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APR 04 2019

Intent ☐ As Drilled ☒ X

DISTRICT II-ARTESIA O.C.D.

API # 30-015-44655		
Operator Name: Mewbourne Oil Company	Property Name: Virgo 24/23 B2HE Fed Com	Well Number 1H

Kick Off Point (KOP)

UL 11	Section 24	Township 19S	Range 30E	Lot	Feet 11245	From N/S FWL	Feet 11	From E/W FEL	County Edley
Latitude 32° 44' 01.79" N					Longitude 103° 55' 01.22" W				NAD 83

First Take Point (FTP)

UL 11	Section 24	Township 19S	Range 30E	Lot	Feet 2139	From N/S FWL	Feet 335	From E/W FEL	County Edley
Latitude 32° 44' 01.42" N					Longitude 103° 55' 05.51" W				NAD 83

Last Take Point (LTP)

UL E	Section 23	Township 19S	Range 30E	Lot	Feet 160	From N/S FWL	Feet 2150	From E/W FWL	County Edley
Latitude 32° 44' 01.71" N					Longitude 103° 57' 03.23" W				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

☒ Yes

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



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DISTRICT II-ARTESIA O.C.D.

Company Name: Mewbourne Oil Company
Virgo 24-23 B2HE Fed Com #1H
Eddy County, New Mexico (Nad 83)
Rig: Patterson #236
Created By: Shane Robbins
Date: 1/18/2019

Virgo 24-23 B2HE Fed Com #1H
Eddy County, New Mexico (Nad 83)
Q181722 & WT-181448
Design #1

WELL DETAILS: Virgo 24-23 B2HE Fed Com #1H				
NAD	EAD	North	East	Latitude
831422.45	889264.53	32° 44' 8.28" N	102° 50' 2.17" W	

PROJECT DETAILS: Eddy County, New Mexico (Nad 83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level



Azimuths to Grid North

Correction: 6.77°

Magnetic Field

Strength: 48052.5nT

Dip Angle: 60.46°

Date: 11/29/2018

Model: IGRF2015

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N-S	+E-W	VSecDeparture	Annotation		
1490.0	0.00	0.00	1490.0	0.0	0.0	0.0	Bulk 2" 100'		
1640.2	3.89	149.55	1640.1	-3.4	2.0	-1.9	EOB @ 3" Inc / 149.55° Azm		
8117.5	3.89	149.55	8108.5	-296.0	174.8	-164.3	Drop 3" 100'		
8257.8	0.00	0.00	8256.8	-299.4	174.8	-166.1	EOB @ Vert / Bulk 12" 100'		
8924.1	80.78	149.81	8718.0	-351.0	-308.0	-177.6	EOB @ 90.78° Inc / 359.81° Azm / 8738' TVD		
18985.2	80.78	149.81	8601.0	-334.3	-10288.1	10273.5	TD @ 18985' MD / 8601' TVD		

ANNOTATIONS									
MD	Inc	Azi	TVD	+N-S	+E-W	VSecDeparture	Annotation		
524.8	0.23	149.85	524.8	0.5	-4.1	0.1	Gyro Tie In @ 534.8' MD / 534.8' TVD		
4511.8	3.75	158.24	4517.1	-146.7	85.3	-48.5	100' HL Crossed @ 4511.8 MD / 4517.1' TVD		
8513.2	33.15	269.56	8482.9	-290.7	-76.4	844.1	100' HL Crossed @ 8513.2 MD / 8482.9' TVD		
18955.0	80.88	269.89	8510.8	-340.7	-12558.8	12565.1	TD @ 18955.0' MD / 8510.8' TVD		

Vertical Section at 268.14" (200 usd/m)