

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

EMNRD-OCD ARTESIA

REC'D: 5/11/2020

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 30-015-46212	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 326026	⁵ Property Name YUMA 3/10 W1DM STATE COM	
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 3002'

¹⁰ Surface Location

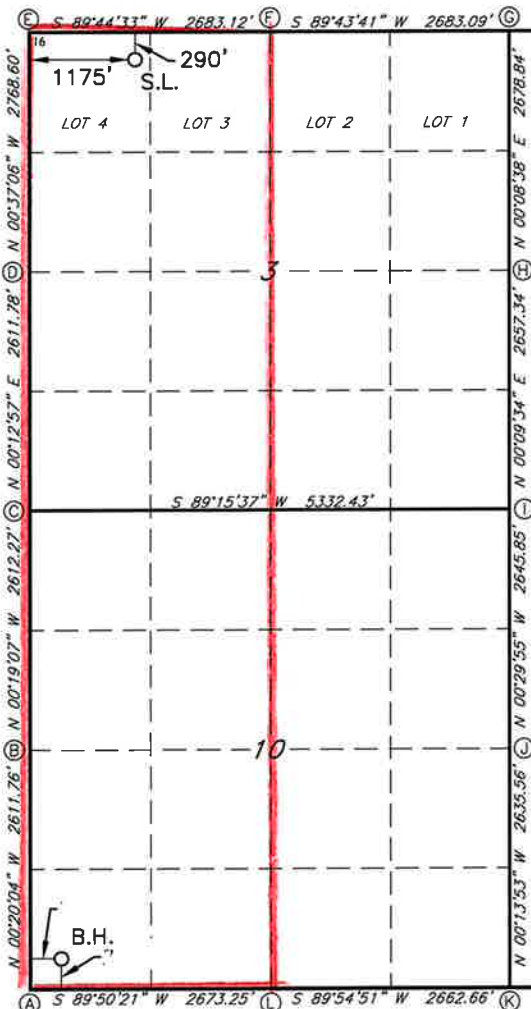
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
4	3	25S	28E		290	NORTH	1175	WEST	EDDY

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
M	10	25S	28E		317	SOUTH	334	WEST	EDDY

¹² Dedicated Acres 640	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.



GEODETIC DATA
NAD 83 GRID - NM EAST
SURFACE LOCATION
N: 424113.1 - E: 619722.3
LAT: 32.1657115° N
LONG: 104.0800132° W
BOTTOM HOLE
N: 414126.9 - E: 618922.1
LAT: 32.1382655° N
LONG: 104.0826741° W
CORNER DATA
NAD 83 GRID - NM EAST
A: FOUND BRASS CAP "1940"
N: 413796.1 - E: 618594.1
B: FOUND BRASS CAP "1940"
N: 416407.2 - E: 618578.9
C: FOUND BRASS CAP "1940"
N: 419018.9 - E: 618564.4
D: FOUND BRASS CAP "1940"
N: 421630.1 - E: 618574.2
E: FOUND BRASS CAP "1940"
N: 424397.9 - E: 618544.3
F: FOUND BRASS CAP "1940"
N: 424409.9 - E: 621226.8
G: FOUND BRASS CAP "1940"
N: 424422.7 - E: 623909.3
H: FOUND BRASS CAP "1940"
N: 421744.4 - E: 623902.6
I: FOUND BRASS CAP "1940"
N: 419087.7 - E: 623895.2
J: FOUND BRASS CAP "1940"
N: 416442.5 - E: 623918.2
K: FOUND BRASS CAP "1940"
N: 413807.6 - E: 623928.9
L: FOUND BRASS CAP "1940"
N: 413803.6 - E: 621266.8

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: Jackie Lathan Date: 04/14/20
Printed Name: Jackie Lathan
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.

07-08-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC-Job No: LS19070745

Intent ☐ As Drilled ☒

API # 30-015-46212			
Operator Name: Mewbourne Oil Company		Property Name: Yuma 3/10 W1DM State Com	Well Number #1H

Kick Off Point (KOP)

UL D	Section 3	Township 25S	Range 26E	Lot	Feet 7	From N/S N	Feet 486	From E/W W	County Eddy
Latitude 32.1664987					Longitude -104.0822336				NAD 83

First Take Point (FTP)

UL D	Section 3	Township 25S	Range 26E	Lot	Feet 519	From N/S N	Feet 492	From E/W W	County Eddy
Latitude 32.1650864					Longitude -104.0822576				NAD 83

Last Take Point (LTP)

UL M	Section 10	Township 25S	Range 29E	Lot	Feet 369	From N/S S	Feet 334	From E/W W	County Eddy
Latitude 32.1383924					Longitude -104.0826765				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.

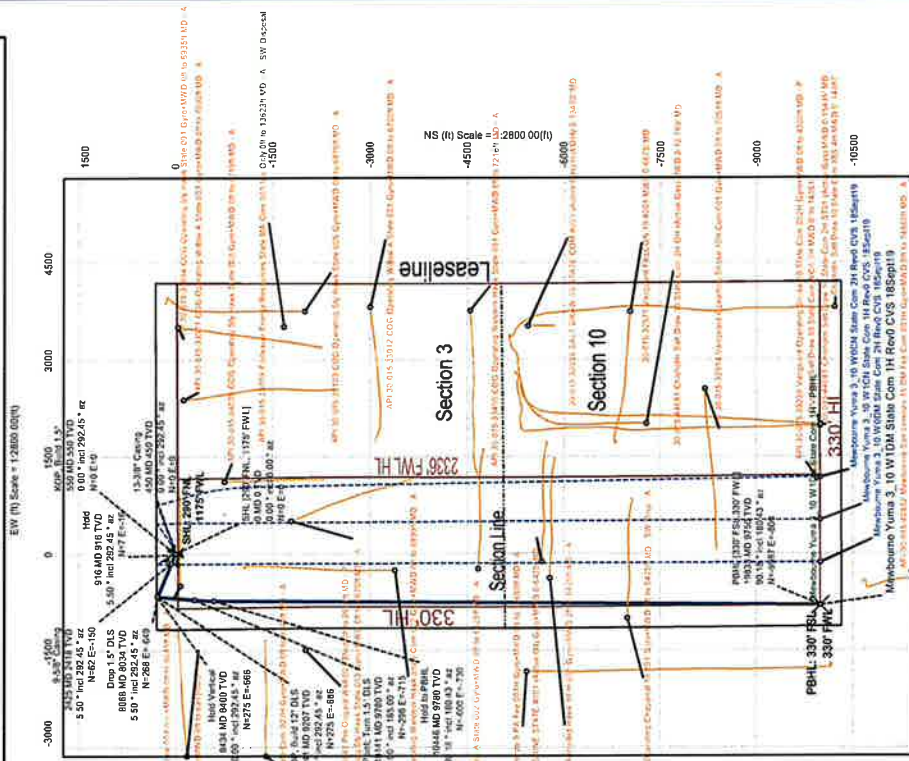
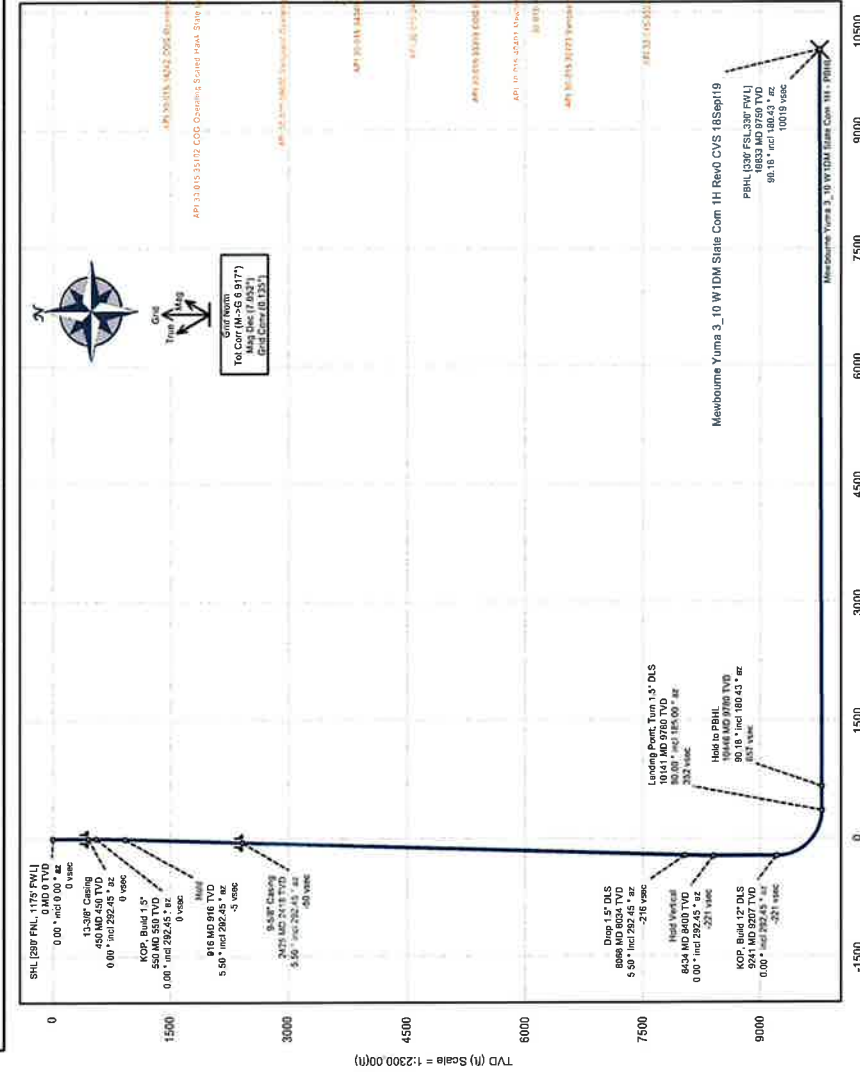
API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018

Borehole:	Well:	Field:	Structure:
Yuma 3_10 W1DM State Com 1H	Yuma 3_10 W1DM State Com 1H	NM Eddy County (NAD 83)	Mewbourne Oil Yuma 3_10 W1DM State Com 1H

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: HOGM 2019	Lat: N 32 9 56.36	424113.16US	New Shot
Dip: 59.86°	Long: W 104 4 48.05	619722.31US	Plant: Mewbourne Yuma 3_10 W1DM State Com 1H Rev'd CVS 18Sept19
MagDec: 7.632°		Scale Fact: 0.99991613	

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/R(-)	E(+)/W(-)	DLS
SHL [290° FNL, 1175° FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.38" Casing	450.00	0.00	292.45	450.00	0.00	0.00	0.00	0.00
KOP, Build 1.5°	550.00	0.00	292.45	550.00	0.00	0.00	0.00	0.00
Hold	916.42	5.50	292.45	915.86	-5.39	6.71	-16.23	1.50
9-5/8" Casing	2425.00	5.50	292.45	2417.50	-49.73	61.89	-149.77	0.00
Drop 1.5° DLS	8067.58	5.50	292.45	8034.14	-215.58	268.29	-649.27	0.00
Hold Vertical	8434.00	0.00	292.45	8400.00	-220.96	275.00	-665.50	1.50
KOP, Build 12° DLS	9241.04	0.00	292.45	9207.04	-220.96	275.00	-665.50	0.00
Landing Point, Turn 1.5° DLS	10141.05	90.00	185.00	9780.00	351.98	-295.78	-715.44	10.00
Hold to PBHL	10445.97	90.18	180.43	9779.52	556.66	-600.28	-729.88	1.50
PBHL [330° FSL, 330° FWL]	19633.06	90.18	180.43	9750.00	10019.07	-9987.06	-800.27	0.00



Vertical Section (ft) Azim = 184.58° Scale = 1:2300.00(0) Origin = DNUS, NE/W

Mewbourne Yuma 3_10 W1DM State Com 1H MWD Off to 19788ft Survey

Geodetic Report

(Def Survey)



Report Date: October 30, 2019 - 12:21 PM
Client: Mewbourne Oil Company
Field: NM Eddy County (NAD 83)
Structure / Slot: Mewbourne Oil Yuma 3_10 W1DM State Com 1H / New Slot
Well: Yuma 3_10 W1DM State Com 1H
Borehole: Yuma 3_10 W1DM State Com 1H
UWI / API#: Unknown / Unknown
Survey Name: Mewbourne Yuma 3_10 W1DM State Com 1H MWD Off to 19788ft
Survey Date: September 25, 2019
Tort / AHD / DDI / ERD Ratio: 310.110 ° / 11079.329 ft / 6.842 / 1.133
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 9' 56.56118", W 104° 4' 48.04716"
Location Grid N/E Y/X: N 424113.100 ftUS, E 619722.300 ftUS
CRS Grid Convergence Angle: 0.1349 °
Grid Scale Factor: 0.99991613
Version / Patch: 2.10.782.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 184.581 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3030.000 ft above MSL
Seabed / Ground Elevation: 3002.000 ft above MSL
Magnetic Declination: 7.050 °
Total Gravity Field Strength: 998.4574mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47841.642 nT
Magnetic Dip Angle: 59.886 °
Declination Date: September 25, 2019
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.1349 °
Total Corr Mag North->Grid North: 6.9151 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (ft/100ft)	TF (°)
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	41.38M
	100.00	0.50	41.38	100.00	-0.35	0.33	0.29	0.44	41.38	0.50	20.21M
	200.00	0.88	20.21	199.99	-1.44	1.38	0.84	1.61	31.48	0.45	10.83M
	300.00	1.85	10.83	299.96	-3.78	3.68	1.41	3.94	20.97	0.99	45.86M
13 3/8" Casing	400.00	1.64	45.86	399.92	-6.46	6.26	2.74	6.84	23.63	1.07	38.34M
First SLB	531.00	2.29	38.34	530.84	-10.05	9.62	5.71	11.19	30.69	0.53	20.41M
Survey	588.00	3.21	20.41	587.78	-12.53	12.01	6.97	13.89	30.14	2.19	340.28M
	648.00	3.64	340.28	647.68	-15.88	15.38	6.92	16.86	24.21	3.97	312.33M
	707.00	5.19	312.33	706.51	-19.22	18.94	4.31	19.42	12.82	4.42	305.49M
	751.00	5.91	305.49	750.30	-21.61	21.59	1.00	21.62	2.64	2.22	283.99M
	829.00	6.60	283.99	827.85	-24.40	25.01	-6.83	25.87	345.16	3.11	274.83M
	923.00	7.77	274.83	921.11	-25.31	26.85	-18.20	32.44	325.87	1.74	274.53M
	1018.00	8.28	274.53	1015.18	-25.33	27.93	-31.42	42.04	311.84	0.54	0.52L
	1112.00	8.79	274.50	1108.14	-25.32	29.03	-45.33	53.83	302.64	0.54	177.25L
	1206.00	6.47	273.51	1201.30	-25.21	29.92	-57.77	65.06	297.38	2.47	268.96M
	1300.00	5.65	268.96	1294.77	-24.66	30.16	-67.69	74.10	294.02	1.01	269.24M
	1394.00	5.86	289.24	1388.31	-25.42	31.66	-76.84	83.11	292.39	2.16	298.68M
	1583.00	6.36	298.68	1576.24	-32.13	39.86	-95.14	103.15	292.73	0.59	295.26M
	1678.00	6.43	295.26	1670.65	-36.16	44.65	-104.57	113.70	293.12	0.41	298.4M
	1772.00	6.43	298.40	1764.06	-40.14	49.40	-113.96	124.20	293.44	0.37	297.56M
	1867.00	5.41	297.56	1858.55	-44.04	54.01	-122.61	133.97	293.77	1.08	302.7M
	1962.00	4.20	302.70	1953.21	-47.43	57.96	-129.50	141.88	294.11	1.35	300.79M
	2056.00	5.81	300.79	2046.85	-51.15	62.25	-136.49	150.01	294.52	1.72	300.25M
	2150.00	6.18	300.25	2140.34	-55.45	67.24	-144.95	159.78	294.89	0.40	302.4M
	2244.00	5.08	302.40	2233.88	-59.58	72.02	-152.83	168.95	295.23	1.19	308.93M
	2339.00	4.35	308.93	2328.56	-63.58	76.53	-159.18	176.63	295.68	0.95	295.8M
	2411.00	5.00	295.80	2400.33	-66.25	79.62	-164.13	182.42	295.88	1.73	295.79M
9 5/8" Casing	2450.00	5.40	295.79	2439.16	-67.53	81.15	-167.32	185.96	295.88	1.04	295.78M
	2521.00	6.14	295.78	2509.80	-70.11	84.26	-173.75	193.10	295.87	1.04	294.01M
	2616.00	5.57	294.01	2604.31	-73.49	88.35	-182.53	202.79	295.83	0.63	292.91M
	2710.00	5.68	292.91	2697.86	-76.47	92.01	-190.99	211.99	295.72	0.16	291.8M
	2805.00	5.34	291.80	2792.42	-79.25	95.49	-199.42	221.10	295.59	0.38	292.3M
	2899.00	5.29	292.30	2886.01	-81.87	98.75	-207.49	229.79	295.45	0.07	291.89M
	2993.00	5.19	291.69	2979.62	-84.44	101.97	-215.45	238.36	295.33	0.12	290.01M
	3088.00	4.95	290.01	3074.25	-86.79	104.96	-223.29	246.73	295.18	0.30	295.61M
	3183.00	4.96	295.61	3168.89	-89.35	108.14	-230.85	254.92	295.10	0.51	293.05M
	3277.00	5.24	293.05	3262.52	-92.17	111.58	-238.46	263.27	295.07	0.38	290.4M
	3372.00	4.90	290.40	3357.15	-94.65	114.89	-246.26	271.65	294.97	0.43	287.54M
	3466.00	4.58	287.54	3450.83	-96.59	117.22	-253.60	279.38	294.81	0.42	285.96M
	3560.00	4.46	285.96	3544.54	-98.15	119.35	-260.69	286.71	294.60	0.18	308.55M
	3655.00	5.39	308.55	3639.19	-101.37	123.15	-267.73	294.70	294.70	2.24	311.71M
	3749.00	6.19	311.71	3732.71	-106.90	129.27	-274.97	303.84	295.18	0.92	313.49M
	3843.00	6.19	313.49	3826.16	-113.14	136.13	-282.43	313.53	295.73	0.20	313.94M
	3937.00	6.18	313.94	3919.62	-119.53	143.13	-289.75	323.17	296.29	0.05	311.64M
	4032.00	5.83	311.64	4014.10	-125.68	149.89	-297.04	332.71	296.78	0.45	311.58M
	4126.00	5.50	311.58	4107.64	-131.27	156.05	-303.97	341.69	297.17	0.35	308.67M
	4221.00	5.28	308.67	4202.22	-136.46	161.80	-310.79	350.39	297.50	0.37	310.53M
	4315.00	5.13	310.53	4295.83	-141.35	167.24	-317.36	358.73	297.79	0.24	308.25M
	4410.00	4.72	308.25	4390.48	-146.01	172.41	-323.66	366.72	298.04	0.48	307.9M
	4504.00	4.59	307.90	4484.17	-150.22	177.12	-329.67	374.23	298.25	0.14	310.94M
	4599.00	4.76	310.94	4578.85	-154.65	182.04	-335.64	381.83	298.47	0.32	310.55M
	4693.00	4.42	310.55	4672.55	-159.09	186.95	-341.34	389.18	298.71	0.36	303.86M
	4787.00	5.24	303.86	4766.22	-163.32	191.69	-347.66	397.01	298.87	1.08	303.53M
	4882.00	6.40	303.53	4860.73	-168.00	197.04	-355.67	406.61	298.99	1.22	303.92M
	4976.00	5.97	303.92	4954.18	-172.93	202.66	-364.10	416.70	299.10	0.46	305.12M
	5071.00	5.75	305.12	5048.88	-177.77	208.15	-372.09	426.36	299.22	0.27	305.96M
	5165.00	5.47	305.96	5142.23	-182.50	213.49	-379.57	435.49	299.36	0.31	301.82M
	5260.00	5.09	301.82	5236.83	-186.78	218.37	-386.81	444.20	299.45	0.57	298.45M
	5354.00	4.97	298.45	5330.47	-190.34	222.51	-393.94	452.44	299.46	0.34	298.7M
	5448.00	4.75	298.70	5424.13	-193.58	226.32	-400.93	460.40	299.44	0.24	301.85M
	5542.00	4.41	301.85	5517.83	-196.82	230.10	-407.42	467.90	299.46	0.45	303.74M
	5637.00	4.83	303.74	5612.52	-200.44	234.25	-413.84	475.54	299.51	0.47	304.46M
	5731.00	4.85	304.46	5706.18	-204.35	238.69	-420.41	483.45	299.59	0.07	290.11M
	5825.00	4.52	290.11	5799.87	-207.32	242.21	-427.17	491.08	299.55	1.29	288.79M
	5920.00	4.74	288.79	5894.56	-209.29	244.77	-434.40	498.61	299.40	0.26	285.8M
	6014.00	4.24	285.80	5988.28	-210.92	246.96	-441.42	505.81	299.23	0.59	278.54M
	6108.00	4.61	278.54	6082.00	-211.86	248.47	-448.50	512.72	298.99	0.71	268.58M
	6202.00	4.64	268.58	6175.69	-211.72	248.94	-456.03	519.55	298.63	0.85	269.84M

Comments	MD (R)	Incl (°)	Azim Grid (°)	TVD (R)	VSEC (R)	NS (R)	EW (R)	Closure (R)	Closure Azimuth (°)	DLS (°/100R)	TF (°)
	6295.00	4.43	269.84	6269.40	-211.02	248.83	-463.46	526.04	298.23	0.25	267.6M
	6390.00	4.56	267.60	6363.11	-210.27	248.67	-470.83	532.46	297.84	0.23	266.08M
	6484.00	4.44	266.08	6456.82	-209.27	248.26	-478.19	538.80	297.44	0.18	264.61M
	6577.00	4.31	264.61	6549.55	-208.14	247.69	-485.26	544.82	297.04	0.18	270.88M
	6671.00	3.91	270.88	6643.31	-207.32	247.40	-491.98	550.69	296.70	0.64	279.07M
	6765.00	5.42	279.07	6736.99	-207.46	248.15	-499.57	557.81	296.41	1.75	270.61M
	6859.00	5.35	270.61	6830.58	-207.50	248.90	-508.34	566.00	296.09	0.85	263.69M
	6953.00	4.94	263.69	6924.20	-206.44	248.50	-516.74	573.39	295.68	0.79	264.07M
	7048.00	4.62	264.07	7018.87	-204.96	247.66	-524.61	580.13	295.27	0.34	280.26M
	7142.00	6.56	280.26	7112.42	-204.81	248.22	-533.67	588.57	294.94	2.64	280.39M
	7236.00	6.78	280.39	7205.79	-205.90	250.18	-544.41	599.14	294.68	0.23	283.45M
	7331.00	6.60	283.45	7300.14	-207.31	252.46	-555.23	609.93	294.45	0.42	281.9M
	7425.00	5.68	281.90	7393.60	-208.73	254.68	-565.04	619.78	294.26	0.99	283.4M
	7519.00	4.92	283.40	7487.20	-209.94	256.57	-573.51	628.29	294.10	0.82	277.27M
	7614.00	4.44	277.27	7581.88	-210.74	257.98	-581.12	635.81	293.94	0.73	283.72M
	7708.00	6.70	283.72	7675.43	-211.78	259.74	-590.06	644.70	293.76	2.49	287.19M
	7802.00	6.42	287.19	7768.82	-213.80	262.59	-600.41	655.32	293.62	0.52	286.65M
	7896.00	5.24	286.65	7862.33	-215.85	265.38	-609.54	664.80	293.53	1.26	282.45M
	7990.00	5.28	282.45	7955.94	-217.34	267.54	-617.88	673.31	293.41	0.41	283.02M
	8084.00	5.38	283.02	8049.53	-218.57	269.46	-626.39	681.89	293.28	0.12	281.63M
	8178.00	4.52	281.63	8143.18	-219.68	271.20	-634.31	689.66	293.15	0.92	282.43M
	8272.00	4.26	282.43	8236.90	-220.61	272.70	-641.35	696.92	293.04	0.28	283.11M
	8366.00	3.65	283.11	8330.68	-221.53	274.13	-647.68	703.30	292.94	0.65	281.82M
	8460.00	3.01	281.82	8424.52	-222.28	275.32	-653.01	708.67	292.86	0.69	282.39M
	8555.00	2.71	282.39	8519.40	-222.90	276.31	-657.64	713.33	292.79	0.32	277.28M
	8649.00	2.59	277.28	8613.30	-223.30	277.05	-661.92	717.56	292.71	0.28	294.16M
	8744.00	2.94	294.16	8708.19	-224.22	278.32	-666.27	722.07	292.67	0.93	295.64M
	8838.00	3.59	295.64	8802.04	-226.09	280.58	-671.12	727.41	292.69	0.70	296.87M
	8932.00	3.34	296.87	8895.86	-228.18	283.10	-676.22	733.08	292.72	0.28	277.26M
	9027.00	2.71	277.26	8990.73	-229.34	284.63	-680.91	738.01	292.69	1.27	270.52M
	9121.00	2.54	270.52	9084.64	-229.29	284.93	-685.20	742.08	292.58	0.37	273.31M
	9138.00	2.25	273.31	9101.62	-229.26	284.95	-685.91	742.75	292.56	1.84	254.57M
	9192.00	1.75	254.57	9155.59	-228.95	284.79	-687.76	744.40	292.49	1.51	191.1M
	9239.00	4.57	191.10	9202.52	-226.85	282.78	-688.82	744.60	292.32	8.72	184.04M
	9286.00	10.07	184.04	9249.12	-220.87	278.82	-689.47	742.97	291.88	11.84	6.04R
	9380.00	24.11	187.63	9338.75	-193.35	249.46	-692.61	736.17	289.81	14.97	0.12R
	9474.00	35.15	187.67	9420.33	-147.01	203.47	-698.79	727.81	286.23	11.74	40.97L
7" Casing	9500.00	37.19	184.79	9441.32	-131.68	188.22	-700.45	725.30	285.04	10.20	38.65L
	9568.00	42.79	178.42	9493.42	-88.11	144.60	-701.53	716.28	281.65	10.20	17.89L
	9663.00	52.58	174.49	9557.31	-18.70	74.61	-697.01	700.99	276.11	10.75	15.66R
	9757.00	58.74	176.50	9610.32	57.90	-2.73	-690.96	690.97	269.77	6.79	22.87R
	9852.00	65.92	179.79	9654.41	141.45	-86.75	-688.32	693.76	262.82	8.16	20.33R
	9923.00	72.06	182.17	9679.86	207.56	-152.98	-689.48	706.25	257.49	9.20	17.58R
	9997.00	77.31	183.87	9699.40	278.88	-224.22	-693.25	728.61	252.08	7.43	13.88R
	10092.00	79.62	184.45	9718.40	371.95	-317.05	-700.07	768.46	245.63	2.50	62.9R
	10186.00	80.23	185.65	9734.84	464.49	-409.24	-708.15	817.90	239.98	1.41	7.7R
	10280.00	81.62	185.84	9749.67	557.30	-501.60	-717.45	875.40	235.04	1.49	9.91R
	10375.00	83.04	186.09	9762.35	651.42	-595.23	-727.23	939.77	230.70	1.52	5.04L
	10469.00	85.87	185.84	9771.43	744.94	-688.28	-736.95	1008.38	226.96	3.02	36.27L
	10564.00	88.42	183.97	9776.16	839.81	-782.80	-745.06	1080.89	223.59	3.33	52.85L
	10658.00	90.65	181.05	9776.92	933.73	-876.69	-749.18	1153.19	220.52	3.91	85.74R
	10752.00	90.72	181.99	9775.80	1027.59	-970.65	-751.67	1227.67	217.75	1.00	84.51L
	10847.00	90.93	179.80	9774.43	1122.37	-1065.62	-753.15	1304.91	215.25	2.32	148.11R
	10941.00	90.48	180.08	9773.27	1216.06	-1159.62	-753.06	1382.88	213.00	0.56	55.67R
	11035.00	90.76	180.49	9772.26	1309.79	-1253.61	-753.52	1462.65	211.01	0.53	127.88R
	11130.00	90.69	180.58	9771.05	1404.54	-1348.60	-754.41	1545.27	209.22	0.12	86.21R
	11225.00	90.76	181.64	9769.85	1499.36	-1443.57	-756.25	1629.67	207.65	1.12	14.65L
	11319.00	91.41	181.47	9768.07	1593.21	-1537.52	-758.80	1714.57	206.27	0.71	73.73L
	11414.00	91.48	181.23	9765.68	1688.03	-1632.46	-761.04	1801.14	204.99	0.26	57.66R
	11445.00	91.79	181.72	9764.79	1718.97	-1663.44	-761.84	1829.60	204.61	1.87	115.71L
	11509.00	91.00	180.08	9763.23	1782.82	-1727.41	-762.84	1888.35	203.83	2.84	50.18R
	11603.00	91.65	180.86	9761.06	1876.55	-1821.38	-763.61	1974.98	202.75	1.08	138.64L
	11697.00	90.48	179.83	9759.31	1970.27	-1915.36	-764.18	2062.18	201.75	1.66	90L
	11792.00	90.48	178.41	9758.52	2064.84	-2010.34	-762.72	2150.17	200.78	1.49	84.23L
	11886.00	90.58	177.42	9757.65	2158.20	-2104.28	-759.30	2237.08	199.84	1.06	9.09L
	11980.00	90.83	177.38	9756.49	2251.45	-2198.17	-755.04	2324.23	198.96	0.27	96.01R
	12169.00	90.79	177.76	9753.82	2439.02	-2386.98	-747.02	2501.14	197.38	0.20	121.3R
	12263.00	90.34	178.50	9752.89	2532.42	-2480.93	-743.96	2590.07	196.69	0.92	78.78R
	12357.00	90.76	180.62	9751.99	2626.05	-2574.91	-743.23	2680.03	196.10	2.30	65.01L
	12451.00	91.17	179.74	9750.41	2719.76	-2668.90	-743.53	2770.53	195.57	1.03	159.26R
	12545.00	90.14	180.13	9749.33	2813.44	-2762.89	-743.42	2861.16	195.06	1.17	66.51R
	12640.00	91.20	182.57	9748.22	2908.27	-2857.85	-745.66	2953.53	194.62	2.80	83.21R
	12733.00	91.58	185.78	9745.96	3001.23	-2950.56	-752.43	3044.99	194.31	3.47	113.2L
	12827.00	90.34	182.89	9744.39	3095.21	-3044.27	-759.53	3137.59	194.01	3.35	92.03L
	12921.00	90.17	178.13	9743.97	3188.94	-3138.24	-760.37	3229.04	193.62	5.07	148.48L
	13015.00	89.42	177.67	9744.31	3282.30	-3232.17	-756.92	3319.62	193.18	0.94	45L
	13110.00	89.69	177.40	9745.05	3376.58	-3327.08	-752.84	3411.19	192.75	0.40	114.6L
	13298.00	89.31	176.57	9746.69	3562.92	-3514.81	-742.95	3592.48	191.94	0.49	86.35R
	13392.00	89.45	178.76	9747.70	3656.23	-3608.72	-739.12	3683.64	191.57	2.33	70.52R
	13486.00	90.14	180.71	9748.04	3749.89	-3702.72	-738.68	3775.68	191.28	2.20	101.08L
	13581.00	89.86	179.28	9748.04	3844.58	-3797.71	-738.68	3868.89	191.01	1.53	118.34L
	13675.00	89.38	178.39	9748.66	3938.10	-3891.69	-736.77	3960.82	190.72	1.08	33.43R
	13770.00	90.38	179.05	9748.86	4032.61	-3985.67	-734.84	4053.79	190.44	1.26	98.94R
	13864.00	90.24	179.94	9748.35	4126.23	-4080.66	-733.81	4146.12	190.19	0.96	100.81R
	13958.00	90.03	181.04	9748.13	4219.99	-4174.65	-734.62	4238.80	189.98	1.19	91.72R
	14053.00	89.90	185.36	9748.19	4314.94	-4269.48	-739.92	4333.13	189.83	4.55	86.59L
	14146.00	90.07	182.51	9748.21	4407.93	-4362.26	-746.30	4425.63	189.71	3.07	94.65L
	14241.00	90.00	181.65	9748.16	4502.83	-4457.19	-749.75	4519.81	189.55	0.91	111.8L
	14335.00	89.52	180.45	9748.55	4596.65	-4551.17	-751.47	4612.80	189.38	1.37	16.16R
	14429.00	90.21	180.65	9748.77	4690.42	-4645.17	-752.37	4705.70	189.20	0.76	87.64R
	14523.00	90.28	182.35	9748.37	4784.28	-4739.13	-754.84	4798.87	189.05	1.81	36.03L
	14618.00	90.72	182.03	9747.54	4879.19	-4834.06	-758.47	4893.20	188.92	0.57	114.93L
	14712.00	89.79	180.03	9747.12	4973.01	-4928.04	-760.15	4986.32	188.77	2.35	29.75R
	14806.00	90.07	180.19	9747.24							

Comments	MD (R)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (R)	NS (ft)	EW (R)	Closure (R)	Closure Azimuth (°)	DLS (°/100R)	TF (°)
	15467.00	89.83	178.19	9747.32	5724.91	-5682.91	-753.21	5732.61	187.55	1.07	107.38L
	15561.00	89.42	176.88	9747.93	5818.20	-5776.82	-749.17	5825.19	187.39	1.46	66.63L
	15566.00	89.93	175.70	9748.47	5912.20	-5871.61	-743.02	5918.44	187.21	1.35	171.77R
	15750.00	89.17	175.81	9749.21	6005.08	-5965.35	-736.06	6010.59	187.03	0.82	89.49R
	15844.00	89.21	180.03	9750.54	6098.42	-6059.26	-732.65	6103.39	186.89	4.49	6.75R
	15938.00	90.14	180.14	9751.07	6192.13	-6153.26	-732.79	6196.74	186.79	1.00	86.63R
	16032.00	90.21	181.33	9750.79	6285.91	-6247.25	-734.00	6290.22	186.70	1.27	88.45R
	16127.00	90.24	182.44	9750.41	6380.81	-6342.19	-737.12	6384.89	186.63	1.17	155.38L
	16221.00	89.76	182.22	9750.41	6474.73	-6436.12	-740.94	6478.63	186.57	0.56	3.01R
	16315.00	90.14	182.24	9750.50	6568.65	-6530.04	-744.60	6572.36	186.51	0.40	104.55L
	16409.00	89.66	180.39	9750.66	6662.50	-6624.02	-746.76	6665.98	186.43	2.03	76.82L
	16503.00	90.14	178.34	9750.82	6756.10	-6718.00	-745.72	6759.27	186.33	2.24	92.47R
	16597.00	90.03	180.89	9750.68	6849.74	-6811.99	-745.08	6852.62	186.24	2.72	85.97R
	16692.00	90.24	183.87	9750.46	6944.66	-6906.90	-749.03	6947.40	186.19	3.14	169.51L
	16786.00	89.97	183.82	9750.28	7040.65	-7002.88	-755.47	7043.32	186.16	0.29	86.47L
	16880.00	90.07	182.20	9750.25	7132.61	-7094.55	-760.30	7135.18	186.12	1.76	97.74R
	16972.00	89.93	183.23	9750.25	7224.56	-7186.45	-764.65	7227.02	186.07	1.13	94.64R
	17064.00	89.90	183.60	9750.39	7316.55	-7278.29	-770.13	7318.92	186.04	0.40	85.6L
	17157.00	90.00	182.30	9750.47	7409.51	-7371.16	-774.92	7411.78	186.00	1.40	80.11L
	17249.00	90.38	180.12	9750.16	7501.34	-7463.13	-778.86	7503.46	185.94	2.41	131.7L
	17341.00	88.18	177.65	9751.32	7592.87	-7555.10	-775.07	7594.75	185.86	3.80	33.8L
	17433.00	89.45	176.80	9753.22	7684.09	-7646.97	-770.62	7685.70	185.75	1.66	73.81R
	17526.00	90.24	179.52	9753.48	7776.49	-7739.91	-767.64	7777.88	185.66	3.05	143.13R
	17618.00	89.76	179.88	9753.48	7868.16	-7831.91	-767.15	7869.39	185.59	0.65	99.78L
	17710.00	89.66	179.30	9753.94	7959.81	-7923.90	-766.50	7960.89	185.53	0.64	55.62R
	17802.00	89.79	179.49	9754.38	8051.43	-8015.90	-765.52	8052.37	185.46	0.25	77.91L
	17895.00	90.03	178.37	9754.53	8143.98	-8108.86	-763.79	8144.77	185.38	1.23	94.18L
	17987.00	90.00	177.96	9754.50	8235.40	-8200.83	-760.64	8236.05	185.30	0.45	18.21L
	18079.00	90.76	177.71	9753.89	8326.76	-8292.76	-757.37	8327.28	185.22	0.87	101.85R
	18174.00	90.34	179.71	9753.01	8418.27	-8384.73	-755.29	8418.68	185.15	2.22	97.63R
	18264.00	90.21	180.68	9752.56	8511.00	-8477.73	-755.61	8511.34	185.09	1.05	71.56R
	18356.00	90.45	181.40	9752.03	8602.82	-8569.71	-757.28	8603.11	185.05	0.82	68.5R
	18448.00	90.58	181.73	9751.21	8694.69	-8661.67	-759.79	8694.93	185.01	0.39	95.45L
	18540.00	90.41	179.95	9750.41	8786.48	-8753.66	-761.14	8786.68	184.97	1.94	88.61R
	18633.00	90.52	184.54	9749.66	8879.38	-8846.56	-764.78	8879.55	184.94	4.94	90.88L
	18725.00	90.48	181.96	9748.85	8971.34	-8938.40	-770.00	8971.50	184.92	2.80	46.46R
	18817.00	90.86	182.36	9747.78	9063.25	-9030.33	-773.47	9063.39	184.90	0.60	145.71L
	18910.00	89.76	181.61	9747.28	9156.15	-9123.27	-776.69	9156.27	184.87	1.43	115.59R
	19002.00	89.42	182.32	9747.93	9248.06	-9215.21	-779.84	9248.15	184.84	0.86	53.23R
	19094.00	90.10	183.23	9748.32	9340.01	-9307.10	-784.30	9340.09	184.82	1.23	82.68L
	19261.00	90.38	181.05	9747.62	9506.84	-9473.97	-790.53	9506.90	184.77	1.32	177.71R
	19354.00	89.38	181.09	9747.81	9599.67	-9566.95	-792.27	9599.70	184.73	1.08	82.19R
	19446.00	90.00	185.60	9748.31	9691.82	-9658.77	-797.64	9691.65	184.72	4.95	131.56L
	19538.00	88.83	184.28	9749.25	9783.61	-9750.42	-805.56	9783.64	184.72	1.92	89.13L
	19630.00	88.93	178.15	9751.05	9875.39	-9842.34	-807.51	9875.41	184.69	6.66	84.4L
Last MWD Survey	19723.00	89.28	174.60	9752.51	9967.41	-9935.13	-801.63	9967.41	184.61	3.84	HS
Projection to Bit	19788.00	89.28	174.60	9753.32	10031.42	-9999.83	-795.51	10031.43	184.55	0.00	

Survey Type: Def Survey

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	1/98 425	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	Yuma 3_10 W1DM State Com 1H / Mewbourne Yuma 3_10 W1DM State Com 1H MWD Off to
	1	28.000	28.000	Act Sins	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	Yuma 3_10 W1DM State Com 1H / Mewbourne Yuma 3_10 W1DM State Com 1H MWD Off to
	1	28.000	400.000	Act Sins	17.500	13.375	NAL_MWD-NON_SLB	Yuma 3_10 W1DM State Com 1H / Mewbourne Yuma 3_10 W1DM Yuma 3_10 W1DM State Com 1H
	1	400.000	2450.000	Act Sins	12.250	9.625	NAL_MWD_1.0_DEG	/ Mewbourne Yuma 3_10 W1DM Yuma 3_10 W1DM State Com 1H
	1	2450.000	9500.000	Act Sins	8.750	7.000	NAL_MWD_1.0_DEG	/ Mewbourne Yuma 3_10 W1DM Yuma 3_10 W1DM State Com 1H
	1	9500.000	19788.000	Act Sins	6.125	6.125	NAL_MWD_1.0_DEG	/ Mewbourne Yuma 3_10 W1DM

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)



January 17, 2020

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

Re:

S3, T25S, R28E Eddy, NM
N 32.1657115 W -104.0800132

CLIENT: Mewbourne Oil Co
WELL: Yuma 3 10 W1DM State Com 1H
FIELD: Purple Sage; Wolfcamp (GAS)

RIG: Patterson 230
COUNTY: Eddy
API NO: 30-015-46212
JOB NO: 19MLE0228

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>
Alexander Camacho FS	Yuma 3 10 W1DM State Com 1H Original Hole	531.00 Ft 19723.00 Ft	October 5, 2019 to October 25, 2019	TelePacer SlimPulse

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:

S3, T25S, R28E Eddy, NM
N 32.1657115 W -104.0800132

I, Alexander Camacho certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 05, 2019 through October 25, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 531.00 feet to a depth of 19723.00 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 Yuma 3 10 WIDM State Com 1H Well (Original Hole) API No. 30-015-46212 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
Alexander Camacho
FS

Alexander Camacho

Subscribed and Sworn to before me this 17 day of January (month) 2020 (yr)

My Commission expires:

6/14/23

Jean-Paul Langlois

(signature)

Notary Public

Camacho

(County State)

