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Phone: (575) 393-6161 Fax: (575) 393-0720
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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 30-016-46061	² Pool Code 55510	³ Pool Name Scanlon Draw, Bone Spring
⁴ Property Code 325743	⁵ Property Name PARKCHESTER 24/23 B2AD STATE COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 3378'

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
A	24	19S	28E		225	NORTH	205	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
D	23	19S	28E		423	NORTH	87	WEST	EDDY
¹² Dedicated Acres 320	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 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 601422.2 - E: 606189.6 LAT: 32.6531801° N LONG: 104.1226178° W BOTTOM HOLE N: 601138.7 - E: 596081.8 LAT: 32.6524515° N LONG: 104.1554609° W		CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 596258.7 - E: 595984.2 B: FOUND BRASS CAP "1941" N: 598897.7 - E: 595983.6 C: FOUND BRASS CAP "1941" N: 601537.8 - E: 595981.6 D: FOUND BRASS CAP "1941" N: 601556.9 - E: 598579.0 E: FOUND BRASS CAP "1941" N: 601577.6 - E: 601175.4 F: FOUND BRASS CAP "1941" N: 601613.1 - E: 603784.4		G: FOUND BRASS CAP "1941" N: 601650.1 - E: 606394.2 H: FOUND BRASS CAP "1941" N: 598897.4 - E: 606397.9 I: FOUND BRASS CAP "1941" N: 596349.6 - E: 606403.0 J: FOUND BRASS CAP "1941" N: 596322.3 - E: 603791.7 K: FOUND BRASS CAP "1941" N: 596295.7 - E: 601180.7 L: FOUND BRASS CAP "1941" N: 598937.0 - E: 601179.9		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>10/29/19</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. 11-26-2018 Date of Survey Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u> 19680 Certificate Number			

Job No: LS18111281

Intent ☐ As Drilled ☒

API #
30-015-46061

Operator Name: Mewbourne Oil Company	Property Name: Parkchester 24/23 B2AD State Com	Well Number 1H
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Kick Off Point (KOP)

UL A	Section 24	Township 19S	Range 24E	Lot	Feet 266	From N/S N	Feet 27	From E/W E	County FtH
Latitude 32.6530728					Longitude -104.1220358				NAD 83

First Take Point (FTP)

UL A	Section 24	Township 19S	Range 24E	Lot	Feet 368	From N/S N	Feet 376	From E/W E	County FtH
Latitude 32.6527831					Longitude -104.1232003				NAD 83

Last Take Point (LTP)

UL D	Section 23	Township 19S	Range 28E	Lot	Feet 423	From N/S N	Feet 147	From E/W W	County FtH
Latitude 32.6523894					Longitude -104.1553097				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

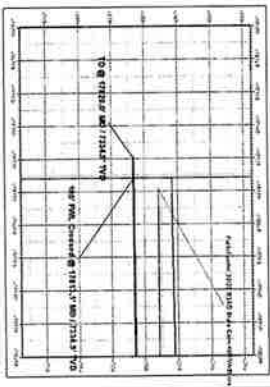
Partchesler 24/23 B2AD State Com #1H
Eddy County, New Mexico (Mad 83)
Q191297 & WT-191126

Design #2

Company Name: Mewbourne Oil Company
Partchesler 24/23 B2AD State Com #1H
Eddy County, New Mexico (Mad 83)
Q191297 & WT-191126
Created By: Steven Robinson
Date: 05/05/09



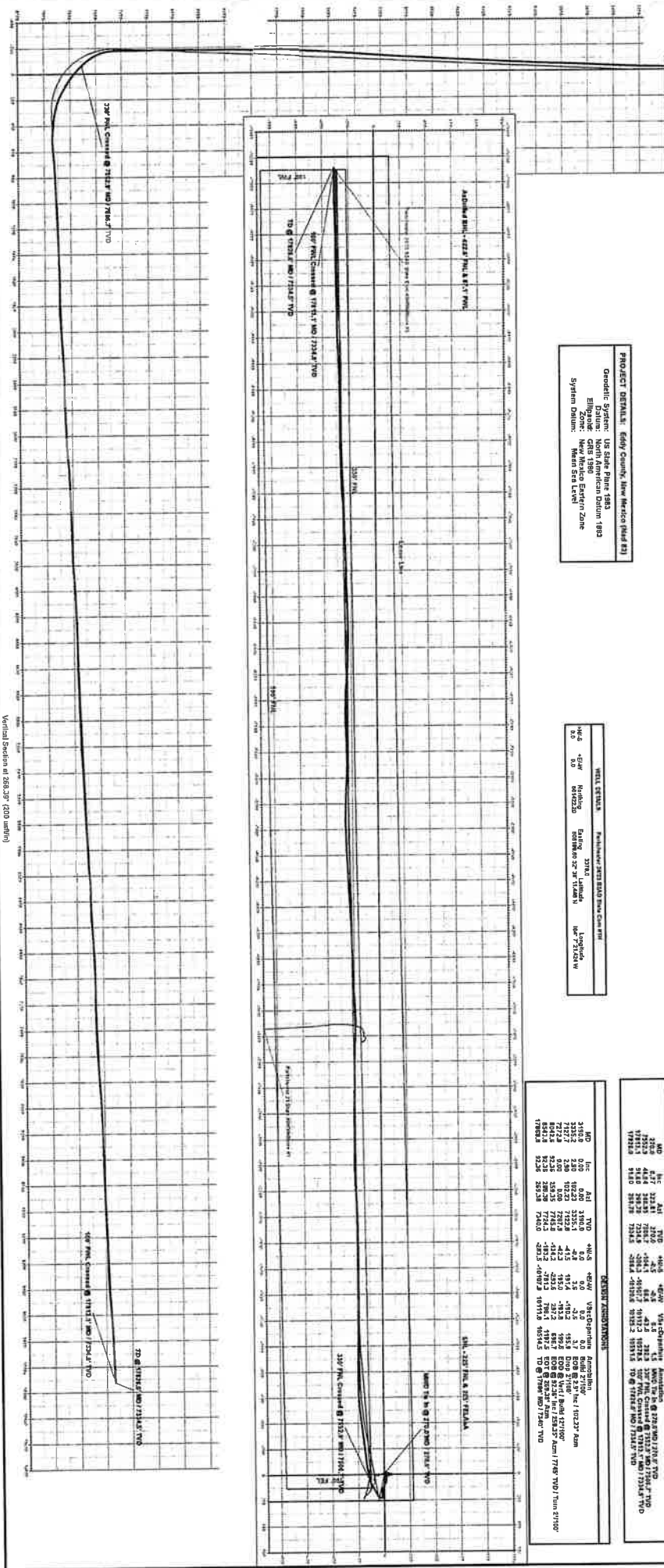
Azinuths to Grid North
Correction: 7.12°
Magnetic Field
Strength: 47958.2snT
Dip Angle: 60.40°
Date: 7/22/2019
Model: HDGM



PROJECT DETAILS: Eddy County, New Mexico (Mad 83)
Geologic System: US State Plans 1893
Elevation: 6853 Feet Above Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS			
WELL NAME	Partchesler 24/23 B2AD State Com #1H	WELL TYPE	Production
WELL ID	Q191297	WELL STATUS	Active
WELL DEPTH	10000.00	WELL DATE	05/05/09

WELL DATA			
MD	INC	AT	TWD
10000.00	0.00	0.00	0.00
9999.99	0.00	0.00	0.00
9999.98	0.00	0.00	0.00
9999.97	0.00	0.00	0.00
9999.96	0.00	0.00	0.00
9999.95	0.00	0.00	0.00
9999.94	0.00	0.00	0.00
9999.93	0.00	0.00	0.00
9999.92	0.00	0.00	0.00
9999.91	0.00	0.00	0.00
9999.90	0.00	0.00	0.00
9999.89	0.00	0.00	0.00
9999.88	0.00	0.00	0.00
9999.87	0.00	0.00	0.00
9999.86	0.00	0.00	0.00
9999.85	0.00	0.00	0.00
9999.84	0.00	0.00	0.00
9999.83	0.00	0.00	0.00
9999.82	0.00	0.00	0.00
9999.81	0.00	0.00	0.00
9999.80	0.00	0.00	0.00
9999.79	0.00	0.00	0.00
9999.78	0.00	0.00	0.00
9999.77	0.00	0.00	0.00
9999.76	0.00	0.00	0.00
9999.75	0.00	0.00	0.00
9999.74	0.00	0.00	0.00
9999.73	0.00	0.00	0.00
9999.72	0.00	0.00	0.00
9999.71	0.00	0.00	0.00
9999.70	0.00	0.00	0.00
9999.69	0.00	0.00	0.00
9999.68	0.00	0.00	0.00
9999.67	0.00	0.00	0.00
9999.66	0.00	0.00	0.00
9999.65	0.00	0.00	0.00
9999.64	0.00	0.00	0.00
9999.63	0.00	0.00	0.00
9999.62	0.00	0.00	0.00
9999.61	0.00	0.00	0.00
9999.60	0.00	0.00	0.00
9999.59	0.00	0.00	0.00
9999.58	0.00	0.00	0.00
9999.57	0.00	0.00	0.00
9999.56	0.00	0.00	0.00
9999.55	0.00	0.00	0.00
9999.54	0.00	0.00	0.00
9999.53	0.00	0.00	0.00
9999.52	0.00	0.00	0.00
9999.51	0.00	0.00	0.00
9999.50	0.00	0.00	0.00
9999.49	0.00	0.00	0.00
9999.48	0.00	0.00	0.00
9999.47	0.00	0.00	0.00
9999.46	0.00	0.00	0.00
9999.45	0.00	0.00	0.00
9999.44	0.00	0.00	0.00
9999.43	0.00	0.00	0.00
9999.42	0.00	0.00	0.00
9999.41	0.00	0.00	0.00
9999.40	0.00	0.00	0.00
9999.39	0.00	0.00	0.00
9999.38	0.00	0.00	0.00
9999.37	0.00	0.00	0.00
9999.36	0.00	0.00	0.00
9999.35	0.00	0.00	0.00
9999.34	0.00	0.00	0.00
9999.33	0.00	0.00	0.00
9999.32	0.00	0.00	0.00
9999.31	0.00	0.00	0.00
9999.30	0.00	0.00	0.00
9999.29	0.00	0.00	0.00
9999.28	0.00	0.00	0.00
9999.27	0.00	0.00	0.00
9999.26	0.00	0.00	0.00
9999.25	0.00	0.00	0.00
9999.24	0.00	0.00	0.00
9999.23	0.00	0.00	0.00
9999.22	0.00	0.00	0.00
9999.21	0.00	0.00	0.00
9999.20	0.00	0.00	0.00
9999.19	0.00	0.00	0.00
9999.18	0.00	0.00	0.00
9999.17	0.00	0.00	0.00
9999.16	0.00	0.00	0.00
9999.15	0.00	0.00	0.00
9999.14	0.00	0.00	0.00
9999.13	0.00	0.00	0.00
9999.12	0.00	0.00	0.00
9999.11	0.00	0.00	0.00
9999.10	0.00	0.00	0.00
9999.09	0.00	0.00	0.00
9999.08	0.00	0.00	0.00
9999.07	0.00	0.00	0.00
9999.06	0.00	0.00	0.00
9999.05	0.00	0.00	0.00
9999.04	0.00	0.00	0.00
9999.03	0.00	0.00	0.00
9999.02	0.00	0.00	0.00
9999.01	0.00	0.00	0.00
9999.00	0.00	0.00	0.00



Vertical Section at 265.30° (200 meters)



Mewbourne Oil Company

Eddy County, New Mexico (Nad 83)

Sec 24, T19S, R28E

Parkchester 24/23 B2AD State Com #1H

Wellbore #1

Design: Wellbore #1

QES Survey Report

30 August, 2019





Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Parkchester 24/23 B2AD State Com #1H
Project:	Eddy County, New Mexico (Nad 83)	TVD Reference:	WELL @ 3405.0usft (Patterson #250)
Site:	Sec 24, T19S, R28E	MD Reference:	WELL @ 3405.0usft (Patterson #250)
Well:	Parkchester 24/23 B2AD State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Eddy County, New Mexico (Nad 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 24, T19S, R28E		
Site Position:		Northing:	601,422.20 usft
From:	Map	Easting:	606,189.60 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 39' 11.448 N
		Longitude:	104° 7' 21.424 W
		Grid Convergence:	0.11 °

Well	Parkchester 24/23 B2AD State Com #1H		
Well Position	+N/-S	0.0 usft	Northing: 601,422.20 usft
	+E/-W	0.0 usft	Easting: 606,189.60 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 39' 11.448 N
		Longitude:	104° 7' 21.424 W
		Ground Level:	3,378.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	7/22/2019	7.23	60.40	47,958.20000000

Design	Wellbore #1			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	268.39

Survey Program	Date 8/30/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	270.0	Phoenix Tech Surface Surveya (Wellbore #	GYRO-NS	OWSG Gyrocompass Gyro
381.0	17,826.0	QES MWD Surveys (Wellbore #1)	OWSG (Rev2) MWD	OWSG MWD - Standard

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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.16	147.65	100.0	-0.1	0.1	-0.1	0.16	0.16	0.00	
200.0	0.53	213.28	200.0	-0.6	-0.1	0.1	0.49	0.37	65.63	
MWD Tie In @ 270.0'MD / 270.0' TVD										
270.0	0.77	323.81	270.0	-0.5	-0.6	0.6	1.54	0.34	157.90	
381.0	1.00	195.70	381.0	-0.8	-1.3	1.3	1.44	0.21	-115.41	
562.0	0.60	212.60	562.0	-3.2	-2.2	2.3	0.25	-0.22	9.34	
746.0	0.80	178.70	746.0	-5.3	-2.7	2.8	0.24	0.11	-18.42	
934.0	0.60	211.60	933.9	-7.4	-3.2	3.4	0.23	-0.11	17.50	
1,129.0	0.90	207.50	1,128.9	-9.6	-4.4	4.7	0.16	0.15	-2.10	



Survey Report



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Site:	Sec 24, T19S, R28E	MD Reference:	WELL @ 3405.0usft (Patterson #250)
Well:	Parkchester 24/23 B2AD State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
1,319.0	0.40	114.00	1,318.9	-11.2	-4.5	4.8	0.53	-0.26	-49.21
1,508.0	0.30	155.70	1,507.9	-12.0	-3.7	4.0	0.14	-0.05	22.06
1,698.0	1.50	43.50	1,697.9	-10.6	-1.8	2.1	0.86	0.63	-59.05
1,886.0	1.70	43.90	1,885.8	-6.8	1.8	-1.7	0.11	0.11	0.21
2,073.0	1.70	24.00	2,072.7	-2.3	4.9	-4.8	0.31	0.00	-10.64
2,259.0	1.90	23.60	2,258.6	3.1	7.3	-7.3	0.11	0.11	-0.22
2,446.0	1.50	13.60	2,445.6	8.3	9.1	-9.3	0.27	-0.21	-5.35
2,632.0	1.90	27.70	2,631.5	13.4	11.1	-11.5	0.31	0.22	7.58
2,818.0	2.00	79.00	2,817.4	16.7	15.7	-16.2	0.91	0.05	27.58
3,005.0	2.30	75.50	3,004.3	18.3	22.5	-23.0	0.18	0.16	-1.87
3,191.0	1.70	131.40	3,190.2	17.4	28.2	-28.7	1.05	-0.32	30.05
3,378.0	2.80	95.40	3,377.0	15.1	34.8	-35.3	0.93	0.59	-19.25
3,564.0	3.00	77.40	3,562.8	15.8	44.1	-44.5	0.50	0.11	-9.68
3,751.0	2.10	103.40	3,749.6	16.1	52.2	-52.7	0.77	-0.48	13.90
3,936.0	2.60	113.50	3,934.5	13.6	59.4	-59.7	0.35	0.27	5.46
4,123.0	2.90	108.40	4,121.2	10.4	67.8	-68.0	0.21	0.16	-2.73
4,310.0	3.90	115.60	4,307.9	6.2	78.0	-78.1	0.58	0.53	3.85
4,497.0	3.10	114.30	4,494.6	1.3	88.3	-88.3	0.43	-0.43	-0.70
4,684.0	4.00	118.90	4,681.2	-3.9	98.6	-98.5	0.50	0.48	2.46
4,871.0	3.40	124.40	4,867.8	-10.2	108.9	-108.6	0.37	-0.32	2.94
5,058.0	3.80	92.20	5,054.5	-13.5	119.7	-119.3	1.09	0.21	-17.22
5,245.0	4.60	93.40	5,241.0	-14.2	133.4	-132.9	0.43	0.43	0.64
5,431.0	4.10	88.20	5,426.4	-14.5	147.5	-147.0	0.34	-0.27	-2.80
5,618.0	3.60	92.70	5,613.0	-14.5	160.0	-159.5	0.31	-0.27	2.41
5,804.0	2.20	92.90	5,798.8	-15.0	169.4	-168.9	0.75	-0.75	0.11
5,992.0	1.30	55.50	5,986.7	-14.0	174.8	-174.3	0.75	-0.48	-19.89
6,178.0	1.70	32.60	6,172.6	-10.4	178.0	-177.6	0.38	0.22	-12.31
6,365.0	1.20	137.90	6,359.6	-9.6	180.8	-180.5	1.24	-0.27	56.31
6,552.0	1.20	170.60	6,546.5	-12.9	182.4	-182.0	0.36	0.00	17.49
6,737.0	1.10	155.70	6,731.5	-16.5	183.5	-182.9	0.17	-0.05	-8.05
6,923.0	2.60	199.60	6,917.4	-22.1	182.8	-182.1	1.05	0.81	23.60
7,109.0	3.30	192.60	7,103.2	-31.3	180.2	-179.3	0.42	0.38	-3.76
7,219.0	2.70	185.20	7,213.0	-36.9	179.3	-178.2	0.65	-0.55	-6.73
7,255.0	2.80	183.30	7,249.0	-38.7	179.2	-178.0	0.38	0.28	-5.28
7,286.0	6.00	220.30	7,279.9	-40.7	178.1	-176.9	13.30	10.32	119.35
7,317.0	11.90	233.20	7,310.5	-43.8	174.5	-173.2	19.99	19.03	41.61
7,348.0	17.10	236.90	7,340.5	-48.2	168.1	-166.7	17.03	16.77	11.94
7,379.0	23.90	241.10	7,369.5	-53.7	158.8	-157.2	22.43	21.94	13.55
7,410.0	30.00	242.30	7,397.1	-60.4	146.4	-144.6	19.75	19.68	3.87
7,441.0	35.00	240.00	7,423.3	-68.4	131.8	-129.8	16.61	16.13	-7.42
7,472.0	40.10	240.20	7,447.8	-77.9	115.4	-113.2	16.46	16.45	0.65
7,503.0	43.90	240.20	7,470.9	-88.2	97.4	-94.9	12.26	12.26	0.00
7,534.0	44.40	242.70	7,493.1	-98.5	78.5	-75.7	5.84	1.61	8.06



Survey Report



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Site:	Sec 24, T19S, R28E	MD Reference:	WELL @ 3405.0usft (Patterson #250)
Well:	Parkchester 24/23 B2AD State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
330' FNL Crossed @ 7552.9' MD / 7506.7' TVD									
7,552.9	44.04	246.95	7,506.7	-104.1	66.6	-63.6	15.81	-1.88	22.50
7,565.0	43.90	249.70	7,515.4	-107.2	58.7	-55.7	15.81	-1.19	22.70
7,596.0	46.00	255.70	7,537.3	-113.7	37.9	-34.6	15.25	6.77	19.35
7,627.0	48.50	258.30	7,558.4	-118.8	15.7	-12.3	10.15	8.06	8.39
7,658.0	52.30	260.60	7,578.1	-123.1	-7.8	11.3	13.52	12.26	7.42
7,689.0	55.00	261.60	7,596.5	-127.0	-32.5	36.0	9.09	8.71	3.23
7,720.0	57.90	262.90	7,613.6	-130.5	-58.1	61.7	9.99	9.35	4.19
7,751.0	59.00	263.60	7,629.8	-133.6	-84.3	88.0	4.04	3.55	2.26
7,782.0	59.30	263.80	7,645.7	-136.5	-110.8	114.5	1.12	0.97	0.65
7,813.0	59.80	263.40	7,661.4	-139.5	-137.3	141.2	1.96	1.61	-1.29
7,844.0	64.40	262.70	7,675.9	-142.8	-164.5	168.4	14.97	14.84	-2.26
7,876.0	68.90	262.40	7,688.6	-146.6	-193.6	197.7	14.09	14.06	-0.94
7,913.0	73.20	262.50	7,700.6	-151.2	-228.3	232.5	11.62	11.62	0.27
7,992.0	79.50	262.40	7,719.3	-161.3	-304.4	308.8	7.98	7.97	-0.13
8,023.0	81.30	263.10	7,724.4	-165.1	-334.7	339.2	6.22	5.81	2.26
8,054.0	83.50	263.40	7,728.5	-168.8	-365.2	369.8	7.16	7.10	0.97
8,085.0	85.30	263.80	7,731.6	-172.2	-395.9	400.5	5.95	5.81	1.29
8,116.0	85.30	263.80	7,734.1	-175.5	-426.6	431.3	0.00	0.00	0.00
8,147.0	84.80	262.90	7,736.8	-179.1	-457.3	462.1	3.31	-1.61	-2.90
8,178.0	87.80	263.40	7,738.8	-182.8	-488.0	492.9	9.81	9.68	1.61
8,209.0	91.70	265.30	7,738.9	-185.9	-518.8	523.8	13.99	12.58	6.13
8,239.0	94.30	267.10	7,737.4	-187.8	-548.7	553.8	10.54	8.67	6.00
8,270.0	95.10	268.20	7,734.8	-189.1	-579.6	584.6	4.38	2.58	3.55
8,301.0	95.30	268.00	7,732.0	-190.1	-610.4	615.5	0.91	0.65	-0.65
8,393.0	93.70	268.70	7,724.8	-192.8	-702.1	707.2	1.90	-1.74	0.76
8,486.0	92.60	270.40	7,719.7	-193.5	-794.9	800.1	2.17	-1.18	1.83
8,579.0	92.90	270.40	7,715.2	-192.8	-887.8	892.9	0.32	0.32	0.00
8,671.0	92.20	271.00	7,711.1	-191.7	-979.7	984.7	1.00	-0.76	0.65
8,764.0	93.70	271.10	7,706.3	-190.0	-1,072.6	1,077.5	1.62	1.61	0.11
8,856.0	91.50	270.80	7,702.2	-188.5	-1,164.5	1,169.3	2.41	-2.39	-0.33
8,949.0	92.70	270.60	7,698.7	-187.4	-1,257.4	1,262.2	1.31	1.29	-0.22
9,042.0	90.80	269.20	7,695.9	-187.5	-1,350.4	1,355.1	2.54	-2.04	-1.51
9,135.0	91.80	269.90	7,693.8	-188.3	-1,443.3	1,448.1	1.31	1.08	0.75
9,228.0	92.90	270.10	7,690.0	-188.3	-1,536.3	1,540.9	1.20	1.18	0.22
9,320.0	89.80	270.10	7,687.8	-188.1	-1,628.2	1,632.9	3.37	-3.37	0.00
9,413.0	89.10	269.60	7,688.7	-188.3	-1,721.2	1,725.8	0.92	-0.75	-0.54
9,506.0	91.40	270.30	7,688.3	-188.4	-1,814.2	1,818.8	2.59	2.47	0.75
9,599.0	92.90	268.70	7,684.8	-189.2	-1,907.1	1,911.7	2.36	1.61	-1.72
9,692.0	93.70	268.00	7,679.5	-191.9	-1,999.9	2,004.5	1.14	0.86	-0.75
9,785.0	93.80	267.30	7,673.4	-195.7	-2,092.7	2,097.3	0.76	0.11	-0.75
9,878.0	94.40	266.20	7,666.7	-201.0	-2,185.3	2,190.1	1.34	0.65	-1.18
9,970.0	92.90	267.80	7,660.9	-205.8	-2,276.9	2,281.8	2.38	-1.63	1.74
10,063.0	90.80	269.40	7,657.9	-208.0	-2,369.9	2,374.8	2.84	-2.26	1.72



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Parkchester 24/23 B2AD State Com #1H
Project:	Eddy County, New Mexico (Nad 83)	TVD Reference:	WELL @ 3405.0usft (Patterson #250)
Site:	Sec 24, T19S, R28E	MD Reference:	WELL @ 3405.0usft (Patterson #250)
Well:	Parkchester 24/23 B2AD State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
10,157.0	90.00	269.40	7,657.2	-209.0	-2,463.9	2,468.8	0.85	-0.85	0.00
10,250.0	92.50	270.80	7,655.2	-208.9	-2,556.8	2,561.7	3.08	2.69	1.51
10,343.0	92.30	270.30	7,651.3	-208.0	-2,649.7	2,654.5	0.58	-0.22	-0.54
10,437.0	91.60	268.90	7,648.1	-208.6	-2,743.7	2,748.5	1.66	-0.74	-1.49
10,530.0	93.10	270.80	7,644.3	-208.9	-2,836.6	2,841.3	2.60	1.61	2.04
10,623.0	94.30	271.30	7,638.3	-207.2	-2,929.4	2,934.0	1.40	1.29	0.54
10,715.0	94.60	270.60	7,631.1	-205.7	-3,021.1	3,025.7	0.83	0.33	-0.76
10,809.0	93.00	271.10	7,624.9	-204.3	-3,114.9	3,119.4	1.78	-1.70	0.53
10,902.0	93.60	271.10	7,619.6	-202.5	-3,207.7	3,212.1	0.65	0.65	0.00
10,994.0	91.30	271.90	7,615.6	-200.1	-3,299.6	3,303.9	2.65	-2.50	0.87
11,088.0	90.70	273.80	7,614.0	-195.4	-3,393.4	3,397.6	2.12	-0.64	2.02
11,180.0	91.80	270.60	7,612.0	-191.9	-3,485.3	3,489.4	3.68	1.20	-3.48
11,273.0	91.90	267.60	7,609.0	-193.3	-3,578.3	3,582.3	3.23	0.11	-3.23
11,365.0	91.80	266.60	7,606.0	-198.0	-3,670.1	3,674.2	1.09	-0.11	-1.09
11,458.0	92.30	265.50	7,602.7	-204.4	-3,762.8	3,767.1	1.30	0.54	-1.18
11,551.0	93.90	268.70	7,597.6	-209.1	-3,855.5	3,859.9	3.84	1.72	3.44
11,644.0	94.10	268.70	7,591.2	-211.2	-3,948.3	3,952.7	0.22	0.22	0.00
11,737.0	92.20	268.70	7,586.0	-213.3	-4,041.1	4,045.5	2.04	-2.04	0.00
11,830.0	92.40	268.70	7,582.3	-215.4	-4,134.0	4,138.5	0.22	0.22	0.00
11,923.0	92.90	268.00	7,578.0	-218.1	-4,226.9	4,231.3	0.92	0.54	-0.75
12,016.0	90.80	267.60	7,575.0	-221.6	-4,319.8	4,324.3	2.30	-2.26	-0.43
12,108.0	90.80	266.90	7,573.7	-226.1	-4,411.7	4,416.3	0.76	0.00	-0.76
12,201.0	90.60	266.20	7,572.6	-231.7	-4,504.5	4,509.2	0.78	-0.22	-0.75
12,294.0	92.00	267.50	7,570.5	-236.8	-4,597.3	4,602.1	2.05	1.51	1.40
12,387.0	92.30	268.20	7,567.0	-240.2	-4,690.2	4,695.1	0.82	0.32	0.75
12,480.0	90.90	266.60	7,564.4	-244.5	-4,783.0	4,788.0	2.29	-1.51	-1.72
12,572.0	92.20	268.50	7,561.9	-248.4	-4,874.9	4,880.0	2.50	1.41	2.07
12,665.0	92.10	268.50	7,558.4	-250.8	-4,967.8	4,972.9	0.11	-0.11	0.00
12,758.0	91.20	268.70	7,555.7	-253.1	-5,060.8	5,065.9	0.99	-0.97	0.22
12,851.0	92.80	272.20	7,552.5	-252.4	-5,153.7	5,158.7	4.14	1.72	3.76
12,943.0	92.10	272.20	7,548.6	-248.8	-5,245.5	5,250.4	0.76	-0.76	0.00
13,036.0	93.70	272.70	7,543.9	-244.9	-5,338.3	5,343.1	1.80	1.72	0.54
13,129.0	93.50	272.90	7,538.0	-240.3	-5,431.0	5,435.6	0.30	-0.22	0.22
13,222.0	92.50	269.90	7,533.2	-238.1	-5,523.9	5,528.4	3.40	-1.08	-3.23
13,315.0	91.90	268.70	7,529.6	-239.2	-5,616.8	5,621.3	1.44	-0.65	-1.29
13,408.0	92.90	267.60	7,525.7	-242.2	-5,709.6	5,714.2	1.60	1.08	-1.18
13,501.0	93.10	267.60	7,520.8	-246.1	-5,802.4	5,807.1	0.22	0.22	0.00
13,593.0	93.10	270.60	7,515.8	-247.5	-5,894.3	5,898.9	3.26	0.00	3.26
13,686.0	92.70	271.90	7,511.1	-245.5	-5,987.1	5,991.7	1.46	-0.43	1.40
13,779.0	93.20	272.50	7,506.4	-241.9	-6,079.9	6,084.3	0.84	0.54	0.65
13,873.0	94.40	274.50	7,500.1	-236.2	-6,173.6	6,177.8	2.48	1.28	2.13
13,965.0	92.70	273.40	7,494.4	-229.9	-6,265.2	6,269.1	2.20	-1.85	-1.20
14,058.0	89.80	271.70	7,492.4	-225.8	-6,358.0	6,361.9	3.61	-3.12	-1.83



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Parkchester 24/23 B2AD State Com #1H
Project:	Eddy County, New Mexico (Nad 83)	TVD Reference:	WELL @ 3405.0usft (Patterson #250)
Site:	Sec 24, T19S, R28E	MD Reference:	WELL @ 3405.0usft (Patterson #250)
Well:	Parkchester 24/23 B2AD State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)	
14,151.0	92.70	271.30	7,490.4	-223.3	-6,451.0	6,454.7	3.15	3.12	-0.43	
14,243.0	92.60	269.60	7,486.1	-222.6	-6,542.9	6,546.5	1.85	-0.11	-1.85	
14,336.0	92.90	268.70	7,481.7	-224.0	-6,635.7	6,639.4	1.02	0.32	-0.97	
14,430.0	94.80	267.60	7,475.3	-227.0	-6,729.5	6,733.2	2.33	2.02	-1.17	
14,523.0	92.00	269.20	7,469.8	-229.6	-6,822.3	6,826.0	3.47	-3.01	1.72	
14,616.0	91.80	269.00	7,466.7	-231.1	-6,915.2	6,919.0	0.30	-0.22	-0.22	
14,710.0	91.40	268.70	7,464.1	-232.9	-7,009.1	7,012.9	0.53	-0.43	-0.32	
14,803.0	90.80	268.30	7,462.3	-235.4	-7,102.1	7,105.9	0.78	-0.65	-0.43	
14,896.0	90.90	268.20	7,461.0	-238.2	-7,195.0	7,198.9	0.15	0.11	-0.11	
14,989.0	91.10	268.00	7,459.3	-241.3	-7,288.0	7,291.9	0.30	0.22	-0.22	
15,081.0	90.80	267.10	7,457.8	-245.2	-7,379.9	7,383.9	1.03	-0.33	-0.98	
15,175.0	92.00	266.60	7,455.5	-250.4	-7,473.7	7,477.8	1.38	1.28	-0.53	
15,269.0	93.60	265.50	7,450.9	-256.9	-7,567.4	7,571.6	2.06	1.70	-1.17	
15,361.0	94.40	268.30	7,444.5	-261.8	-7,659.0	7,663.3	3.16	0.87	3.04	
15,455.0	93.70	268.50	7,437.9	-264.4	-7,752.7	7,757.1	0.77	-0.74	0.21	
15,547.0	93.60	268.30	7,432.0	-267.0	-7,844.5	7,848.9	0.24	-0.11	-0.22	
15,640.0	92.80	267.80	7,426.8	-270.2	-7,937.3	7,941.8	1.01	-0.86	-0.54	
15,733.0	92.30	270.60	7,422.7	-271.5	-8,030.2	8,034.6	3.06	-0.54	3.01	
15,826.0	91.70	270.10	7,419.4	-270.9	-8,123.1	8,127.5	0.84	-0.65	-0.54	
15,919.0	92.30	269.90	7,416.2	-270.9	-8,216.1	8,220.4	0.68	0.65	-0.22	
16,012.0	91.50	269.40	7,413.1	-271.5	-8,309.0	8,313.4	1.01	-0.86	-0.54	
16,105.0	92.10	269.00	7,410.2	-272.8	-8,402.0	8,406.3	0.78	0.65	-0.43	
16,198.0	91.90	268.30	7,406.9	-275.0	-8,494.9	8,499.3	0.78	-0.22	-0.75	
16,291.0	91.40	267.30	7,404.2	-278.5	-8,587.8	8,592.2	1.20	-0.54	-1.08	
16,384.0	91.40	267.50	7,402.0	-282.7	-8,680.6	8,685.2	0.21	0.00	0.22	
16,477.0	92.50	267.60	7,398.8	-286.7	-8,773.5	8,778.1	1.19	1.18	0.11	
16,570.0	92.80	270.10	7,394.5	-288.6	-8,866.4	8,871.0	2.70	0.32	2.69	
16,663.0	93.00	269.60	7,389.8	-288.8	-8,959.3	8,963.8	0.58	0.22	-0.54	
16,756.0	91.70	268.00	7,386.0	-290.8	-9,052.2	9,056.8	2.22	-1.40	-1.72	
16,849.0	90.70	268.50	7,384.0	-293.6	-9,145.1	9,149.7	1.20	-1.08	0.54	
16,942.0	91.70	269.20	7,382.1	-295.5	-9,238.1	9,242.7	1.31	1.08	0.75	
17,034.0	93.50	270.10	7,377.9	-296.0	-9,330.0	9,334.6	2.19	1.96	0.98	
17,127.0	93.90	269.40	7,371.9	-296.4	-9,422.8	9,427.4	0.87	0.43	-0.75	
17,221.0	93.70	269.90	7,365.7	-297.0	-9,516.5	9,521.1	0.57	-0.21	0.53	
17,315.0	93.20	269.00	7,360.0	-297.9	-9,610.4	9,614.9	1.09	-0.53	-0.96	
17,408.0	94.30	268.00	7,354.0	-300.3	-9,703.1	9,707.7	1.60	1.18	-1.08	
17,501.0	93.00	268.70	7,348.0	-303.0	-9,795.9	9,800.6	1.59	-1.40	0.75	
17,594.0	93.30	269.00	7,342.9	-304.9	-9,888.8	9,893.4	0.46	0.32	0.32	
17,687.0	92.00	269.90	7,338.6	-305.8	-9,981.6	9,986.3	1.70	-1.40	0.97	
17,751.0	91.60	269.70	7,336.6	-306.0	-10,045.6	10,050.2	0.70	-0.63	-0.31	
100' FWL Crossed @ 17813.1' MD / 7334.9' TVD										
17,813.1	91.60	269.70	7,334.9	-306.3	-10,107.7	10,112.3	0.00	0.00	0.00	
TD @ 17826.0' MD / 7334.5' TVD										
17,826.0	91.60	269.70	7,334.5	-306.4	-10,120.6	10,125.2	0.00	0.00	0.00	



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Parkchester 24/23 B2AD State Com #1H
Project:	Eddy County, New Mexico (Nad 83)	TVD Reference:	WELL @ 3405.0usft (Patterson #250)
Site:	Sec 24, T19S, R28E	MD Reference:	WELL @ 3405.0usft (Patterson #250)
Well:	Parkchester 24/23 B2AD State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
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Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
270.0	270.0	-0.5	-0.6	MWD Tie In @ 270.0'MD / 270.0' TVD
7,552.9	7,506.7	-104.1	66.6	330' FNL Crossed @ 7552.9' MD / 7506.7' TVD
17,813.1	7,334.9	-306.3	-10,107.7	100' FWL Crossed @ 17813.1' MD / 7334.9' TVD
17,826.0	7,334.5	-306.4	-10,120.6	TD @ 17826.0' MD / 7334.5' TVD

Checked By: _____ Approved By: _____ Date: _____