easting: 571134.6ftUS Scale Fact: 0.99991011	Plan: Mewbourne Sundown 31_32 W0EH Fee Com 2H Rev3 BT 02JULY19	

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS
SHL	0.00	0.00	94.18	0.00	0.00	0.00	0.00	0.00
9 5/8" Casing	1730.00	0.00	208.50	1730.00	0.00	0.00	0.00	0.00
Build 1" DLS	1850.20	0.00	208.50	1850.20	0.00	0.00	0.00	0.00
Hold	2350.20	5.00	208.50	2349.57	-8.44	-19.16	-10.40	1.00
Drop 1" DLS	7932.20	5.00	208.50	7910.32	-196.74	-446.71	-242.54	0.00
Build 1" DLS	8432.20	0.00	208.50	8409.69	-205.18	-465.87	-252.95	1.00
Landing Point	9176.87	89.36	122.00	8887.13	218.18	-716.06	147.44	12.00
Hold	10878.76	89.36	87.96	8906.71	1873.23	-1149.50	1767.32	2.00
Turn 2" DLS	14278.76	89.36	87.96	8944.69	5241.82	-1028.48	5164.95	0.00
Hold to TD	14368.25	89.36	89.75	8945.69	5330.66	-1026.69	5254.42	2.00
Sundown 31_32 W0EH Fee Com 2H - BHL	19140.75	89.36	89.75	8999.00	10076.90	-1005.86	10026.58	0.00



Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DL6 (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
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Survey Error Model:
Survey Program: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

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	1/98.425	17.500	13.375	NAL_NSG+MSHOT-Depth Only	Sundown 31/32 W0EH Fee Com 2H / Mewbourne Sundown 31/32 W0EH Fee Com 2H Gyro+MWD Sundown 31/32 W0EH Fee Com 2H / Mewbourne Sundown 31/32 W0EH Fee Com 2H Gyro+MWD Sundown 31/32 W0EH Fee Com 2H / Mewbourne Sundown 31/32 Sundown 31/32 W0EH Fee Com 2H / Mewbourne Sundown 31/32 Sundown 31/32 W0EH Fee Com 2H / Mewbourne Sundown 31/32 Sundown 31/32 W0EH Fee Com 2H / Mewbourne Sundown 31/32 Sundown 31/32 W0EH Fee Com 2H / Mewbourne Sundown 31/32
	1	28.000	28.000	Act Strs	17.500	13.375	NAL_NSG+MSHOT-Depth Only	
	1	28.000	380.000	Act Strs	17.500	13.375	NAL_NSG+MSHOT	
	1	380.000	1755.000	Act Strs	12.250	9.625	NAL_MWD_1.0_DEG	
	1	1755.000	9180.000	Act Strs	8.750	7.000	NAL_MWD_1.0_DEG	
	1	9180.000	19123.000	Act Strs	6.125	4.500	NAL_MWD_1.0_DEG	