

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD - HOBBS
10/02/2020
RECEIVEDFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMLC061497

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 28. Well Name and No.
FULLER 13/12 W1GB FED COM 2H9. API Well No.
~~30-015-45100~~ **30-015-47516**10. Field and Pool or Exploratory Area
9822011. County or Parish, State
EDDY COUNTY, NM1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
MEWBOURNE OIL COMPANY
Contact: JACKIE LATHAN
E-Mail: jlathan@mewbourne.com3a. Address
PO BOX 5270
HOBBS, NM 882413b. Phone No. (include area code)
Ph: 575-393-59054. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 13 T26S R29E Mer NMP NWSE 2610FSL 2515FEL**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Mewbourne Oil Company requests approval to:

- 1) Walk the rig to new SHL of 2610' FSL & 2485' FWL, Sec 13, T26S, R29E.
- 2) Name replacement wellbore Fuller 13/12 W1GB Fed Com #2Y.
- 3) Drill replacement wellbore as proposed in the attached directional plan.

No expanded surface disturbance will be required.

Please contact Andy Taylor with any questions.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #532641 verified by the BLM Well Information System
For MEWBOURNE OIL COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by OLABODE AJIBOLA on 10/02/2020 ()**

Name (Printed/Typed) ANDY TAYLOR

Title ENGINEER

Signature (Electronic Submission)

Date 10/01/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

KZ

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

OCD - HOBBS
10/02/2020
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMLC 0061497
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator MEWBORNE OIL COMPANY		7. If Unit or CA Agreement, Name and No.
3a. Address PO Box 5270 Hobbs NM 88240		8. Lease Name and Well No. FULLER 13/12 W1GB FED COM #2Y
3b. Phone No. (include area code) (575)393-5905		9. API Well No. 30-015-47516
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWSE / 2610 FSL / 2485 FEL / LAT 32.0419998 / LONG -103.9372356 At proposed prod. zone NWNE / 330 FNL / 2186 FEL / LAT 32.0633594 / LONG -103.936289		10. Field and Pool, or Exploratory WELCH/PURPLE SAGE WOLFCAMP
14. Distance in miles and direction from nearest town or post office* 25 miles		11. Sec., T. R. M. or Blk. and Survey or Area SEC 13 / T26S / R29E / NMP
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 330 feet	16. No. of acres in lease 640	12. County or Parish EDDY
17. Spacing Unit dedicated to this well 480	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 30 feet	13. State NM
19. Proposed Depth 10425 feet / 18078 feet	20. BLM/BIA Bond No. on file FED: NM1693	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3002 feet	22. Approximate date work will start* 10/01/2020	23. Estimated duration 60 days

24. Attachments

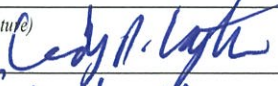
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature	Name (Printed Typed) Andy Taylor / Ph: (575)393-5905	Date 10/01/2020
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Title

Regulatory

Approved by (Signature) 	Name (Printed Typed) Andy Taylor	Date 10/02/2020
Title HFMA-L&M	Office CFO	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

KZ
10/02/2020

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

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

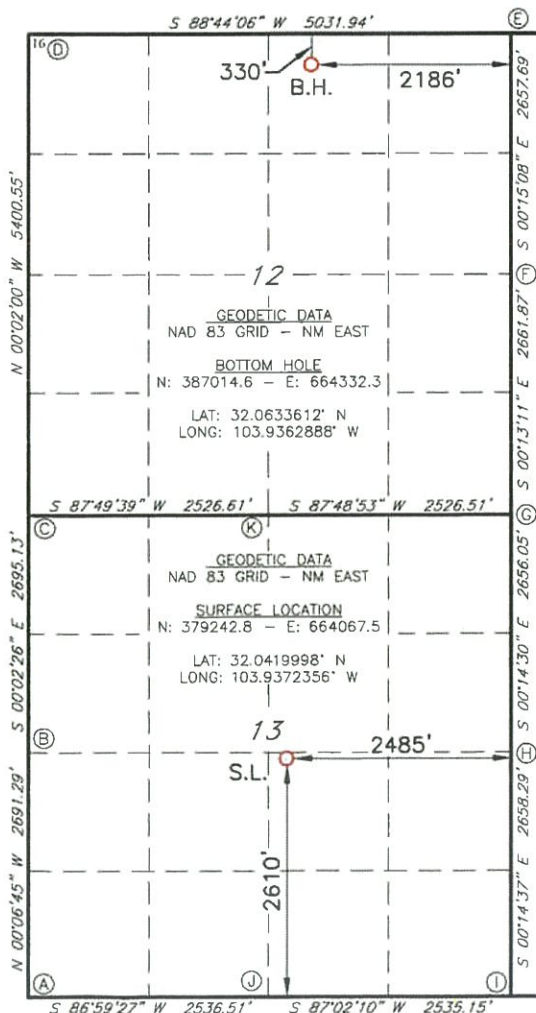
OCD - HOBBS
10/02/2020
RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-47516		² Pool Code 98220		³ Pool Name Purple Sage Wolfcamp	
⁴ Property Code 322727		⁵ Property Name FULLER 13/12 W1GB FED COM			⁶ Well Number 2Y
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3003'
¹⁰ Surface Location					
UL or lot no. J	Section 13	Township 26S	Range 29E	Lot Idn	Feet from the 2610
				North/South line SOUTH	Feet from the 2485
				East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. B	Section 12	Township 26S	Range 29E	Lot Idn	Feet from the 330
				North/South line NORTH	Feet from the 2186
				East/West line EAST	County EDDY
¹² Dedicated Acres 480	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.



CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1940"
N: 376497.1 - E: 661496.5

B: FOUND BRASS CAP "1940"
N: 379187.8 - E: 661491.3

C: FOUND BRASS CAP "1940"
N: 381882.4 - E: 661489.4

D: FOUND BRASS CAP "1940"
N: 387281.8 - E: 661486.2

E: FOUND 1/2" REBAR
N: 387392.8 - E: 666515.9

F: FOUND BRASS CAP "1940"
N: 384735.7 - E: 666527.5

G: FOUND BRASS CAP "1940"
N: 382074.4 - E: 666537.7

H: FOUND BRASS CAP "1940"
N: 379419.0 - E: 666548.9

I: FOUND BRASS CAP "1940"
N: 376761.3 - E: 666560.2

J: FOUND BRASS CAP "1940"
N: 376630.2 - E: 664029.0

K: FOUND BRASS CAP "1940"
N: 381978.1 - E: 664013.6

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: *Andy Taylor* Date: 10/1/2020

Printed Name

ataylor@mewbourne.com
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.

10-11-2018

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

REV: 10-01-20 NAME/BH

RRC-Job No: LS18101145R



MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Fuller Pad

Fuller 13/12 W1GB Fed Com 2Y

OH

Plan: Plan #1

Standard Planning Report

01 October, 2020



Well: Fuller 13/12 W1GB Fed Com 2Y
Wellbore: OH
Design: Plan #1
Lat: 32.042000
Long: -103.937236
GL: 3002.00
KB: KB=28' @ 3030.00usft (Patterson 562)

Fuller 13/12 W1GB Fed Com 2Y

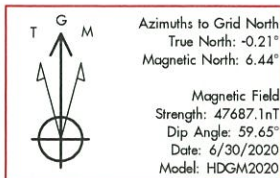
g	Latitude	Longitude
0	32.042000	-103.937236

OBJECT DETAILS (LAT/LONG)

+E/-W	Northing	Easting	Shape
296.63	379125.87	664364.13	Point
264.03	387014.51	664331.53	Point

SECTION DETAILS

+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	Build 1.5"/100'
13.44	1.50	105.74	-3.33	4719' Hold
401.56	0.00	0.00	-99.44	Drop 1.5"/100'
415.00	1.50	180.00	-102.77	Build 10"/100'
340.54	10.00	352.50	459.95	Turn 1"/100'
291.57	1.00	90.02	1181.80	6599' Hold
264.03	0.00	0.00	7776.19	TD at 18095.93



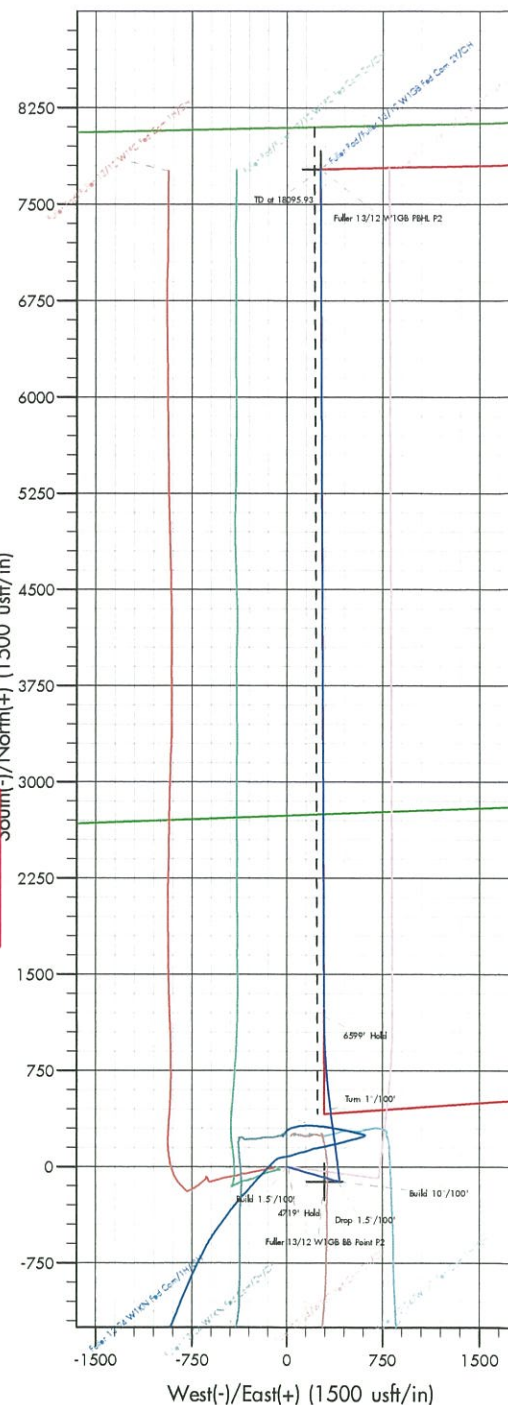
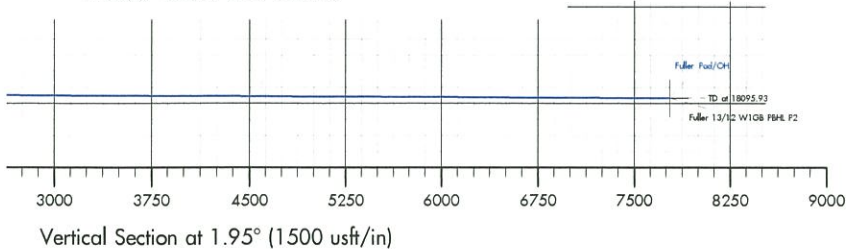
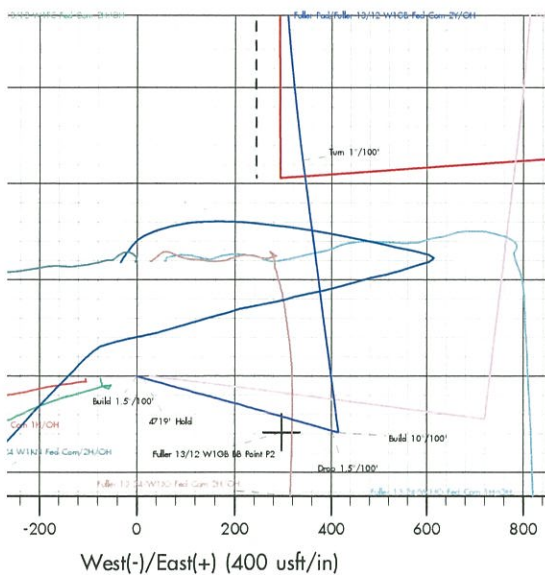
Fuller 13/12 W1GB Fed Com 2Y
SHL: 2610' FSL & 2485' FEL

Fuller 13/12 W1GB Fed Com 2Y
BHL: 330' FNL & 2186' FEL

330' FNL Hard Line
2335' FNL Hard Line
2186' FEL Hard Line
330 FEL Hard Line

Plan: Plan #1 (Fuller 13/12 W1GB Fed Com 2Y/OH)

Created By: Dusty Mayer Date: 10:37 October 01 2020



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site:	Fuller Pad	North Reference:	Grid
Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Eddy Co., NM (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	Fuller Pad			
Site Position:		Northing:	379,237.00 usft	Latitude: 32.041985
From:	Map	Easting:	663,963.00 usft	Longitude: -103.937573
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	

Well	Fuller 13/12 W1GB Fed Com 2Y			
Well Position	+N/-S	0.00 usft	Northing:	379,242.80 usft
	+E/-W	0.00 usft	Easting:	664,067.50 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level: 3,002.00 usft
Grid Convergence:	0.21 °			

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	6/30/2020	6.65	59.65	47,687.10000000

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	1.95

Plan Survey Tool Program	Date	10/1/2020		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	18,095.70 Plan #1 (OH)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,826.74	4.90	105.74	4,826.34	-3.79	13.44	1.50	1.50	0.00	105.74	
9,546.36	4.90	105.74	9,528.71	-113.14	401.56	0.00	0.00	0.00	0.00	
9,873.10	0.00	0.01	9,855.05	-116.93	415.00	1.50	-1.50	0.00	180.00	
10,770.60	89.75	352.50	10,428.00	448.65	340.54	10.00	10.00	0.00	352.50	
11,496.68	89.75	359.76	10,431.18	1,172.58	291.57	1.00	0.00	1.00	90.02	
18,095.93	89.75	359.76	10,460.00	7,771.71	264.03	0.00	0.00	0.00	0.00	Fuller 13/12 W1GB PI

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site:	Fuller Pad	North Reference:	Grid
Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 1.5°/100'									
4,600.00	1.50	105.74	4,599.99	-0.35	1.26	-0.31	1.50	1.50	0.00
4,700.00	3.00	105.74	4,699.91	-1.42	5.04	-1.25	1.50	1.50	0.00
4,800.00	4.50	105.74	4,799.69	-3.19	11.33	-2.81	1.50	1.50	0.00
4,826.74	4.90	105.74	4,826.34	-3.79	13.44	-3.33	1.50	1.50	0.00
4719' Hold									
4,900.00	4.90	105.74	4,899.33	-5.49	19.47	-4.82	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site:	Fuller Pad	North Reference:	Grid
Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned 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)
5,000.00	4.90	105.74	4,998.97	-7.80	27.69	-6.86	0.00	0.00	0.00
5,100.00	4.90	105.74	5,098.60	-10.12	35.91	-8.89	0.00	0.00	0.00
5,200.00	4.90	105.74	5,198.24	-12.44	44.14	-10.93	0.00	0.00	0.00
5,300.00	4.90	105.74	5,297.87	-14.75	52.36	-12.97	0.00	0.00	0.00
5,400.00	4.90	105.74	5,397.51	-17.07	60.58	-15.00	0.00	0.00	0.00
5,500.00	4.90	105.74	5,497.14	-19.39	68.81	-17.04	0.00	0.00	0.00
5,600.00	4.90	105.74	5,596.77	-21.70	77.03	-19.08	0.00	0.00	0.00
5,700.00	4.90	105.74	5,696.41	-24.02	85.25	-21.11	0.00	0.00	0.00
5,800.00	4.90	105.74	5,796.04	-26.34	93.48	-23.15	0.00	0.00	0.00
5,900.00	4.90	105.74	5,895.68	-28.66	101.70	-25.19	0.00	0.00	0.00
6,000.00	4.90	105.74	5,995.31	-30.97	109.92	-27.22	0.00	0.00	0.00
6,100.00	4.90	105.74	6,094.95	-33.29	118.15	-29.26	0.00	0.00	0.00
6,200.00	4.90	105.74	6,194.58	-35.61	126.37	-31.30	0.00	0.00	0.00
6,300.00	4.90	105.74	6,294.22	-37.92	134.60	-33.33	0.00	0.00	0.00
6,400.00	4.90	105.74	6,393.85	-40.24	142.82	-35.37	0.00	0.00	0.00
6,500.00	4.90	105.74	6,493.48	-42.56	151.04	-37.40	0.00	0.00	0.00
6,600.00	4.90	105.74	6,593.12	-44.87	159.27	-39.44	0.00	0.00	0.00
6,700.00	4.90	105.74	6,692.75	-47.19	167.49	-41.48	0.00	0.00	0.00
6,800.00	4.90	105.74	6,792.39	-49.51	175.71	-43.51	0.00	0.00	0.00
6,900.00	4.90	105.74	6,892.02	-51.83	183.94	-45.55	0.00	0.00	0.00
7,000.00	4.90	105.74	6,991.66	-54.14	192.16	-47.59	0.00	0.00	0.00
7,100.00	4.90	105.74	7,091.29	-56.46	200.38	-49.62	0.00	0.00	0.00
7,200.00	4.90	105.74	7,190.92	-58.78	208.61	-51.66	0.00	0.00	0.00
7,300.00	4.90	105.74	7,290.56	-61.09	216.83	-53.70	0.00	0.00	0.00
7,400.00	4.90	105.74	7,390.19	-63.41	225.05	-55.73	0.00	0.00	0.00
7,500.00	4.90	105.74	7,489.83	-65.73	233.28	-57.77	0.00	0.00	0.00
7,600.00	4.90	105.74	7,589.46	-68.04	241.50	-59.81	0.00	0.00	0.00
7,700.00	4.90	105.74	7,689.10	-70.36	249.72	-61.84	0.00	0.00	0.00
7,800.00	4.90	105.74	7,788.73	-72.68	257.95	-63.88	0.00	0.00	0.00
7,900.00	4.90	105.74	7,888.36	-75.00	266.17	-65.92	0.00	0.00	0.00
8,000.00	4.90	105.74	7,988.00	-77.31	274.39	-67.95	0.00	0.00	0.00
8,100.00	4.90	105.74	8,087.63	-79.63	282.62	-69.99	0.00	0.00	0.00
8,200.00	4.90	105.74	8,187.27	-81.95	290.84	-72.02	0.00	0.00	0.00
8,300.00	4.90	105.74	8,286.90	-84.26	299.06	-74.06	0.00	0.00	0.00
8,400.00	4.90	105.74	8,386.54	-86.58	307.29	-76.10	0.00	0.00	0.00
8,500.00	4.90	105.74	8,486.17	-88.90	315.51	-78.13	0.00	0.00	0.00
8,600.00	4.90	105.74	8,585.81	-91.21	323.73	-80.17	0.00	0.00	0.00
8,700.00	4.90	105.74	8,685.44	-93.53	331.96	-82.21	0.00	0.00	0.00
8,800.00	4.90	105.74	8,785.07	-95.85	340.18	-84.24	0.00	0.00	0.00
8,900.00	4.90	105.74	8,884.71	-98.17	348.40	-86.28	0.00	0.00	0.00
9,000.00	4.90	105.74	8,984.34	-100.48	356.63	-88.32	0.00	0.00	0.00
9,100.00	4.90	105.74	9,083.98	-102.80	364.85	-90.35	0.00	0.00	0.00
9,200.00	4.90	105.74	9,183.61	-105.12	373.07	-92.39	0.00	0.00	0.00
9,300.00	4.90	105.74	9,283.25	-107.43	381.30	-94.43	0.00	0.00	0.00
9,400.00	4.90	105.74	9,382.88	-109.75	389.52	-96.46	0.00	0.00	0.00
9,500.00	4.90	105.74	9,482.51	-112.07	397.74	-98.50	0.00	0.00	0.00
9,546.36	4.90	105.74	9,528.71	-113.14	401.56	-99.44	0.00	0.00	0.00
Drop 1.5°/100'									
9,600.00	4.10	105.74	9,582.18	-114.28	405.61	-100.45	1.50	-1.50	0.00
9,700.00	2.60	105.74	9,682.01	-115.87	411.23	-101.84	1.50	-1.50	0.00
9,800.00	1.10	105.74	9,781.95	-116.74	414.33	-102.61	1.50	-1.50	0.00
9,873.10	0.00	0.01	9,855.05	-116.93	415.00	-102.77	1.50	-1.50	0.00
Build 10°/100'									
9,900.00	2.69	352.50	9,881.94	-116.30	414.92	-102.15	10.00	10.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site:	Fuller Pad	North Reference:	Grid
Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned 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)
9,950.00	7.69	352.50	9,931.72	-111.82	414.33	-97.69	10.00	10.00	0.00
10,000.00	12.69	352.50	9,980.91	-103.05	413.17	-88.97	10.00	10.00	0.00
10,050.00	17.69	352.50	10,029.15	-90.07	411.46	-76.05	10.00	10.00	0.00
10,100.00	22.69	352.50	10,076.06	-72.97	409.21	-59.03	10.00	10.00	0.00
10,150.00	27.69	352.50	10,121.29	-51.87	406.44	-38.04	10.00	10.00	0.00
10,200.00	32.69	352.50	10,164.50	-26.95	403.15	-13.25	10.00	10.00	0.00
10,250.00	37.69	352.50	10,205.35	1.60	399.39	15.16	10.00	10.00	0.00
10,300.00	42.69	352.50	10,243.53	33.58	395.18	46.98	10.00	10.00	0.00
10,350.00	47.69	352.50	10,278.76	68.74	390.56	81.96	10.00	10.00	0.00
10,400.00	52.69	352.50	10,310.76	106.81	385.54	119.84	10.00	10.00	0.00
10,450.00	57.69	352.50	10,339.29	147.50	380.19	160.32	10.00	10.00	0.00
10,500.00	62.69	352.50	10,364.14	190.50	374.53	203.10	10.00	10.00	0.00
10,550.00	67.69	352.50	10,385.12	235.48	368.60	247.86	10.00	10.00	0.00
10,600.00	72.69	352.50	10,402.06	282.10	362.47	294.25	10.00	10.00	0.00
10,650.00	77.69	352.50	10,414.83	330.01	356.16	341.92	10.00	10.00	0.00
10,700.00	82.69	352.50	10,423.35	378.84	349.73	390.50	10.00	10.00	0.00
10,750.00	87.69	352.50	10,427.54	428.23	343.23	439.63	10.00	10.00	0.00
10,770.60	89.75	352.50	10,428.00	448.65	340.54	459.95	10.00	10.00	0.00
Turn 1°/100'									
10,800.00	89.75	352.79	10,428.13	477.80	336.78	488.96	1.00	0.00	1.00
10,900.00	89.75	353.79	10,428.57	577.12	325.10	587.82	1.00	0.00	1.00
11,000.00	89.75	354.79	10,429.00	676.62	315.16	686.93	1.00	0.00	1.00
11,100.00	89.75	355.79	10,429.44	776.28	306.95	786.25	1.00	0.00	1.00
11,200.00	89.75	356.79	10,429.88	876.07	300.49	885.77	1.00	0.00	1.00
11,300.00	89.75	357.79	10,430.32	975.95	295.77	985.43	1.00	0.00	1.00
11,400.00	89.75	358.79	10,430.75	1,075.91	292.79	1,085.23	1.00	0.00	1.00
11,496.68	89.75	359.76	10,431.18	1,172.58	291.57	1,181.80	1.00	0.00	1.00
6599' Hold									
11,500.00	89.75	359.76	10,431.19	1,175.90	291.56	1,185.12	0.00	0.00	0.00
11,600.00	89.75	359.76	10,431.63	1,275.90	291.14	1,285.05	0.00	0.00	0.00
11,700.00	89.75	359.76	10,432.06	1,375.89	290.73	1,384.97	0.00	0.00	0.00
11,800.00	89.75	359.76	10,432.50	1,475.89	290.31	1,484.90	0.00	0.00	0.00
11,900.00	89.75	359.76	10,432.94	1,575.89	289.89	1,584.82	0.00	0.00	0.00
12,000.00	89.75	359.76	10,433.37	1,675.89	289.47	1,684.75	0.00	0.00	0.00
12,100.00	89.75	359.76	10,433.81	1,775.89	289.06	1,784.68	0.00	0.00	0.00
12,200.00	89.75	359.76	10,434.25	1,875.88	288.64	1,884.60	0.00	0.00	0.00
12,300.00	89.75	359.76	10,434.69	1,975.88	288.22	1,984.53	0.00	0.00	0.00
12,400.00	89.75	359.76	10,435.12	2,075.88	287.80	2,084.46	0.00	0.00	0.00
12,500.00	89.75	359.76	10,435.56	2,175.88	287.39	2,184.38	0.00	0.00	0.00
12,600.00	89.75	359.76	10,436.00	2,275.88	286.97	2,284.31	0.00	0.00	0.00
12,700.00	89.75	359.76	10,436.43	2,375.88	286.55	2,384.24	0.00	0.00	0.00
12,800.00	89.75	359.76	10,436.87	2,475.87	286.13	2,484.16	0.00	0.00	0.00
12,900.00	89.75	359.76	10,437.31	2,575.87	285.72	2,584.09	0.00	0.00	0.00
13,000.00	89.75	359.76	10,437.74	2,675.87	285.30	2,684.01	0.00	0.00	0.00
13,100.00	89.75	359.76	10,438.18	2,775.87	284.88	2,783.94	0.00	0.00	0.00
13,200.00	89.75	359.76	10,438.62	2,875.87	284.46	2,883.87	0.00	0.00	0.00
13,300.00	89.75	359.76	10,439.05	2,975.86	284.05	2,983.79	0.00	0.00	0.00
13,400.00	89.75	359.76	10,439.49	3,075.86	283.63	3,083.72	0.00	0.00	0.00
13,500.00	89.75	359.76	10,439.93	3,175.86	283.21	3,183.65	0.00	0.00	0.00
13,600.00	89.75	359.76	10,440.36	3,275.86	282.80	3,283.57	0.00	0.00	0.00
13,700.00	89.75	359.76	10,440.80	3,375.86	282.38	3,383.50	0.00	0.00	0.00
13,800.00	89.75	359.76	10,441.24	3,475.86	281.96	3,483.42	0.00	0.00	0.00
13,900.00	89.75	359.76	10,441.67	3,575.85	281.54	3,583.35	0.00	0.00	0.00
14,000.00	89.75	359.76	10,442.11	3,675.85	281.13	3,683.28	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site:	Fuller Pad	North Reference:	Grid
Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned 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)
14,100.00	89.75	359.76	10,442.55	3,775.85	280.71	3,783.20	0.00	0.00	0.00
14,200.00	89.75	359.76	10,442.98	3,875.85	280.29	3,883.13	0.00	0.00	0.00
14,300.00	89.75	359.76	10,443.42	3,975.85	279.87	3,983.06	0.00	0.00	0.00
14,400.00	89.75	359.76	10,443.86	4,075.84	279.46	4,082.98	0.00	0.00	0.00
14,500.00	89.75	359.76	10,444.29	4,175.84	279.04	4,182.91	0.00	0.00	0.00
14,600.00	89.75	359.76	10,444.73	4,275.84	278.62	4,282.84	0.00	0.00	0.00
14,700.00	89.75	359.76	10,445.17	4,375.84	278.20	4,382.76	0.00	0.00	0.00
14,800.00	89.75	359.76	10,445.60	4,475.84	277.79	4,482.69	0.00	0.00	0.00
14,900.00	89.75	359.76	10,446.04	4,575.84	277.37	4,582.61	0.00	0.00	0.00
15,000.00	89.75	359.76	10,446.48	4,675.83	276.95	4,682.54	0.00	0.00	0.00
15,100.00	89.75	359.76	10,446.91	4,775.83	276.53	4,782.47	0.00	0.00	0.00
15,200.00	89.75	359.76	10,447.35	4,875.83	276.12	4,882.39	0.00	0.00	0.00
15,300.00	89.75	359.76	10,447.79	4,975.83	275.70	4,982.32	0.00	0.00	0.00
15,400.00	89.75	359.76	10,448.23	5,075.83	275.28	5,082.25	0.00	0.00	0.00
15,500.00	89.75	359.76	10,448.66	5,175.82	274.86	5,182.17	0.00	0.00	0.00
15,600.00	89.75	359.76	10,449.10	5,275.82	274.45	5,282.10	0.00	0.00	0.00
15,700.00	89.75	359.76	10,449.54	5,375.82	274.03	5,382.03	0.00	0.00	0.00
15,800.00	89.75	359.76	10,449.97	5,475.82	273.61	5,481.95	0.00	0.00	0.00
15,900.00	89.75	359.76	10,450.41	5,575.82	273.20	5,581.88	0.00	0.00	0.00
16,000.00	89.75	359.76	10,450.85	5,675.82	272.78	5,681.80	0.00	0.00	0.00
16,100.00	89.75	359.76	10,451.28	5,775.81	272.36	5,781.73	0.00	0.00	0.00
16,200.00	89.75	359.76	10,451.72	5,875.81	271.94	5,881.66	0.00	0.00	0.00
16,300.00	89.75	359.76	10,452.16	5,975.81	271.53	5,981.58	0.00	0.00	0.00
16,400.00	89.75	359.76	10,452.59	6,075.81	271.11	6,081.51	0.00	0.00	0.00
16,500.00	89.75	359.76	10,453.03	6,175.81	270.69	6,181.44	0.00	0.00	0.00
16,600.00	89.75	359.76	10,453.47	6,275.80	270.27	6,281.36	0.00	0.00	0.00
16,700.00	89.75	359.76	10,453.90	6,375.80	269.86	6,381.29	0.00	0.00	0.00
16,800.00	89.75	359.76	10,454.34	6,475.80	269.44	6,481.22	0.00	0.00	0.00
16,900.00	89.75	359.76	10,454.78	6,575.80	269.02	6,581.14	0.00	0.00	0.00
17,000.00	89.75	359.76	10,455.21	6,675.80	268.60	6,681.07	0.00	0.00	0.00
17,100.00	89.75	359.76	10,455.65	6,775.80	268.19	6,780.99	0.00	0.00	0.00
17,200.00	89.75	359.76	10,456.09	6,875.79	267.77	6,880.92	0.00	0.00	0.00
17,300.00	89.75	359.76	10,456.52	6,975.79	267.35	6,980.85	0.00	0.00	0.00
17,400.00	89.75	359.76	10,456.96	7,075.79	266.93	7,080.77	0.00	0.00	0.00
17,500.00	89.75	359.76	10,457.40	7,175.79	266.52	7,180.70	0.00	0.00	0.00
17,600.00	89.75	359.76	10,457.83	7,275.79	266.10	7,280.63	0.00	0.00	0.00
17,700.00	89.75	359.76	10,458.27	7,375.78	265.68	7,380.55	0.00	0.00	0.00
17,800.00	89.75	359.76	10,458.71	7,475.78	265.27	7,480.48	0.00	0.00	0.00
17,900.00	89.75	359.76	10,459.14	7,575.78	264.85	7,580.41	0.00	0.00	0.00
18,000.00	89.75	359.76	10,459.58	7,675.78	264.43	7,680.33	0.00	0.00	0.00
18,094.31	89.75	359.76	10,459.99	7,770.09	264.04	7,774.57	0.00	0.00	0.00
20" Casing									
18,095.93	89.75	359.76	10,460.00	7,771.71	264.03	7,776.19	0.00	0.00	0.00
TD at 18095.93									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site:	Fuller Pad	North Reference:	Grid
Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Fuller 13/12 W1GB BB F	0.00	0.00	9,855.05	-116.93	296.63	379,125.87	664,364.13	32.041675	-103.936280
- plan misses target center by 118.37usft at 9872.01usft MD (9853.96 TVD, -116.93 N, 415.00 E)									
- Point									
Fuller 13/12 W1GB PBH	0.00	0.00	10,460.00	7,771.71	264.03	387,014.51	664,331.53	32.063361	-103.936292
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(usft)	(usft)			(")	(")
18,094.31	10,459.99	20" Casing		20	24

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S	+E/-W		
(usft)	(usft)	(usft)	(usft)		
4,500.00	4,500.00	0.00	0.00	Build 1.5°/100'	
4,826.74	4,826.34	-3.79	13.44	4719' Hold	
9,546.36	9,528.71	-113.14	401.56	Drop 1.5°/100'	
9,873.10	9,855.05	-116.93	415.00	Build 10°/100'	
10,770.60	10,428.00	448.65	340.54	Turn 1°/100'	
11,496.68	10,431.18	1,172.58	291.57	6599' Hold	
18,095.93	10,460.00	7,771.71	264.03	TD at 18095.93	



MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Fuller Pad

Fuller 13/12 W1GB Fed Com 2Y

OH

Plan #1

Anticollision Report

01 October, 2020



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	Stations
Depth Range:	Unlimited
Results Limited by:	Max. Cent. Dist. of 1,000.00usft or Max. SF of 6
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date	10/1/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	18,095.70	Plan #1 (OH)	MWD	OWSG MWD - Standard	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Fuller 13 24						
W1JO Fed Com 1H - OH - OH	538.47	539.48	246.00	243.34	92.423 CC	
W1JO Fed Com 1H - OH - OH	800.00	798.77	246.73	242.21	54.637 ES	
W1JO Fed Com 1H - OH - OH	10,350.61	10,372.11	415.26	343.06	5.751 SF	
W1JO Fed Com 2H - OH - OH	10,286.15	10,301.66	79.14	7.75	1.109 Level 2, CC, ES, SF	
Fuller 13 24 W1KN Fed Com						
1H - OH - OH	7,580.49	7,675.83	213.53	157.06	3.781 CC	
1H - OH - OH	7,600.00	7,694.60	213.58	157.02	3.776 ES, SF	
2H - OH - OH	240.26	241.26	236.74	235.49	189.044 CC	
2H - OH - OH	3,500.00	3,501.53	250.39	225.88	10.217 ES	
2H - OH - OH	4,500.00	4,493.20	267.73	236.05	8.450 SF	
Fuller Pad						
Fuller 13/12 W1FC Fed Com 1H - OH - OH	860.73	860.77	102.97	97.51	18.875 CC	
Fuller 13/12 W1FC Fed Com 1H - OH - OH	900.00	899.73	103.03	97.36	18.175 ES	
Fuller 13/12 W1FC Fed Com 1H - OH - OH	18,095.93	18,155.00	1,199.50	947.37	4.757 SF	
Fuller 13/12 W1FC Fed Com 2H - OH - OH	3,037.47	3,037.94	56.20	37.46	2.999 CC	
Fuller 13/12 W1FC Fed Com 2H - OH - OH	3,100.00	3,099.99	56.47	37.30	2.946 ES	
Fuller 13/12 W1FC Fed Com 2H - OH - OH	4,000.00	3,999.46	67.46	42.12	2.662 SF	
Fuller 13/12 W1GB Fed Com 1H - OH - Plan #2	703.34	703.34	27.16	22.58	5.926 CC	
Fuller 13/12 W1GB Fed Com 1H - OH - Plan #2	800.00	799.65	27.48	22.21	5.215 ES	
Fuller 13/12 W1GB Fed Com 1H - OH - Plan #2	18,095.93	18,279.64	573.01	320.71	2.271 SF	

Offset Design:	Fuller 13 24 - W1JO Fed Com 1H - OH - OH												Offset Site Error:	0.00 usft
Survey Program:	515-MWD												Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	Offset Wellbore Centre +E-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	1.00	1.00	0.00	0.00	13.54	239.20	57.60	246.04					
100.00	100.00	101.01	101.01	0.13	0.17	13.55	239.19	57.65	246.04	245.74	0.30	819.274		
200.00	200.00	201.02	201.02	0.49	0.34	13.59	239.15	57.80	246.03	245.20	0.83	297.015		
300.00	300.00	301.02	301.02	0.85	0.51	13.65	239.08	58.04	246.02	244.67	1.36	181.383		
400.00	400.00	401.03	401.03	1.20	0.68	13.73	238.98	58.39	246.01	244.13	1.88	130.552		
500.00	500.00	501.03	501.03	1.56	0.85	13.84	238.86	58.83	246.00	243.59	2.41	101.972		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 - W1JO Fed Com 1H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 515-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
538.47	538.47	539.48	539.47	1.70	0.96	13.88	238.81	59.02	246.00	243.34	2.66	92.423 CC	
600.00	600.00	600.92	600.92	1.92	1.18	13.94	238.77	59.25	246.01	242.91	3.10	79.302	
700.00	700.00	700.22	700.22	2.28	1.53	13.98	238.83	59.45	246.12	242.30	3.81	64.553	
800.00	800.00	798.77	798.76	2.64	1.88	13.97	239.42	59.57	246.73	242.21	4.52	54.637 ES	
900.00	900.00	897.61	897.60	3.00	2.22	13.92	240.60	59.62	247.90	242.68	5.22	47.502	
1,000.00	1,000.00	996.75	996.72	3.36	2.57	13.83	242.18	59.60	249.44	243.52	5.92	42.124	
1,100.00	1,100.00	1,096.25	1,096.21	3.71	2.92	13.77	244.01	59.81	251.28	244.65	6.63	37.901	
1,200.00	1,200.00	1,195.98	1,195.91	4.07	3.27	14.01	245.65	61.30	253.24	245.90	7.34	34.493	
1,300.00	1,300.00	1,294.52	1,294.38	4.43	3.62	14.63	247.11	64.49	255.47	247.42	8.05	31.726	
1,400.00	1,400.00	1,392.40	1,392.09	4.79	3.98	15.77	248.60	70.21	258.48	249.72	8.76	29.502	
1,500.00	1,500.00	1,490.40	1,489.75	5.15	4.33	17.36	250.17	78.20	262.35	252.88	9.48	27.688	
1,600.00	1,600.00	1,588.21	1,587.07	5.51	4.70	19.22	251.87	87.80	267.09	256.91	10.19	26.216	
1,700.00	1,700.00	1,691.02	1,689.19	5.86	5.08	21.49	252.82	99.55	271.97	261.04	10.93	24.876	
1,800.00	1,800.00	1,794.23	1,791.52	6.22	5.47	24.19	251.47	112.98	275.85	264.17	11.68	23.617	
1,900.00	1,900.00	1,899.00	1,895.41	6.58	5.87	26.93	248.32	126.16	278.59	266.15	12.44	22.399	
2,000.00	2,000.00	2,001.37	1,997.11	6.94	6.26	29.29	244.11	136.95	279.93	266.75	13.18	21.237	
2,100.00	2,100.00	2,095.61	2,090.96	7.30	6.62	30.97	242.01	145.23	282.42	268.54	13.89	20.338	
2,200.00	2,200.00	2,191.12	2,186.22	7.66	6.98	32.06	242.83	152.12	286.92	272.33	14.59	19.662	
2,300.00	2,300.00	2,289.72	2,284.57	8.02	7.34	32.95	244.91	158.73	292.31	277.00	15.31	19.095	
2,400.00	2,400.00	2,388.32	2,382.91	8.37	7.71	33.75	247.46	165.33	298.15	282.13	16.02	18.607	
2,500.00	2,500.00	2,486.83	2,481.11	8.73	8.08	34.68	249.83	172.85	304.45	287.71	16.74	18.187	
2,600.00	2,600.00	2,585.64	2,579.51	9.09	8.46	35.80	251.82	181.59	311.21	293.75	17.46	17.825	
2,700.00	2,700.00	2,685.07	2,678.46	9.45	8.84	37.04	253.35	191.21	318.20	300.02	18.19	17.498	
2,800.00	2,800.00	2,784.18	2,777.02	9.81	9.22	38.41	254.27	201.64	325.41	306.50	18.91	17.207	
2,900.00	2,900.00	2,882.73	2,874.82	10.17	9.61	40.07	254.03	213.72	333.01	313.37	19.64	16.959	
3,000.00	3,000.00	2,984.74	2,975.86	10.52	10.02	42.04	252.46	227.65	340.87	320.49	20.38	16.725	
3,100.00	3,100.00	3,089.96	3,080.17	10.88	10.44	44.03	249.45	241.11	347.56	326.41	21.15	16.434	
3,200.00	3,200.00	3,195.05	3,184.53	11.24	10.84	45.83	245.61	252.85	352.89	330.98	21.90	16.110	
3,300.00	3,300.00	3,300.60	3,289.65	11.60	11.25	47.21	242.27	261.72	356.83	334.17	22.66	15.748	
3,400.00	3,400.00	3,399.65	3,388.47	11.96	11.62	48.16	240.07	268.17	360.14	336.77	23.37	15.407	
3,500.00	3,500.00	3,498.65	3,487.30	12.32	11.98	48.85	239.19	273.72	363.76	339.67	24.09	15.100	
3,600.00	3,600.00	3,597.08	3,585.60	12.68	12.34	49.41	239.04	279.02	367.74	342.94	24.80	14.827	
3,700.00	3,700.00	3,695.20	3,683.55	13.03	12.70	49.95	239.17	284.58	372.14	346.63	25.51	14.587	
3,800.00	3,800.00	3,791.67	3,779.84	13.39	13.06	50.47	239.79	290.53	377.29	351.08	26.21	14.394	
3,900.00	3,900.00	3,888.75	3,876.69	13.75	13.42	50.95	241.00	297.12	383.34	356.43	26.91	14.243	
4,000.00	4,000.00	3,988.88	3,976.56	14.11	13.80	51.43	242.43	304.07	389.65	362.02	27.63	14.100	
4,100.00	4,100.00	4,089.11	4,076.55	14.47	14.17	51.90	243.81	310.93	395.88	367.53	28.36	13.961	
4,200.00	4,200.00	4,189.56	4,176.77	14.83	14.55	52.34	245.15	317.66	401.99	372.91	29.08	13.825	
4,300.00	4,300.00	4,290.51	4,277.50	15.18	14.92	52.76	246.42	324.22	407.91	378.11	29.80	13.688	
4,400.00	4,400.00	4,387.73	4,374.51	15.54	15.29	53.16	247.57	330.47	413.77	383.26	30.50	13.564	
4,500.00	4,500.00	4,481.54	4,468.03	15.90	15.64	53.57	249.19	337.59	420.89	389.70	31.18	13.497	
4,600.00	4,599.99	4,578.29	4,564.39	16.25	16.01	-51.77	251.32	346.03	428.42	396.55	31.87	13.442	
4,700.00	4,699.91	4,677.27	4,662.93	16.59	16.39	-51.63	253.45	355.05	434.63	402.07	32.57	13.345	
4,800.00	4,799.69	4,777.74	4,762.95	16.92	16.77	-51.75	255.52	364.37	439.30	406.03	33.28	13.201	
4,826.74	4,826.34	4,804.77	4,789.86	17.02	16.88	-51.84	256.06	366.83	440.24	406.77	33.47	13.153	
4,900.00	4,899.33	4,878.81	4,863.59	17.27	17.16	-52.13	257.53	373.48	442.56	408.56	34.00	13.017	
5,000.00	4,998.97	4,978.41	4,962.78	17.61	17.54	-52.52	259.50	382.33	445.65	410.94	34.71	12.840	
5,100.00	5,098.60	5,076.00	5,059.95	17.95	17.92	-52.90	261.52	391.07	448.88	413.48	35.41	12.678	
5,200.00	5,198.24	5,169.29	5,152.78	18.30	18.28	-53.29	264.22	399.99	453.13	417.06	36.07	12.563	
5,300.00	5,297.87	5,260.79	5,243.66	18.65	18.64	-53.73	268.29	409.75	459.23	422.51	36.71	12.508	
5,400.00	5,397.51	5,362.06	5,344.15	18.99	19.04	-54.16	272.93	421.38	466.08	428.62	37.46	12.444	
5,500.00	5,497.14	5,463.45	5,444.74	19.34	19.45	-54.41	276.33	433.58	472.61	434.41	38.20	12.374	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 - W1JO Fed Com 1H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 515-MWD													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,600.00	5,596.77	5,564.92	5,545.38	19.70	19.85	-54.50	278.48	446.34	478.79	439.86	38.93	12.298	
5,700.00	5,696.41	5,666.52	5,646.11	20.05	20.26	-54.44	279.44	459.61	484.63	444.96	39.67	12.216	
5,800.00	5,796.04	5,768.37	5,747.11	20.40	20.67	-54.35	279.97	472.75	490.07	449.65	40.42	12.125	
5,900.00	5,895.68	5,872.54	5,850.47	20.76	21.09	-54.28	280.27	485.69	494.99	453.81	41.18	12.019	
6,000.00	5,995.31	5,979.15	5,956.41	21.11	21.51	-54.25	280.08	497.66	498.68	456.72	41.96	11.884	
6,100.00	6,094.95	6,083.07	6,059.78	21.47	21.92	-54.27	279.42	508.22	501.25	458.53	42.72	11.734	
6,200.00	6,194.58	6,186.12	6,162.35	21.83	22.32	-54.29	278.41	518.13	503.18	459.71	43.47	11.576	
6,300.00	6,294.22	6,284.28	6,260.06	22.18	22.70	-54.32	277.44	527.39	504.96	460.77	44.19	11.427	
6,400.00	6,393.85	6,382.18	6,357.51	22.54	23.08	-54.37	276.85	536.85	507.15	462.24	44.91	11.293	
6,500.00	6,493.48	6,480.33	6,455.18	22.90	23.46	-54.43	276.62	546.52	509.72	464.09	45.63	11.171	
6,600.00	6,593.12	6,579.44	6,553.80	23.26	23.85	-54.52	276.71	556.45	512.64	466.28	46.36	11.058	
6,700.00	6,692.75	6,683.84	6,657.72	23.63	24.25	-54.64	276.82	566.33	515.13	468.01	47.12	10.932	
6,800.00	6,792.39	6,785.10	6,758.61	23.99	24.64	-54.83	276.87	574.99	516.87	469.01	47.86	10.799	
6,900.00	6,892.02	6,881.09	6,854.27	24.35	25.00	-55.10	277.92	582.94	519.07	470.50	48.58	10.686	
7,000.00	6,991.66	6,977.61	6,950.44	24.71	25.37	-55.49	280.18	590.86	522.03	472.74	49.29	10.591	
7,100.00	7,091.29	7,074.93	7,047.36	25.08	25.74	-55.88	282.90	599.15	525.55	475.54	50.01	10.509	
7,200.00	7,190.92	7,171.17	7,143.16	25.44	26.12	-56.24	285.73	607.92	529.63	478.91	50.72	10.442	
7,300.00	7,290.56	7,266.48	7,237.88	25.81	26.49	-56.41	287.78	618.26	534.54	483.12	51.43	10.394	
7,400.00	7,390.19	7,364.51	7,335.16	26.17	26.88	-56.45	289.34	630.28	540.17	488.02	52.15	10.358	
7,500.00	7,489.83	7,464.64	7,434.61	26.54	27.28	-56.64	292.12	641.57	545.82	492.92	52.89	10.319	
7,600.00	7,589.46	7,566.00	7,535.35	26.91	27.68	-56.96	295.77	652.10	551.35	497.70	53.65	10.277	
7,700.00	7,689.10	7,667.96	7,636.70	27.27	28.08	-57.20	298.66	662.88	556.53	502.12	54.41	10.228	
7,800.00	7,788.73	7,774.60	7,742.74	27.64	28.50	-57.39	300.65	674.00	560.97	505.76	55.20	10.162	
7,900.00	7,888.36	7,881.67	7,849.30	28.01	28.92	-57.53	301.46	684.36	564.10	508.11	55.99	10.075	
8,000.00	7,988.00	7,986.97	7,954.19	28.38	29.32	-57.68	301.54	693.67	566.16	509.39	56.76	9.974	
8,100.00	8,087.63	8,091.25	8,058.15	28.75	29.72	-57.86	301.26	701.94	567.31	509.78	57.53	9.862	
8,200.00	8,187.27	8,193.83	8,160.48	29.12	30.10	-58.13	301.31	709.01	567.92	509.64	58.28	9.745	
8,300.00	8,286.90	8,297.69	8,264.15	29.49	30.48	-58.49	301.60	715.22	568.01	508.98	59.04	9.621	
8,400.00	8,386.54	8,402.58	8,368.87	29.86	30.87	-58.80	300.91	721.21	567.30	507.51	59.80	9.487	
8,500.00	8,486.17	8,506.17	8,472.31	30.23	31.24	-59.09	299.56	726.65	565.83	505.28	60.54	9.346	
8,600.00	8,585.81	8,609.38	8,575.42	30.60	31.61	-59.48	298.44	731.02	563.78	502.49	61.29	9.198	
8,700.00	8,685.44	8,699.70	8,665.60	30.97	31.95	-59.74	297.28	735.73	562.32	500.31	62.01	9.068	
8,735.46	8,720.77	8,731.77	8,697.59	31.10	32.07	-59.77	296.73	738.05	562.21	499.95	62.27	9.029	
8,800.00	8,785.07	8,795.00	8,760.55	31.34	32.30	-59.76	295.42	743.62	562.59	499.85	62.74	8.968	
8,900.00	8,884.71	8,893.87	8,858.94	31.71	32.68	-59.65	292.90	753.08	563.40	499.92	63.48	8.876	
9,000.00	8,984.34	8,998.69	8,963.29	32.08	33.08	-59.53	289.67	762.51	563.43	499.19	64.24	8.771	
9,100.00	9,083.98	9,105.10	9,069.32	32.45	33.48	-59.49	286.22	770.75	562.44	497.44	65.00	8.653	
9,200.00	9,183.61	9,212.57	9,176.53	32.83	33.87	-59.58	282.75	777.30	560.27	494.52	65.75	8.521	
9,300.00	9,283.25	9,321.43	9,285.23	33.20	34.25	-59.81	278.99	781.87	556.58	490.09	66.49	8.371	
9,400.00	9,382.88	9,428.06	9,391.76	33.57	34.62	-60.15	275.05	784.38	551.40	484.19	67.22	8.203	
9,500.00	9,482.51	9,532.77	9,496.37	33.94	34.96	-60.57	270.99	785.59	545.27	477.34	67.93	8.027	
9,546.36	9,528.71	9,580.75	9,544.32	34.12	35.11	-60.79	269.08	785.75	542.14	473.88	68.26	7.942	
9,600.00	9,582.18	9,635.68	9,599.21	34.32	35.29	-61.00	267.00	785.63	538.57	469.93	68.64	7.846	
9,700.00	9,682.01	9,738.10	9,701.56	34.68	35.61	-61.30	263.45	784.52	532.51	463.18	69.33	7.681	
9,800.00	9,781.95	9,837.82	9,801.22	35.04	35.91	-61.43	260.28	782.78	527.48	457.47	70.02	7.534	
9,873.10	9,855.05	9,910.67	9,874.02	35.29	36.13	-61.43	258.07	781.45	524.63	454.13	70.50	7.441	
9,900.00	9,881.94	9,938.60	9,901.93	35.39	36.22	-61.43	257.23	780.93	523.31	452.64	70.67	7.405	
9,950.00	9,931.72	10,002.00	9,965.21	35.55	36.42	-61.43	253.55	780.35	518.19	447.28	70.91	7.308	
10,000.00	9,980.91	10,067.88	10,030.31	35.71	36.64	-61.43	243.92	782.56	509.10	438.05	71.05	7.166	
10,050.00	10,029.15	10,121.98	10,082.66	35.86	36.83	-61.43	231.09	786.81	496.78	425.56	71.22	6.975	
10,100.00	10,076.06	10,258.20	10,205.84	36.01	37.30	-61.43	175.62	800.38	481.03	411.37	69.66	6.905	
10,150.00	10,121.29	10,322.15	10,258.28	36.14	37.49	-61.43	139.13	802.75	460.48	391.21	69.27	6.647	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 - W1JO Fed Com 1H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 515-MWD														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
10,200.00	10,164.50	10,347.26	10,278.18	36.26	37.56	87.11	123.81	803.02	441.95	371.98	69.97	6.317			
10,250.00	10,205.35	10,360.71	10,288.59	36.36	37.59	90.39	115.30	803.28	427.57	356.72	70.85	6.035			
10,300.00	10,243.53	10,368.77	10,294.74	36.46	37.62	92.41	110.09	803.50	418.44	346.81	71.63	5.842			
10,350.00	10,278.76	10,372.09	10,297.25	36.54	37.63	93.19	107.93	803.59	415.26	343.06	72.20	5.752			
10,350.61	10,279.17	10,372.11	10,297.26	36.54	37.63	93.19	107.92	803.59	415.26	343.06	72.20	5.751 SF			
10,400.00	10,310.76	10,371.30	10,296.65	36.60	37.62	92.77	108.45	803.57	418.30	345.81	72.49	5.770			
10,450.00	10,339.29	10,365.00	10,291.87	36.66	37.61	90.98	112.54	803.39	427.40	354.89	72.50	5.895			
10,500.00	10,364.14	10,365.00	10,291.87	36.70	37.61	89.45	112.54	803.39	442.01	369.60	72.41	6.104			
10,550.00	10,385.12	10,352.45	10,282.22	36.76	37.57	85.69	120.56	803.10	461.29	389.19	72.10	6.398			
10,600.00	10,402.06	10,342.34	10,274.33	36.90	37.54	81.80	126.86	802.95	484.45	412.61	71.84	6.743			
10,650.00	10,414.83	10,328.07	10,263.01	37.05	37.51	77.08	135.57	802.82	510.56	438.99	71.57	7.134			
10,700.00	10,423.35	10,304.26	10,243.88	37.22	37.44	71.20	149.73	802.39	538.49	467.31	71.17	7.566			
10,750.00	10,427.54	10,279.21	10,223.39	37.39	37.37	65.42	164.12	801.49	567.31	496.47	70.85	8.008			
10,770.60	10,428.00	10,272.00	10,217.42	37.46	37.35	63.43	168.14	801.14	579.31	508.48	70.83	8.179			
10,800.00	10,428.13	10,259.44	10,206.90	37.57	37.31	62.40	174.96	800.45	596.74	525.97	70.77	8.432			
10,900.00	10,428.57	10,229.65	10,181.26	37.97	37.22	60.12	190.00	798.55	660.05	589.13	70.93	9.306			
11,000.00	10,429.00	10,203.46	10,157.98	38.44	37.13	58.28	201.83	796.59	728.83	657.65	71.18	10.239			
11,100.00	10,429.44	10,178.00	10,134.91	38.97	37.04	56.60	212.24	793.87	801.60	730.18	71.42	11.224			
11,200.00	10,429.88	10,156.78	10,115.39	39.57	36.96	55.41	220.08	791.12	877.83	806.12	71.71	12.242			
11,300.00	10,430.32	10,147.00	10,106.27	40.22	36.93	55.31	223.40	789.84	957.13	884.97	72.17	13.263			

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 - W1JO Fed Com 2H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 524-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	6.61	238.10	27.60	239.70				
100.00	100.00	98.70	98.70	0.13	0.17	6.64	238.15	27.72	239.76	239.46	0.30	807.710	
200.00	200.00	198.39	198.39	0.49	0.34	6.72	238.30	28.09	239.95	239.12	0.82	290.936	
300.00	300.00	298.08	298.08	0.85	0.51	6.86	238.54	28.70	240.27	238.91	1.35	177.628	
400.00	400.00	397.77	397.76	1.20	0.68	7.05	238.89	29.55	240.72	238.83	1.88	128.004	
500.00	500.00	497.45	497.43	1.56	0.85	7.30	239.34	30.66	241.30	238.89	2.41	100.190	
600.00	600.00	595.65	595.63	1.92	1.15	7.60	240.08	32.04	242.24	239.17	3.07	78.925	
700.00	700.00	693.65	693.59	2.28	1.50	7.99	241.66	33.91	244.09	240.31	3.78	64.576	
800.00	800.00	792.19	792.08	2.64	1.86	8.53	243.78	36.54	246.60	242.10	4.49	54.886	
900.00	900.00	891.04	890.83	3.00	2.21	9.20	246.33	39.91	249.67	244.47	5.21	47.944	
1,000.00	1,000.00	990.23	989.92	3.36	2.57	9.91	249.16	43.53	253.10	247.18	5.92	42.724	
1,100.00	1,100.00	1,090.08	1,089.65	3.71	2.94	10.61	252.21	47.25	256.77	250.12	6.64	38.650	
1,200.00	1,200.00	1,190.36	1,189.83	4.07	3.30	11.24	255.20	50.72	260.35	252.99	7.36	35.354	
1,300.00	1,300.00	1,293.23	1,292.61	4.43	3.67	11.88	257.72	54.20	263.44	255.34	8.09	32.545	
1,400.00	1,400.00	1,396.92	1,396.21	4.79	4.05	12.66	258.71	58.13	265.18	256.35	8.83	30.041	
1,500.00	1,500.00	1,498.51	1,497.72	5.15	4.41	13.55	258.53	62.31	265.93	256.38	9.55	27.844	
1,600.00	1,600.00	1,599.99	1,599.10	5.51	4.78	14.51	257.65	66.69	266.14	255.87	10.27	25.906	
1,700.00	1,700.00	1,701.14	1,700.15	5.86	5.14	15.48	256.26	70.98	265.91	254.92	10.99	24.187	
1,800.00	1,800.00	1,801.93	1,800.84	6.22	5.50	16.42	254.47	75.01	265.30	253.58	11.71	22.649	
1,900.00	1,900.00	1,901.88	1,900.69	6.58	5.86	17.36	252.58	78.94	264.63	252.20	12.43	21.290	
2,000.00	2,000.00	2,001.64	2,000.36	6.94	6.21	18.31	250.66	82.94	264.03	250.89	13.15	20.082	
2,100.00	2,100.00	2,101.12	2,099.70	7.30	6.57	19.42	248.64	87.67	263.64	249.77	13.87	19.013	
2,165.53	2,165.53	2,166.06	2,164.53	7.53	6.81	20.25	247.25	91.20	263.54	249.20	14.34	18.382	
2,200.00	2,200.00	2,200.03	2,198.45	7.66	6.93	20.70	246.56	93.14	263.57	248.99	14.58	18.072	
2,300.00	2,300.00	2,298.58	2,296.79	8.02	7.30	22.04	244.78	99.11	264.09	248.79	15.30	17.256	
2,400.00	2,400.00	2,397.10	2,395.11	8.37	7.66	23.39	243.43	105.28	265.25	249.22	16.02	16.554	
2,500.00	2,500.00	2,495.70	2,493.55	8.73	8.02	24.54	242.84	110.86	267.01	250.26	16.74	15.948	
2,600.00	2,600.00	2,595.83	2,593.53	9.09	8.39	25.59	242.64	116.20	269.09	251.62	17.47	15.405	
2,700.00	2,700.00	2,696.22	2,693.77	9.45	8.76	26.71	242.10	121.80	271.07	252.87	18.19	14.899	
2,800.00	2,800.00	2,795.36	2,792.75	9.81	9.12	27.82	241.53	127.47	273.17	254.26	18.91	14.443	
2,900.00	2,900.00	2,894.78	2,892.00	10.17	9.49	28.90	241.22	133.18	275.63	256.00	19.64	14.037	
3,000.00	3,000.00	2,996.48	2,993.56	10.52	9.86	29.91	240.83	138.53	277.89	257.52	20.37	13.645	
3,100.00	3,100.00	3,098.22	3,095.20	10.88	10.23	30.79	240.13	143.07	279.54	258.45	21.09	13.252	
3,200.00	3,200.00	3,199.95	3,196.87	11.24	10.60	31.49	239.28	146.56	280.60	258.79	21.82	12.861	
3,300.00	3,300.00	3,299.69	3,296.57	11.60	10.96	32.01	238.45	149.06	281.22	258.68	22.54	12.478	
3,400.00	3,400.00	3,397.00	3,393.83	11.96	11.31	32.53	238.18	151.94	282.57	259.32	23.24	12.157	
3,500.00	3,500.00	3,495.69	3,492.46	12.32	11.67	33.11	238.44	155.50	284.74	260.78	23.96	11.886	
3,600.00	3,600.00	3,595.55	3,592.24	12.68	12.03	33.73	238.68	159.34	287.07	262.39	24.68	11.633	
3,700.00	3,700.00	3,695.31	3,691.92	13.03	12.39	34.36	238.89	163.31	289.46	264.07	25.39	11.399	
3,800.00	3,800.00	3,795.03	3,791.57	13.39	12.75	34.95	239.24	167.18	291.96	265.84	26.11	11.181	
3,900.00	3,900.00	3,895.46	3,891.93	13.75	13.12	35.51	239.61	170.98	294.45	267.62	26.83	10.973	
4,000.00	4,000.00	3,996.05	3,992.45	14.11	13.48	36.08	239.78	174.71	296.75	269.20	27.56	10.769	
4,100.00	4,100.00	4,096.36	4,092.70	14.47	13.85	36.58	239.99	178.09	298.91	270.64	28.27	10.572	
4,200.00	4,200.00	4,196.62	4,192.92	14.83	14.21	36.95	240.48	180.86	300.97	271.97	28.99	10.380	
4,300.00	4,300.00	4,296.36	4,292.63	15.18	14.57	37.25	241.15	183.38	303.02	273.31	29.71	10.200	
4,400.00	4,400.00	4,395.97	4,392.20	15.54	14.92	37.49	242.10	185.68	305.18	274.76	30.42	10.032	
4,500.00	4,500.00	4,493.49	4,489.69	15.90	15.27	37.71	243.32	188.13	307.71	276.58	31.13	9.886	
4,600.00	4,599.99	4,590.06	4,586.17	16.25	15.62	-67.78	244.67	192.02	310.79	278.98	31.81	9.769	
4,700.00	4,699.91	4,689.19	4,685.15	16.59	15.99	-67.83	246.15	197.13	313.66	281.15	32.51	9.649	
4,800.00	4,799.69	4,789.05	4,784.87	16.92	16.35	-68.33	247.69	202.31	315.61	282.40	33.21	9.503	
4,826.74	4,826.34	4,815.96	4,811.74	17.02	16.45	-68.55	248.11	203.69	315.96	282.57	33.40	9.460	
4,900.00	4,899.33	4,889.94	4,885.62	17.27	16.72	-69.21	249.23	207.33	316.76	282.84	33.92	9.338	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 - W1JO Fed Com 2H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 524-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/S (usft)	+E/W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,998.97	4,990.90	4,986.47	17.61	17.09	-70.16	250.69	211.89	317.61	282.98	34.63	9.171	
5,100.00	5,098.60	5,092.03	5,087.49	17.95	17.46	-71.04	251.63	216.54	318.18	282.83	35.35	9.001	
5,200.00	5,198.24	5,193.17	5,188.50	18.30	17.83	-71.77	251.75	221.67	318.41	282.35	36.07	8.828	
5,300.00	5,297.87	5,294.06	5,289.27	18.65	18.20	-72.51	251.64	226.52	318.36	281.57	36.79	8.654	
5,400.00	5,397.51	5,395.12	5,390.24	18.99	18.56	-73.34	251.52	230.80	318.04	280.54	37.51	8.480	
5,500.00	5,497.14	5,496.41	5,491.46	19.34	18.93	-74.23	251.22	234.58	317.38	279.15	38.23	8.303	
5,600.00	5,596.77	5,597.37	5,592.36	19.70	19.30	-75.17	250.68	237.93	316.38	277.43	38.95	8.124	
5,700.00	5,696.41	5,698.09	5,693.02	20.05	19.66	-76.10	249.88	241.16	315.17	275.51	39.66	7.946	
5,800.00	5,796.04	5,798.47	5,793.35	20.40	20.02	-77.03	248.86	244.29	313.82	273.43	40.38	7.771	
5,900.00	5,895.68	5,898.71	5,893.54	20.76	20.38	-77.98	247.75	247.31	312.41	271.31	41.10	7.601	
6,000.00	5,995.31	5,996.93	5,991.70	21.11	20.74	-78.89	246.73	250.48	311.26	269.44	41.82	7.443	
6,100.00	6,094.95	6,094.91	6,089.60	21.47	21.09	-79.69	245.98	254.46	310.79	268.26	42.53	7.307	
6,200.00	6,194.58	6,195.67	6,190.26	21.83	21.46	-80.45	245.23	258.92	310.56	267.30	43.26	7.179	
6,300.00	6,294.22	6,295.83	6,290.32	22.18	21.83	-81.22	244.24	263.20	310.10	266.12	43.98	7.050	
6,327.11	6,321.22	6,321.81	6,316.27	22.28	21.92	-81.43	244.06	264.30	310.05	265.88	44.18	7.019	
6,400.00	6,393.85	6,391.65	6,386.05	22.54	22.17	-82.02	244.07	267.24	310.42	265.73	44.69	6.946	
6,500.00	6,493.48	6,488.53	6,482.84	22.90	22.53	-82.93	245.27	271.31	312.09	266.70	45.40	6.874	
6,600.00	6,593.12	6,590.19	6,584.41	23.26	22.89	-83.94	246.70	275.26	313.90	267.76	46.13	6.804	
6,700.00	6,692.75	6,691.68	6,685.84	23.63	23.26	-84.99	247.70	278.73	315.23	268.36	46.87	6.726	
6,800.00	6,792.39	6,792.85	6,786.97	23.99	23.62	-86.13	248.44	281.50	316.20	268.61	47.60	6.643	
6,900.00	6,892.02	6,893.89	6,887.98	24.35	23.99	-87.38	249.00	283.52	316.89	268.57	48.32	6.558	
7,000.00	6,991.66	6,994.78	6,988.86	24.71	24.35	-88.74	249.40	284.79	317.37	268.31	49.05	6.470	
7,100.00	7,091.29	7,095.28	7,089.36	25.08	24.70	-90.18	249.62	285.50	317.70	267.92	49.77	6.383	
7,200.00	7,190.92	7,195.65	7,189.73	25.44	25.06	-91.59	249.60	286.28	318.01	267.51	50.50	6.298	
7,300.00	7,290.56	7,294.92	7,289.00	25.81	25.40	-93.01	249.54	286.89	318.44	267.24	51.20	6.219	
7,400.00	7,390.19	7,393.85	7,387.92	26.17	25.74	-94.55	249.84	286.81	319.29	267.38	51.90	6.151	
7,500.00	7,489.83	7,492.75	7,486.83	26.54	26.06	-96.22	250.51	285.96	320.60	268.01	52.59	6.096	
7,600.00	7,589.46	7,591.50	7,585.55	26.91	26.38	-98.05	251.52	284.24	322.42	269.15	53.27	6.052	
7,700.00	7,689.10	7,690.36	7,684.37	27.27	26.69	-99.99	252.83	281.74	324.79	270.84	53.95	6.020	
7,800.00	7,788.73	7,789.07	7,783.02	27.64	27.01	-102.02	254.36	278.56	327.72	273.09	54.63	5.999	
7,900.00	7,888.36	7,887.89	7,881.78	28.01	27.33	-103.99	256.05	275.53	331.22	275.92	55.30	5.989	
8,000.00	7,988.00	7,988.09	7,981.93	28.38	27.66	-105.83	257.82	273.11	335.17	279.18	55.99	5.986	
8,100.00	8,087.63	8,091.78	8,085.61	28.75	28.01	-107.47	258.75	271.94	338.55	281.84	56.71	5.970	
8,200.00	8,187.27	8,194.02	8,187.85	29.12	28.36	-108.83	258.55	272.20	341.01	283.59	57.42	5.939	
8,300.00	8,286.90	8,294.56	8,288.39	29.49	28.71	-110.07	258.00	272.92	343.27	285.14	58.13	5.905	
8,400.00	8,386.54	8,393.87	8,387.69	29.86	29.06	-111.26	257.34	273.79	345.56	286.72	58.84	5.873	
8,500.00	8,486.17	8,492.44	8,486.26	30.23	29.41	-112.46	256.94	274.34	348.28	288.73	59.55	5.849	
8,600.00	8,585.81	8,593.21	8,587.03	30.60	29.76	-113.72	256.58	274.67	351.24	290.98	60.26	5.829	
8,700.00	8,685.44	8,694.72	8,688.53	30.97	30.11	-114.96	255.72	275.09	353.88	292.91	60.97	5.804	
8,800.00	8,785.07	8,796.48	8,790.27	31.34	30.47	-116.13	254.37	275.87	356.13	294.45	61.68	5.774	
8,900.00	8,884.71	8,896.19	8,891.96	31.71	30.82	-117.21	252.54	277.33	357.93	295.54	62.39	5.737	
9,000.00	8,984.34	8,998.57	8,992.31	32.08	31.17	-118.28	250.36	278.70	359.51	296.41	63.09	5.698	
9,100.00	9,083.98	9,099.18	9,092.88	32.45	31.52	-119.44	247.88	279.53	361.04	297.25	63.79	5.660	
9,200.00	9,183.61	9,200.61	9,194.27	32.83	31.87	-120.63	244.95	280.28	362.34	297.85	64.49	5.618	
9,300.00	9,283.25	9,301.15	9,294.75	33.20	32.22	-121.80	241.62	281.08	363.37	298.18	65.19	5.574	
9,400.00	9,382.88	9,400.47	9,394.01	33.57	32.56	-122.98	238.31	281.75	364.57	298.68	65.89	5.533	
9,500.00	9,482.51	9,499.55	9,493.03	33.94	32.90	-124.17	235.08	282.23	366.05	299.47	66.58	5.498	
9,546.36	9,528.71	9,545.39	9,538.85	34.12	33.06	-124.72	233.64	282.39	366.86	299.96	66.90	5.484	
9,600.00	9,582.18	9,598.44	9,591.88	34.32	33.24	-125.33	232.02	282.52	367.68	300.41	67.27	5.466	
9,700.00	9,682.01	9,696.64	9,690.04	34.68	33.58	-126.20	229.20	282.59	368.37	300.42	67.96	5.421	
9,800.00	9,781.95	9,814.69	9,807.99	35.04	33.99	-126.86	224.91	282.74	367.11	298.48	68.63	5.349	
9,873.10	9,855.05	9,951.30	9,942.74	35.29	34.47	-121.46	204.53	288.66	356.60	288.52	68.09	5.238	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 - W1JO Fed Com 2H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 524-MWD														Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
9,900.00	9,881.94	10,010.06	9,998.94	35.39	34.68	-14.50	188.15	293.53	348.36	281.26	67.10	5.192			
9,950.00	9,931.72	10,118.43	10,095.65	35.55	35.06	-17.84	140.74	303.03	321.52	257.72	63.80	5.040			
10,000.00	9,980.91	10,209.88	10,168.60	35.71	35.37	-26.37	86.40	310.81	286.31	226.85	59.45	4.816			
10,050.00	10,029.15	10,260.53	10,203.06	35.86	35.55	-40.35	49.61	315.33	243.61	186.29	57.33	4.250			
10,100.00	10,076.06	10,279.81	10,215.37	36.01	35.62	-54.44	34.82	316.54	199.72	141.52	58.20	3.431			
10,150.00	10,121.29	10,292.54	10,223.35	36.14	35.66	-69.17	24.92	317.19	156.46	96.31	60.16	2.601			
10,200.00	10,164.50	10,299.91	10,227.92	36.26	35.69	-80.58	19.15	317.52	116.65	52.72	63.93	1.825			
10,250.00	10,205.35	10,302.48	10,229.50	36.36	35.70	-86.21	17.12	317.63	86.95	17.29	69.66	1.248 Level 2			
10,286.15	10,233.24	10,301.66	10,229.00	36.43	35.69	-86.43	17.77	317.59	79.14	7.75	71.40	1.109 Level 2, CC, ES, SF			
10,300.00	10,243.53	10,300.79	10,228.46	36.46	35.69	-85.68	18.45	317.56	80.33	9.77	70.56	1.139 Level 2			
10,350.00	10,278.76	10,295.32	10,225.07	36.54	35.67	-79.41	22.75	317.32	101.26	37.14	64.12	1.579			
10,400.00	10,310.76	10,286.48	10,219.56	36.60	35.64	-68.49	29.64	316.90	137.12	77.49	59.63	2.299			
10,450.00	10,339.29	10,274.67	10,212.12	36.66	35.60	-55.41	38.78	316.25	178.40	120.66	57.74	3.090			
10,500.00	10,364.14	10,261.04	10,203.40	36.70	35.55	-43.51	49.22	315.37	221.31	164.10	57.21	3.868			
10,550.00	10,385.12	10,245.65	10,193.35	36.76	35.50	-34.09	60.82	314.15	264.31	207.02	57.29	4.614			
10,600.00	10,402.06	10,231.70	10,184.02	36.90	35.45	-27.58	71.11	312.87	306.72	248.75	57.98	5.290			
10,650.00	10,414.83	10,218.94	10,175.13	37.05	35.41	-22.90	80.18	311.67	348.39	289.41	58.98	5.907			
10,700.00	10,423.35	10,209.00	10,167.95	37.22	35.37	-19.55	86.99	310.72	389.13	328.85	60.28	6.455			
10,750.00	10,427.54	10,190.75	10,154.31	37.39	35.31	-16.54	98.98	309.00	428.58	367.60	60.99	7.028			
10,770.60	10,428.00	10,178.00	10,144.46	37.46	35.26	-15.33	106.99	307.82	444.56	383.60	60.95	7.293			
10,800.00	10,428.13	10,178.00	10,144.46	37.57	35.26	-14.99	106.99	307.82	467.17	405.08	62.09	7.524			
10,900.00	10,428.57	10,147.00	10,119.56	37.97	35.16	-12.63	125.27	305.25	547.20	483.71	63.50	8.618			
11,000.00	10,429.00	10,116.00	10,093.58	38.44	35.05	-10.37	142.00	302.83	630.72	566.24	64.48	9.782			
11,100.00	10,429.44	10,085.00	10,066.91	38.97	34.95	-8.24	157.61	300.37	716.59	651.40	65.19	10.992			
11,200.00	10,429.88	10,072.15	10,055.67	39.57	34.90	-6.32	163.73	299.33	804.18	737.92	66.27	12.136			
11,300.00	10,430.32	10,054.00	10,039.47	40.22	34.84	-4.30	171.76	297.71	893.71	826.77	66.93	13.352			
11,400.00	10,430.75	10,054.00	10,039.47	40.92	34.84	-2.09	171.76	297.71	984.80	916.96	67.84	14.516			

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 W1KN Fed Com - 1H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD, 4396-MWD														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-7.83	-7.83	235.70	-32.40	237.92	237.89	237.63	0.25	941.826	
100.00	100.00	98.14	98.14	0.13	0.12	-7.85	-7.85	235.66	-32.47	237.89	237.89	237.63	0.25	941.826	
114.01	114.01	112.01	112.01	0.18	0.17	-7.85	-7.85	235.65	-32.49	237.88	237.88	237.54	0.35	685.386	
200.00	200.00	196.98	196.98	0.49	0.46	-7.86	-7.86	235.83	-32.54	238.07	238.07	237.12	0.95	250.078	
300.00	300.00	297.15	297.15	0.85	0.82	-7.88	-7.88	236.22	-32.68	238.47	238.47	236.81	1.66	143.590	
400.00	400.00	396.72	396.72	1.20	1.16	-7.86	-7.86	236.66	-32.65	238.91	238.91	236.54	2.37	100.907	
500.00	500.00	496.00	495.99	1.56	1.51	-7.72	-7.72	237.41	-32.19	239.60	239.60	236.52	3.07	77.931	
600.00	600.00	595.24	595.23	1.92	1.86	-7.59	-7.59	238.35	-31.76	240.47	240.47	236.69	3.78	63.608	
700.00	700.00	694.16	694.13	2.28	2.21	-7.38	-7.38	239.82	-31.05	241.85	241.85	237.37	4.49	53.901	
800.00	800.00	793.19	793.14	2.64	2.56	-7.02	-7.02	241.78	-29.76	243.65	243.65	238.46	5.20	46.896	
900.00	900.00	893.02	892.94	3.00	2.92	-6.63	-6.63	244.00	-28.35	245.69	245.69	239.78	5.91	41.592	
1,000.00	1,000.00	991.08	990.94	3.36	3.28	-6.12	-6.12	246.60	-26.44	248.12	248.12	241.50	6.61	37.513	
1,100.00	1,100.00	1,089.90	1,089.67	3.71	3.64	-5.50	-5.50	249.92	-24.07	251.22	251.22	243.89	7.33	34.293	
1,200.00	1,200.00	1,187.51	1,187.17	4.07	4.00	-4.86	-4.86	253.83	-21.57	254.97	254.97	246.94	8.03	31.746	
1,300.00	1,300.00	1,286.04	1,285.54	4.43	4.38	-4.08	-4.08	258.56	-18.46	259.52	259.52	250.77	8.74	29.677	
1,400.00	1,400.00	1,383.65	1,382.92	4.79	4.75	-3.13	-3.13	263.92	-14.41	264.74	264.74	255.29	9.46	27.993	
1,500.00	1,500.00	1,482.61	1,481.59	5.15	5.14	-2.11	-2.11	269.99	-9.94	270.67	270.67	260.49	10.18	26.595	
1,600.00	1,600.00	1,583.63	1,582.29	5.51	5.54	-0.99	-0.99	276.11	-4.79	276.60	276.60	265.69	10.91	25.356	
1,700.00	1,700.00	1,686.84	1,685.21	5.86	5.93	0.15	0.15	281.46	0.73	281.75	281.75	270.11	11.65	24.188	
1,800.00	1,800.00	1,789.16	1,787.31	6.22	6.31	1.22	1.22	285.60	6.07	285.87	285.87	273.49	12.38	23.092	
1,900.00	1,900.00	1,889.83	1,887.80	6.58	6.67	2.17	2.17	289.08	10.96	289.47	289.47	276.37	13.10	22.099	
2,000.00	2,000.00	1,990.63	1,988.40	6.94	7.04	3.24	3.24	292.25	16.52	292.87	292.87	279.05	13.82	21.189	
2,100.00	2,100.00	2,089.28	2,086.79	7.30	7.40	4.44	4.44	295.26	22.94	296.36	296.36	281.82	14.54	20.382	
2,200.00	2,200.00	2,186.68	2,183.82	7.66	7.78	5.86	5.86	298.68	30.65	300.58	300.58	285.32	15.26	19.692	
2,300.00	2,300.00	2,283.97	2,280.51	8.02	8.18	7.67	7.67	302.56	40.73	305.79	305.79	289.79	16.01	19.102	
2,400.00	2,400.00	2,381.44	2,377.08	8.37	8.62	9.86	9.86	306.71	53.29	312.01	312.01	295.23	16.78	18.594	
2,500.00	2,500.00	2,479.89	2,474.32	8.73	9.11	12.35	12.35	310.85	68.05	319.10	319.10	301.51	17.58	18.148	
2,600.00	2,600.00	2,579.19	2,572.18	9.09	9.65	15.04	15.04	314.60	84.50	326.78	326.78	308.36	18.41	17.746	
2,700.00	2,700.00	2,678.49	2,669.82	9.45	10.22	17.85	17.85	317.67	102.30	334.93	334.93	315.66	19.27	17.385	
2,800.00	2,800.00	2,778.61	2,768.07	9.81	10.83	20.79	20.79	319.94	121.44	343.52	343.52	323.37	20.14	17.054	
2,900.00	2,900.00	2,877.77	2,865.19	10.17	11.48	23.76	23.76	321.20	141.42	352.49	352.49	331.46	21.03	16.760	
3,000.00	3,000.00	2,975.90	2,961.06	10.52	12.17	26.77	26.77	321.71	162.30	362.22	362.22	340.29	21.93	16.517	
3,100.00	3,100.00	3,074.67	3,057.36	10.88	12.92	29.81	29.81	321.53	184.25	372.80	372.80	349.96	22.85	16.318	
3,200.00	3,200.00	3,173.37	3,153.46	11.24	13.70	32.82	32.82	320.56	206.75	384.04	384.04	360.28	23.77	16.158	
3,300.00	3,300.00	3,271.80	3,249.17	11.60	14.52	35.76	35.76	318.88	229.68	396.01	396.01	371.33	24.68	16.043	
3,400.00	3,400.00	3,369.81	3,344.40	11.96	15.36	38.59	38.59	316.71	252.74	408.72	408.72	383.14	25.58	15.975	
3,500.00	3,500.00	3,465.94	3,437.71	12.32	16.22	41.27	41.27	314.21	275.73	422.36	422.36	395.90	26.46	15.963	
3,600.00	3,600.00	3,560.77	3,529.50	12.68	17.14	43.88	43.88	311.35	299.36	437.32	437.32	410.00	27.32	16.005	
3,700.00	3,700.00	3,655.41	3,620.81	13.03	18.13	46.45	46.45	308.03	324.01	453.68	453.68	425.49	28.19	16.093	
3,800.00	3,800.00	3,750.08	3,711.92	13.39	19.18	48.95	48.95	304.32	349.47	471.32	471.32	442.26	29.06	16.218	
3,900.00	3,900.00	3,845.69	3,803.76	13.75	20.30	51.37	51.37	300.26	375.76	490.13	490.13	460.22	29.92	16.384	
4,000.00	4,000.00	3,942.41	3,896.57	14.11	21.47	53.70	53.70	295.70	402.57	509.70	509.70	478.91	30.79	16.553	
4,100.00	4,100.00	4,038.42	3,988.61	14.47	22.66	55.91	55.91	290.66	429.41	529.94	529.94	498.30	31.64	16.748	
4,200.00	4,200.00	4,132.66	4,078.86	14.83	23.87	57.96	57.96	285.40	456.06	551.04	551.04	518.58	32.46	16.976	
4,300.00	4,300.00	4,226.97	4,168.92	15.18	25.12	59.95	59.95	279.67	483.43	573.22	573.22	539.95	33.27	17.232	
4,400.00	4,400.00	4,338.18	4,275.37	15.54	26.55	62.08	62.08	272.87	514.88	595.48	595.48	561.22	34.26	17.382	
4,500.00	4,500.00	4,446.67	4,380.26	15.90	28.04	63.79	63.79	266.77	541.92	615.39	615.39	580.83	34.56	17.807	
4,600.00	4,599.99	4,556.15	4,486.80	16.25	28.85	-40.42	-40.42	261.41	566.54	632.79	632.79	598.05	34.74	18.217	
4,700.00	4,699.91	4,680.18	4,608.38	16.59	28.88	-39.26	-39.26	256.13	590.43	645.78	645.78	610.75	35.04	18.432	
4,800.00	4,799.69	4,830.37	4,757.09	16.92	26.92	-38.60	-38.60	250.49	610.39	651.82	651.82	616.41	35.42	18.405	
4,826.74	4,826.34	4,882.33	4,808.89	17.02	26.94	-38.55	-38.55	248.33	613.72	651.26	651.26	615.76	35.50	18.346	
4,900.00	4,899.33	5,000.48	4,926.89	17.27	26.97	-38.66	-38.66	242.90	613.85	644.87	644.87	609.21	35.66	18.082	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 W1KN Fed Com - 1H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-MWD, 4396-MWD														Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,000.00	4,998.97	5,126.83	5,052.92	17.61	27.00	-39.13	238.10	606.65	631.50	595.53	35.98	17.553			
5,100.00	5,098.60	5,234.47	5,160.04	17.95	27.04	-39.76	234.81	596.67	615.19	578.78	36.41	16.894			
5,200.00	5,198.24	5,338.37	5,263.32	18.30	27.07	-40.46	231.70	585.73	597.85	560.96	36.89	16.206			
5,300.00	5,297.87	5,434.43	5,358.78	18.65	27.12	-41.17	228.86	575.38	580.39	542.95	37.44	15.502			
5,400.00	5,397.51	5,534.17	5,457.93	18.99	27.16	-41.93	225.89	564.96	563.31	525.34	37.98	14.834			
5,500.00	5,497.14	5,647.98	5,570.82	19.34	27.22	-42.84	221.53	551.27	544.55	506.15	38.41	14.178			
5,600.00	5,596.77	5,755.36	5,676.96	19.70	27.29	-43.81	216.40	535.81	523.38	484.49	38.90	13.456			
5,700.00	5,696.41	5,857.76	5,777.93	20.05	27.36	-44.98	212.20	519.29	501.16	461.68	39.48	12.695			
5,800.00	5,796.04	5,955.64	5,874.28	20.40	27.43	-46.33	208.69	502.41	478.44	438.28	40.16	11.914			
5,900.00	5,895.68	6,052.24	5,969.39	20.76	27.51	-47.74	204.90	485.95	455.99	415.12	40.87	11.156			
6,000.00	5,995.31	6,150.37	6,066.01	21.11	27.60	-49.28	200.74	469.31	433.74	392.14	41.60	10.426			
6,100.00	6,094.95	6,248.69	6,162.76	21.47	27.69	-50.99	196.36	452.33	411.45	369.09	42.36	9.713			
6,200.00	6,194.58	6,347.82	6,260.22	21.83	27.80	-52.90	191.61	434.87	389.07	345.92	43.15	9.016			
6,300.00	6,294.22	6,446.63	6,357.27	22.18	27.90	-55.01	186.36	417.06	366.50	322.51	43.98	8.333			
6,400.00	6,393.85	6,541.46	6,450.37	22.54	28.02	-57.36	181.57	399.68	344.39	299.44	44.95	7.662			
6,500.00	6,493.48	6,636.08	6,543.27	22.90	28.13	-60.14	177.69	382.17	323.44	277.43	46.01	7.030			
6,600.00	6,593.12	6,728.95	6,634.61	23.26	28.26	-63.18	174.36	365.66	304.23	257.08	47.15	6.452			
6,700.00	6,692.75	6,822.64	6,726.98	23.63	28.38	-66.43	171.17	350.40	287.14	238.84	48.30	5.945			
6,800.00	6,792.39	6,918.06	6,821.27	23.99	28.51	-69.93	167.96	336.07	271.96	222.53	49.43	5.502			
6,900.00	6,892.02	7,013.92	6,916.15	24.35	28.65	-73.60	164.68	322.78	258.52	207.98	50.54	5.115			
7,000.00	6,991.66	7,109.81	7,011.22	24.71	28.78	-77.38	161.39	310.74	246.94	195.32	51.62	4.784			
7,100.00	7,091.29	7,206.49	7,107.24	25.08	28.93	-81.24	158.11	299.95	237.23	184.60	52.63	4.507			
7,200.00	7,190.92	7,304.11	7,204.18	25.44	29.07	-85.54	155.25	288.81	229.07	175.46	53.61	4.273			
7,300.00	7,290.56	7,401.81	7,301.09	25.81	29.23	-90.40	153.00	276.66	222.65	168.11	54.54	4.083			
7,400.00	7,390.19	7,500.61	7,399.07	26.17	29.39	-95.61	150.54	264.14	217.76	162.41	55.35	3.934			
7,500.00	7,489.83	7,598.38	7,496.01	26.54	29.55	-100.92	147.73	251.80	214.42	158.39	56.03	3.827			
7,580.49	7,570.02	7,675.83	7,572.82	26.83	29.68	-105.24	145.87	241.95	213.53	157.06	56.47	3.781 CC			
7,600.00	7,589.46	7,694.60	7,591.43	26.91	29.72	-106.29	145.49	239.56	213.58	157.02	56.56	3.776 ES, SF			
7,700.00	7,689.10	7,792.39	7,688.41	27.27	29.89	-111.70	143.78	227.18	215.33	158.41	56.92	3.783			
7,800.00	7,788.73	7,892.28	7,787.62	27.64	30.06	-116.82	141.56	215.70	218.37	161.22	57.15	3.821			
7,900.00	7,888.36	7,992.11	7,886.83	28.01	30.25	-121.64	138.61	204.98	222.20	164.90	57.29	3.878			
8,000.00	7,988.00	8,091.07	7,984.95	28.38	30.43	-126.68	134.61	192.78	227.09	169.79	57.31	3.963			
8,100.00	8,087.63	8,187.44	8,080.29	28.75	30.63	-131.74	130.09	179.47	233.78	176.58	57.20	4.087			
8,200.00	8,187.27	8,282.88	8,174.62	29.12	30.82	-136.54	126.07	165.55	243.07	186.05	57.02	4.263			
8,300.00	8,286.90	8,379.90	8,270.41	29.49	31.03	-141.17	122.13	150.67	254.61	197.77	56.84	4.479			
8,400.00	8,386.54	8,476.99	8,366.12	29.86	31.24	-145.61	117.55	135.02	267.74	211.09	56.65	4.726			
8,500.00	8,486.17	8,572.97	8,460.62	30.23	31.46	-149.70	112.72	118.98	282.54	226.05	56.48	5.002			
8,600.00	8,585.81	8,668.72	8,554.88	30.60	31.68	-153.39	108.13	102.73	299.03	242.64	56.39	5.303			
8,700.00	8,685.44	8,768.46	8,653.11	30.97	31.91	-156.77	103.39	86.17	316.40	259.97	56.43	5.607			
8,800.00	8,785.07	8,868.42	8,751.75	31.34	32.14	-159.71	98.46	70.70	333.71	277.14	56.57	5.899			
8,900.00	8,884.71	8,961.88	8,843.97	31.71	32.37	-162.17	94.06	56.18	351.92	295.22	56.70	6.207			
9,000.00	8,984.34	9,055.23	8,935.96	32.08	32.60	-164.40	90.12	40.80	371.79	314.92	56.88	6.537			
9,100.00	9,083.98	9,152.16	9,031.43	32.45	32.84	-166.48	86.31	24.48	392.64	335.47	57.17	6.868			
9,200.00	9,183.61	9,249.33	9,127.16	32.83	33.09	-168.34	82.59	8.22	413.91	356.39	57.51	7.197			
9,300.00	9,283.25	9,347.69	9,224.12	33.20	33.35	-169.98	79.11	-7.86	435.33	377.40	57.93	7.515			
9,400.00	9,382.88	9,446.61	9,321.75	33.57	33.60	-171.40	75.97	-23.50	456.70	398.31	58.39	7.821			
9,500.00	9,482.51	9,546.56	9,420.45	33.94	33.87	-172.72	72.50	-38.87	477.81	418.92	58.90	8.113			
9,546.36	9,528.71	9,592.95	9,466.28	34.12	33.99	-173.30	70.69	-45.87	487.48	428.35	59.13	8.244			
9,600.00	9,582.18	9,651.84	9,524.50	34.32	34.14	-174.02	68.31	-54.36	498.00	438.52	59.48	8.373			
9,700.00	9,682.01	9,766.17	9,637.93	34.68	34.43	-175.15	63.85	-67.92	513.47	453.29	60.17	8.533			
9,800.00	9,781.95	9,871.23	9,742.46	35.04	34.69	-176.00	59.63	-77.58	523.91	463.13	60.78	8.619			
9,873.10	9,855.05	9,935.00	9,805.69	35.29	34.85	-71.01	54.86	-84.31	530.16	469.08	61.08	8.680			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 W1KN Fed Com - 1H - OH - OH													Offset Site Error:	0.00 usft
Survey Program:		100-GYRO-MWD, 4396-MWD						Rule Assigned:				Offset Well Error:	0.00 usft	
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,900.00	9,881.94	9,955.29	9,825.68	35.39	34.90	-63.67	52.67	-86.98	532.35	471.21	61.14	8.706		
9,950.00	9,931.72	9,984.27	9,853.92	35.55	34.99	-64.14	48.52	-91.94	536.44	475.34	61.10	8.780		
10,000.00	9,980.91	10,014.22	9,882.59	35.71	35.08	-65.02	42.92	-98.53	540.77	479.81	60.96	8.871		
10,050.00	10,029.15	10,043.31	9,909.83	35.86	35.17	-66.20	35.96	-105.99	545.35	484.62	60.73	8.980		
10,100.00	10,076.06	10,068.48	9,932.76	36.01	35.26	-67.38	28.59	-113.29	550.72	490.33	60.39	9.120		
10,150.00	10,121.29	10,091.00	9,952.77	36.14	35.34	-68.47	21.09	-120.40	557.33	497.35	59.97	9.293		
10,200.00	10,164.50	10,109.84	9,969.17	36.26	35.41	-69.24	14.32	-126.72	565.55	506.04	59.50	9.504		
10,250.00	10,205.35	10,122.00	9,979.62	36.36	35.46	-69.33	9.78	-130.97	575.68	516.74	58.94	9.768		
10,300.00	10,243.53	10,139.13	9,994.17	36.46	35.52	-69.70	3.22	-137.18	587.81	529.19	58.62	10.027		
10,350.00	10,278.76	10,153.00	10,005.83	36.54	35.57	-69.61	-2.19	-142.40	602.06	543.67	58.39	10.311		
10,400.00	10,310.76	10,153.00	10,005.83	36.60	35.57	-68.00	-2.19	-142.40	618.36	560.45	57.91	10.677		
10,450.00	10,339.29	10,163.02	10,014.16	36.66	35.61	-67.15	-6.17	-146.27	636.55	578.56	57.98	10.978		
10,500.00	10,364.14	10,165.92	10,016.56	36.70	35.63	-65.44	-7.35	-147.41	656.50	598.46	58.04	11.312		
10,550.00	10,385.12	10,166.62	10,017.14	36.76	35.63	-63.36	-7.64	-147.69	677.94	619.70	58.24	11.641		
10,600.00	10,402.06	10,165.33	10,016.07	36.90	35.62	-61.00	-7.11	-147.18	700.59	642.02	58.57	11.961		
10,650.00	10,414.83	10,162.20	10,013.48	37.05	35.61	-58.41	-5.84	-145.95	724.15	665.13	59.02	12.269		
10,700.00	10,423.35	10,153.00	10,005.83	37.22	35.57	-55.30	-2.19	-142.40	748.36	688.92	59.43	12.592		
10,750.00	10,427.54	10,153.00	10,005.83	37.39	35.57	-53.03	-2.19	-142.40	772.82	712.54	60.28	12.820		
10,770.60	10,428.00	10,153.00	10,005.83	37.46	35.57	-52.10	-2.19	-142.40	782.96	722.30	60.66	12.908		
10,800.00	10,428.13	10,142.11	9,996.69	37.57	35.53	-51.15	2.07	-138.29	797.77	736.90	60.86	13.108		
10,900.00	10,428.57	10,122.00	9,979.62	37.97	35.46	-49.17	9.78	-130.97	854.18	792.11	62.07	13.761		
11,000.00	10,429.00	10,109.78	9,969.12	38.44	35.41	-47.69	14.35	-126.70	918.42	855.03	63.39	14.488		
11,100.00	10,429.44	10,091.00	9,952.77	38.97	35.34	-45.61	21.09	-120.40	989.07	924.70	64.37	15.365		

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 W1KN Fed Com - 2H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 100-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.00	0.00	-0.58	236.90	-2.40	236.91				
100.00	100.00	101.05	101.05	0.13	0.13	-0.56	236.89	-2.32	236.90	236.64	0.26	905.072	
200.00	200.00	201.49	201.49	0.49	0.48	-0.58	236.77	-2.41	236.78	235.81	0.97	244.162	
240.26	240.26	241.26	241.26	0.63	0.62	-0.61	236.73	-2.53	236.74	235.49	1.25	189.044 CC	
300.00	300.00	300.28	300.28	0.85	0.83	-0.66	236.82	-2.72	236.83	235.16	1.67	141.675	
400.00	400.00	401.15	401.15	1.20	1.18	-0.69	236.93	-2.86	236.95	234.57	2.38	99.446	
416.33	416.33	417.33	417.33	1.26	1.23	-0.69	236.93	-2.87	236.95	234.45	2.50	94.858	
500.00	500.00	500.27	500.27	1.56	1.53	-0.76	237.06	-3.13	237.08	233.99	3.09	76.769	
600.00	600.00	599.46	599.46	1.92	1.87	-0.72	237.18	-3.00	237.20	233.41	3.79	62.547	
700.00	700.00	697.77	697.76	2.28	2.21	-0.59	238.38	-2.47	238.41	233.92	4.49	53.065	
800.00	800.00	798.60	798.58	2.64	2.57	-0.32	239.39	-1.32	239.41	234.21	5.20	46.014	
900.00	900.00	896.59	896.55	3.00	2.91	-0.23	240.77	-0.95	240.81	234.91	5.90	40.783	
1,000.00	1,000.00	995.18	995.12	3.36	3.26	-0.20	242.98	-0.84	243.05	236.44	6.61	36.771	
1,100.00	1,100.00	1,095.26	1,095.17	3.71	3.61	-0.26	245.42	-1.13	245.49	238.17	7.32	33.528	
1,200.00	1,200.00	1,195.01	1,194.89	4.07	3.96	-0.46	247.77	-1.98	247.85	239.82	8.03	30.855	
1,300.00	1,300.00	1,294.01	1,293.82	4.43	4.31	-1.01	250.36	-4.40	250.50	241.76	8.74	28.658	
1,400.00	1,400.00	1,392.79	1,392.49	4.79	4.67	-1.82	253.33	-8.07	253.60	244.16	9.45	26.841	
1,500.00	1,500.00	1,495.18	1,494.74	5.15	5.03	-2.81	256.27	-12.57	256.66	246.48	10.17	25.233	
1,600.00	1,600.00	1,598.66	1,598.13	5.51	5.40	-3.69	257.88	-16.63	258.43	247.53	10.90	23.713	
1,700.00	1,700.00	1,702.28	1,701.64	5.86	5.76	-4.68	257.99	-21.13	258.86	247.23	11.62	22.270	
1,800.00	1,800.00	1,805.56	1,804.74	6.22	6.13	-6.02	256.52	-27.06	257.97	245.63	12.35	20.895	
1,900.00	1,900.00	1,908.05	1,907.01	6.58	6.49	-7.43	253.85	-33.12	256.08	243.01	13.07	19.599	
2,000.00	2,000.00	2,009.37	2,008.13	6.94	6.85	-8.77	250.29	-38.59	253.35	239.57	13.78	18.384	
2,100.00	2,100.00	2,108.73	2,107.35	7.30	7.20	-9.81	246.94	-42.68	250.68	236.19	14.49	17.299	
2,200.00	2,200.00	2,207.19	2,205.73	7.66	7.55	-10.54	244.13	-45.43	248.37	233.17	15.20	16.340	
2,300.00	2,300.00	2,304.65	2,303.13	8.02	7.89	-11.20	242.27	-47.97	246.98	231.08	15.91	15.528	
2,396.88	2,396.88	2,399.43	2,397.88	8.36	8.23	-11.81	241.37	-50.47	246.59	230.00	16.59	14.863	
2,400.00	2,400.00	2,402.49	2,400.94	8.37	8.24	-11.83	241.36	-50.55	246.59	229.98	16.61	14.843	
2,500.00	2,500.00	2,500.60	2,499.01	8.73	8.59	-12.43	241.21	-53.15	247.01	229.69	17.32	14.260	
2,600.00	2,600.00	2,600.39	2,598.76	9.09	8.95	-13.06	241.54	-56.03	247.96	229.93	18.04	13.746	
2,700.00	2,700.00	2,700.85	2,699.14	9.45	9.31	-13.90	241.49	-59.78	248.79	230.03	18.76	13.263	
2,800.00	2,800.00	2,802.54	2,800.76	9.81	9.67	-14.82	240.96	-63.76	249.25	229.77	19.48	12.794	
2,900.00	2,900.00	2,904.41	2,902.58	10.17	10.04	-15.53	239.86	-66.68	248.96	228.76	20.20	12.322	
3,000.00	3,000.00	3,003.35	3,001.48	10.52	10.39	-16.13	238.76	-69.05	248.55	227.63	20.92	11.883	
3,043.93	3,043.93	3,046.81	3,044.93	10.68	10.55	-16.39	238.40	-70.12	248.50	227.27	21.23	11.705	
3,100.00	3,100.00	3,102.41	3,100.51	10.88	10.75	-16.72	238.05	-71.53	248.57	226.94	21.63	11.492	
3,200.00	3,200.00	3,202.15	3,200.19	11.24	11.11	-17.47	237.35	-74.68	248.83	226.48	22.35	11.134	
3,300.00	3,300.00	3,301.87	3,299.83	11.60	11.47	-18.43	236.44	-78.79	249.23	226.16	23.07	10.805	
3,400.00	3,400.00	3,401.71	3,399.56	11.96	11.83	-19.50	235.43	-83.35	249.75	225.96	23.79	10.500	
3,500.00	3,500.00	3,501.53	3,499.26	12.32	12.19	-20.61	234.36	-88.14	250.39	225.88	24.51	10.217 ES	
3,600.00	3,600.00	3,601.36	3,598.97	12.68	12.55	-21.71	233.33	-92.88	251.14	225.91	25.23	9.955	
3,700.00	3,700.00	3,701.02	3,698.52	13.03	12.92	-22.76	232.39	-97.49	252.02	226.07	25.95	9.713	
3,800.00	3,800.00	3,800.54	3,797.94	13.39	13.28	-23.74	231.68	-101.91	253.12	226.45	26.67	9.492	
3,900.00	3,900.00	3,900.31	3,897.61	13.75	13.64	-24.71	231.09	-106.33	254.40	227.02	27.39	9.289	
4,000.00	4,000.00	4,000.12	3,997.30	14.11	14.00	-25.78	230.30	-111.24	255.79	227.68	28.11	9.100	
4,100.00	4,100.00	4,099.42	4,096.46	14.47	14.37	-26.91	229.47	-116.49	257.38	228.56	28.83	8.929	
4,200.00	4,200.00	4,198.63	4,195.52	14.83	14.73	-28.03	228.86	-121.82	259.32	229.78	29.55	8.777	
4,300.00	4,300.00	4,298.58	4,295.31	15.18	15.10	-29.19	228.10	-127.41	261.34	231.07	30.27	8.634	
4,400.00	4,400.00	4,396.11	4,392.65	15.54	15.45	-30.37	227.66	-133.42	264.01	233.03	30.98	8.523	
4,500.00	4,500.00	4,493.20	4,489.50	15.90	15.81	-31.61	227.80	-140.20	267.73	236.05	31.68	8.450 SF	
4,600.00	4,599.99	4,590.10	4,586.09	16.25	16.17	-33.78	228.48	-147.96	273.59	241.22	32.37	8.452	
4,700.00	4,699.91	4,690.02	4,685.63	16.59	16.54	-36.02	229.17	-156.59	282.01	248.93	33.07	8.527	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller 13 24 W1KN Fed Com - 2H - OH - OH														Offset Site Error: 0.00 usft
Survey Program: 100-MWD														Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.00	4,799.69	4,789.53	4,784.75	16.92	16.92	-142.75	229.35	-165.48	292.57	258.79	33.77	8.662		
4,826.74	4,826.34	4,816.09	4,811.19	17.02	17.02	-143.36	229.30	-167.92	295.78	261.81	33.96	8.709		
4,900.00	4,899.33	4,888.74	4,883.52	17.27	17.29	-145.13	228.89	-174.77	304.87	270.39	34.47	8.843		
5,000.00	4,998.97	4,987.96	4,982.25	17.61	17.67	-147.51	227.73	-184.53	317.53	282.36	35.17	9.027		
5,100.00	5,098.60	5,087.59	5,081.38	17.95	18.04	-149.77	226.11	-194.31	330.36	294.48	35.88	9.208		
5,200.00	5,198.24	5,187.37	5,180.69	18.30	18.42	-151.86	224.22	-203.83	343.28	306.69	36.58	9.384		
5,300.00	5,297.87	5,287.56	5,280.51	18.65	18.80	-153.64	222.78	-212.37	356.15	318.86	37.29	9.551		
5,400.00	5,397.51	5,388.07	5,380.74	18.99	19.17	-155.13	221.81	-219.86	368.83	330.83	38.00	9.706		
5,500.00	5,497.14	5,488.74	5,481.15	19.34	19.55	-156.49	220.70	-226.85	381.24	342.54	38.71	9.849		
5,600.00	5,596.77	5,587.62	5,579.81	19.70	19.92	-157.73	219.49	-233.42	393.55	354.14	39.40	9.987		
5,700.00	5,696.41	5,685.78	5,677.74	20.05	20.28	-158.89	218.40	-240.04	406.17	366.07	40.10	10.130		
5,800.00	5,796.04	5,784.03	5,775.76	20.40	20.65	-159.95	217.52	-246.72	419.12	378.32	40.79	10.275		
5,900.00	5,895.68	5,882.32	5,873.82	20.76	21.01	-160.91	216.98	-253.33	432.33	390.84	41.49	10.421		
6,000.00	5,995.31	5,982.90	5,974.19	21.11	21.39	-161.79	216.63	-259.82	445.54	403.35	42.20	10.559		
6,100.00	6,094.95	6,083.15	6,074.26	21.47	21.76	-162.59	216.24	-265.82	458.44	415.54	42.90	10.685		
6,200.00	6,194.58	6,176.76	6,167.67	21.83	22.11	-163.31	216.03	-271.87	471.91	428.34	43.57	10.832		
6,300.00	6,294.22	6,270.63	6,261.27	22.18	22.46	-164.03	216.07	-279.03	486.57	442.34	44.23	11.001		
6,400.00	6,393.85	6,369.38	6,359.69	22.54	22.83	-164.79	216.06	-287.10	501.75	456.82	44.93	11.167		
6,500.00	6,493.48	6,469.17	6,459.14	22.90	23.20	-165.54	215.78	-295.36	516.97	471.33	45.64	11.327		
6,600.00	6,593.12	6,573.17	6,562.84	23.26	23.59	-166.25	215.37	-303.21	531.59	485.21	46.38	11.461		
6,700.00	6,692.75	6,675.45	6,664.90	23.63	23.98	-166.87	214.87	-309.89	545.35	498.24	47.11	11.576		
6,800.00	6,792.39	6,775.04	6,764.29	23.99	24.35	-167.44	214.17	-316.22	558.90	511.08	47.82	11.688		
6,900.00	6,892.02	6,874.99	6,864.03	24.35	24.72	-168.01	213.28	-322.51	572.37	523.84	48.53	11.795		
7,000.00	6,991.66	6,975.30	6,964.17	24.71	25.09	-168.53	212.49	-328.52	585.68	536.44	49.24	11.894		
7,100.00	7,091.29	7,074.60	7,063.30	25.08	25.45	-168.98	212.05	-334.12	598.86	548.91	49.94	11.990		
7,200.00	7,190.92	7,173.48	7,162.05	25.44	25.82	-169.31	212.48	-339.28	612.08	561.43	50.65	12.085		
7,300.00	7,290.56	7,281.16	7,269.62	25.81	26.20	-169.51	214.14	-343.63	624.78	573.39	51.39	12.157		
7,400.00	7,390.19	7,388.88	7,377.27	26.17	26.58	-169.47	217.35	-345.30	635.87	583.73	52.13	12.197		
7,500.00	7,489.83	7,481.25	7,469.59	26.54	26.90	-169.40	220.50	-346.57	646.99	594.20	52.79	12.255		
7,600.00	7,589.46	7,574.29	7,562.55	26.91	27.22	-169.39	223.43	-349.09	659.19	605.74	53.45	12.332		
7,700.00	7,689.10	7,674.28	7,662.44	27.27	27.58	-169.47	225.85	-352.55	671.74	617.58	54.16	12.403		
7,800.00	7,788.73	7,773.64	7,761.72	27.64	27.94	-169.64	227.22	-356.38	684.20	629.33	54.87	12.471		
7,900.00	7,888.36	7,871.21	7,859.20	28.01	28.30	-169.88	227.79	-360.67	696.79	641.23	55.56	12.541		
8,000.00	7,988.00	7,972.14	7,960.00	28.38	28.66	-170.18	227.72	-365.59	709.55	653.27	56.28	12.608		
8,100.00	8,087.63	8,079.24	8,067.01	28.75	29.05	-170.50	227.18	-370.04	721.50	664.47	57.03	12.651		
8,200.00	8,187.27	8,185.01	8,172.72	29.12	29.43	-170.78	226.38	-373.35	732.43	674.67	57.77	12.679		
8,300.00	8,286.90	8,290.04	8,277.73	29.49	29.81	-171.01	225.79	-375.65	742.61	684.11	58.50	12.694		
8,400.00	8,386.54	8,386.39	8,374.06	29.86	30.15	-171.18	225.62	-377.30	752.54	693.34	59.19	12.713		
8,500.00	8,486.17	8,481.06	8,468.71	30.23	30.49	-171.30	226.08	-379.28	763.08	703.20	59.88	12.743		
8,600.00	8,585.81	8,590.15	8,577.78	30.60	30.87	-171.43	226.60	-381.31	773.42	712.79	60.63	12.757		
8,700.00	8,685.44	8,701.00	8,688.62	30.97	31.26	-171.60	225.96	-382.11	782.29	720.92	61.37	12.748		
8,800.00	8,785.07	8,810.48	8,798.09	31.34	31.62	-171.80	224.31	-381.77	789.85	727.76	62.09	12.722		
8,900.00	8,884.71	8,913.01	8,900.58	31.71	31.97	-172.02	221.93	-380.68	796.40	733.61	62.78	12.685		
9,000.00	8,984.34	9,008.70	8,996.24	32.08	32.28	-172.25	219.30	-380.15	803.26	739.79	63.47	12.656		
9,100.00	9,083.98	9,108.29	9,095.78	32.45	32.62	-172.54	216.19	-380.15	810.49	746.33	64.16	12.632		
9,200.00	9,183.61	9,211.06	9,198.48	32.83	32.96	-172.85	212.57	-380.00	817.46	752.59	64.86	12.603		
9,300.00	9,283.25	9,309.56	9,296.91	33.20	33.30	-173.14	208.96	-379.71	824.26	758.70	65.56	12.573		
9,400.00	9,382.88	9,406.61	9,393.92	33.57	33.62	-173.40	205.94	-379.52	831.38	765.13	66.25	12.550		
9,500.00	9,482.51	9,500.31	9,487.59	33.94	33.95	-173.62	203.51	-379.62	838.99	772.06	66.93	12.535		
9,546.36	9,528.71	9,543.39	9,530.65	34.12	34.09	-173.72	202.49	-379.89	842.79	775.54	67.24	12.533		
9,600.00	9,582.18	9,593.22	9,580.47	34.32	34.27	-173.84	201.39	-380.39	847.02	779.42	67.61	12.528		
9,700.00	9,682.01	9,690.75	9,677.97	34.68	34.61	-174.05	199.38	-381.73	853.33	785.03	68.31	12.493		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company
Project: Eddy Co., NM (NAD 83)
Reference Site: Fuller Pad
Site Error: 0.00 usft
Reference Well: Fuller 13/12 W1GB Fed Com 2Y
Well Error: 0.00 usft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Fuller 13/12 W1GB Fed Com 2Y
TVD Reference: KB=28' @ 3030.00usft (Patterson 562)
MD Reference: KB=28' @ 3030.00usft (Patterson 562)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

Offset Design: Fuller 13 24 W1KN Fed Com - 2H - OH - OH													Offset Site Error:	0.00 usft
Survey Program:		100-MWD							Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,800.00	9,781.95	9,789.39	9,776.58	35.04	34.95	-174.24	197.31	-383.25	857.20	788.20	69.01	12.422		
9,873.10	9,855.05	9,862.80	9,849.96	35.29	35.21	-68.64	195.66	-384.47	858.43	788.91	69.52	12.347		
9,900.00	9,881.94	9,889.84	9,876.98	35.39	35.31	-61.25	194.99	-384.94	858.32	788.61	69.71	12.312		
9,950.00	9,931.72	9,939.79	9,926.91	35.55	35.49	-61.77	193.66	-385.82	856.50	786.44	70.06	12.225		
10,000.00	9,980.91	9,990.21	9,977.31	35.71	35.66	-62.76	192.19	-386.73	852.66	782.26	70.40	12.111		
10,050.00	10,029.15	10,076.40	10,063.28	35.86	35.96	-65.09	186.97	-387.33	846.12	775.29	70.83	11.946		
10,100.00	10,076.06	10,174.88	10,159.72	36.01	36.30	-69.44	167.60	-385.95	834.86	763.75	71.11	11.740		
10,150.00	10,121.29	10,250.36	10,230.61	36.14	36.54	-74.44	141.94	-384.19	821.21	749.89	71.32	11.515		
10,200.00	10,164.50	10,295.73	10,271.46	36.26	36.69	-78.57	122.25	-382.86	807.04	735.43	71.61	11.270		
10,250.00	10,205.35	10,320.69	10,293.32	36.36	36.76	-81.57	110.24	-382.12	793.81	721.85	71.96	11.032		
10,300.00	10,243.53	10,345.25	10,314.59	36.46	36.84	-84.46	97.97	-381.38	782.38	710.11	72.27	10.826		
10,350.00	10,278.76	10,369.91	10,335.61	36.54	36.92	-87.19	85.12	-380.33	773.08	700.54	72.55	10.657		
10,400.00	10,310.76	10,377.35	10,341.86	36.60	36.94	-88.41	81.10	-379.97	766.53	693.75	72.79	10.531		
10,450.00	10,339.29	10,379.18	10,343.39	36.66	36.94	-88.90	80.10	-379.87	763.05	690.09	72.96	10.459		
10,479.88	10,354.60	10,377.68	10,342.14	36.68	36.94	-88.84	80.92	-379.95	762.48	689.47	73.02	10.443		
10,500.00	10,364.14	10,375.77	10,340.54	36.70	36.93	-88.67	81.95	-380.05	762.74	689.70	73.04	10.443		
10,550.00	10,385.12	10,369.89	10,335.59	36.76	36.91	-87.95	85.13	-380.34	765.55	692.50	73.05	10.479		
10,600.00	10,402.06	10,355.99	10,323.79	36.90	36.87	-86.35	92.44	-380.97	771.33	698.37	72.96	10.572		
10,650.00	10,414.83	10,338.87	10,309.09	37.05	36.82	-84.27	101.21	-381.60	779.76	706.96	72.80	10.710		
10,700.00	10,423.35	10,323.45	10,295.73	37.22	36.77	-82.09	108.88	-382.04	790.51	717.86	72.66	10.880		
10,750.00	10,427.54	10,307.66	10,281.94	37.39	36.72	-79.72	116.57	-382.50	803.31	730.79	72.52	11.077		
10,770.60	10,428.00	10,301.00	10,276.10	37.46	36.70	-78.70	119.76	-382.70	809.09	736.62	72.47	11.165		
10,800.00	10,428.13	10,292.21	10,268.34	37.57	36.67	-78.11	123.89	-382.97	818.01	745.59	72.41	11.296		
10,900.00	10,428.57	10,270.00	10,248.48	37.97	36.60	-76.58	133.80	-383.63	855.34	782.99	72.35	11.822		
11,000.00	10,429.00	10,239.00	10,220.17	38.44	36.51	-74.41	146.37	-384.50	902.61	830.43	72.18	12.505		
11,100.00	10,429.44	10,225.29	10,207.44	38.97	36.46	-73.32	151.47	-384.85	958.50	886.22	72.28	13.261		

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1FC Fed Com 1H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 90-GYRO-NS, 934-MWD + HDGM													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre	+N-S (usft)	+E-W (usft)	Distance	Rule Assigned:	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-93.18		-5.80	-104.50	104.66			
100.00	100.00	99.91	99.91	0.13	0.19	-93.23		-5.90	-104.51	104.68	104.37	0.31	333.289
200.00	200.00	199.72	199.72	0.49	0.51	-93.46		-6.33	-104.70	104.89	103.90	1.00	105.101
300.00	300.00	299.63	299.62	0.85	0.86	-93.88		-7.11	-104.93	105.18	103.47	1.70	61.817
400.00	400.00	399.82	399.81	1.20	1.21	-94.43		-8.15	-105.07	105.38	102.98	2.41	43.761
500.00	500.00	500.40	500.38	1.56	1.56	-94.87		-8.93	-104.90	105.29	102.17	3.12	33.783
600.00	600.00	600.88	600.86	1.92	1.91	-95.49		-10.00	-104.05	104.54	100.71	3.83	27.327
700.00	700.00	700.47	700.44	2.28	2.26	-96.23		-11.27	-103.22	103.83	99.30	4.53	22.915
800.00	800.00	800.52	800.48	2.64	2.50	-96.58		-11.82	-102.43	103.11	97.98	5.13	20.119
860.73	860.73	860.77	860.73	2.86	2.61	-96.66		-11.94	-102.27	102.97	97.51	5.46	18.875 CC
900.00	900.00	899.73	899.69	3.00	2.68	-96.66		-11.94	-102.33	103.03	97.36	5.67	18.175 ES
1,000.00	1,000.00	997.79	997.74	3.36	2.79	-96.45		-11.68	-103.31	103.99	97.85	6.13	16.952
1,100.00	1,100.00	1,094.45	1,094.33	3.71	2.88	-96.11		-11.46	-106.96	107.72	101.14	6.58	16.365
1,200.00	1,200.00	1,191.52	1,191.18	4.07	3.02	-96.01		-11.94	-113.40	114.37	107.30	7.07	16.186
1,300.00	1,300.00	1,289.10	1,288.40	4.43	3.19	-96.17		-13.15	-121.69	122.95	115.36	7.58	16.215
1,400.00	1,400.00	1,387.24	1,386.03	4.79	3.40	-96.36		-14.65	-131.51	133.05	124.92	8.13	16.363
1,500.00	1,500.00	1,487.04	1,485.28	5.15	3.64	-96.49		-16.15	-141.91	143.58	134.86	8.72	16.473
1,600.00	1,600.00	1,587.97	1,585.72	5.51	3.90	-96.62		-17.61	-151.71	153.39	144.06	9.33	16.442
1,700.00	1,700.00	1,686.03	1,683.33	5.86	4.18	-96.81		-19.21	-160.96	162.96	153.02	9.94	16.393
1,800.00	1,800.00	1,783.93	1,780.66	6.22	4.47	-96.92		-20.79	-171.35	173.69	163.12	10.57	16.438
1,900.00	1,900.00	1,885.38	1,881.53	6.58	4.79	-97.06		-22.55	-182.08	184.40	173.17	11.23	16.424
2,000.00	2,000.00	1,987.09	1,982.79	6.94	5.11	-97.28		-24.46	-191.50	193.82	181.92	11.90	16.289
2,100.00	2,100.00	2,085.44	2,080.72	7.30	5.43	-97.51		-26.40	-200.32	202.97	190.42	12.56	16.166
2,200.00	2,200.00	2,182.39	2,177.15	7.66	5.76	-97.77		-28.65	-210.02	213.19	199.98	13.21	16.138
2,300.00	2,300.00	2,284.42	2,278.65	8.02	6.11	-98.04		-31.11	-220.12	223.33	209.43	13.91	16.061
2,400.00	2,400.00	2,385.57	2,379.38	8.37	6.45	-98.29		-33.35	-229.00	232.34	217.74	14.60	15.916
2,500.00	2,500.00	2,483.29	2,476.67	8.73	6.79	-98.37		-35.03	-238.01	241.71	226.43	15.27	15.827
2,600.00	2,600.00	2,582.24	2,575.16	9.09	7.14	-98.33		-36.24	-247.52	251.39	235.44	15.96	15.754
2,700.00	2,700.00	2,680.04	2,672.45	9.45	7.49	-98.37		-37.87	-257.39	261.62	244.98	16.64	15.724
2,800.00	2,800.00	2,780.10	2,771.94	9.81	7.85	-98.47		-39.87	-267.86	272.27	254.93	17.34	15.704
2,900.00	2,900.00	2,881.33	2,872.67	10.17	8.22	-98.63		-42.11	-277.58	282.08	264.03	18.05	15.630
3,000.00	3,000.00	2,978.90	2,969.76	10.52	8.57	-98.82		-44.55	-286.97	291.98	273.24	18.73	15.586
3,100.00	3,100.00	3,078.81	3,069.11	10.88	8.94	-98.94		-46.75	-297.30	302.54	283.10	19.44	15.565
3,200.00	3,200.00	3,182.52	3,172.35	11.24	9.32	-98.98		-48.53	-307.07	312.11	291.94	20.17	15.476
3,300.00	3,300.00	3,283.32	3,272.78	11.60	9.68	-99.10		-50.52	-315.40	320.58	299.70	20.88	15.355
3,400.00	3,400.00	3,380.73	3,369.81	11.96	10.04	-99.18		-52.34	-323.82	329.41	307.84	21.57	15.273
3,500.00	3,500.00	3,480.88	3,469.54	12.32	10.41	-99.15		-53.62	-332.79	338.45	316.18	22.28	15.192
3,600.00	3,600.00	3,577.10	3,565.32	12.68	10.76	-98.95		-53.85	-342.00	347.95	324.99	22.96	15.153
3,700.00	3,700.00	3,674.50	3,662.19	13.03	11.12	-98.73		-54.08	-352.13	358.26	334.60	23.66	15.144
3,800.00	3,800.00	3,774.95	3,762.09	13.39	11.50	-98.76		-55.86	-362.47	368.70	344.33	24.37	15.128
3,900.00	3,900.00	3,876.17	3,862.78	13.75	11.88	-99.09		-59.52	-372.15	378.71	353.62	25.09	15.092
4,000.00	4,000.00	3,976.17	3,962.27	14.11	12.25	-99.48		-63.66	-381.37	388.48	362.67	25.81	15.054
4,100.00	4,100.00	4,076.34	4,061.96	14.47	12.63	-99.71		-66.85	-390.63	398.13	371.60	26.52	15.012
4,200.00	4,200.00	4,175.41	4,160.58	14.83	13.00	-99.78		-68.91	-399.83	407.64	380.41	27.23	14.970
4,300.00	4,300.00	4,274.94	4,259.62	15.18	13.37	-99.74		-70.29	-409.54	417.49	389.54	27.94	14.941
4,400.00	4,400.00	4,374.83	4,359.07	15.54	13.75	-99.74		-71.91	-418.84	426.93	398.28	28.66	14.899
4,500.00	4,500.00	4,472.72	4,456.48	15.90	14.11	-99.71		-73.32	-428.36	436.77	407.41	29.36	14.877
4,600.00	4,599.99	4,572.40	4,555.67	16.25	14.49	-99.57		-74.83	-438.20	447.92	417.86	30.06	14.900
4,700.00	4,699.91	4,670.27	4,653.06	16.59	14.86	-99.49		-76.47	-447.78	461.38	430.64	30.74	15.008
4,800.00	4,799.69	4,768.93	4,751.19	16.92	15.23	-99.40		-78.35	-457.71	477.50	446.07	31.43	15.192
4,826.74	4,826.34	4,795.58	4,777.70	17.02	15.34	-99.46		-78.93	-460.35	482.18	450.56	31.62	15.250
4,900.00	4,899.33	4,867.90	4,849.65	17.27	15.61	-99.46		-80.52	-467.47	495.18	463.06	32.12	15.415

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1FC Fed Com 1H - OH - OH													Offset Site Error:	0.00 usft
Survey Program:		90-GYRO-NS, 934-MWD + HDGM					Rule Assigned:				Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
5,000.00	4,998.97	4,966.62	4,947.88	17.61	15.98	155.57	-82.43	-477.16	512.89	480.07	32.82	15.629		
5,100.00	5,098.60	5,063.48	5,044.25	17.95	16.35	155.92	-84.10	-486.77	530.69	497.19	33.50	15.844		
5,200.00	5,198.24	5,162.99	5,143.23	18.30	16.73	156.21	-86.34	-496.69	548.62	514.43	34.20	16.044		
5,300.00	5,297.87	5,262.18	5,241.93	18.65	17.11	156.45	-88.74	-506.32	566.33	531.43	34.89	16.230		
5,400.00	5,397.51	5,357.90	5,337.15	18.99	17.47	156.64	-91.32	-515.71	584.19	548.62	35.57	16.424		
5,500.00	5,497.14	5,457.02	5,435.73	19.34	17.85	156.82	-94.21	-525.62	602.26	565.99	36.27	16.605		
5,600.00	5,596.77	5,557.15	5,535.34	19.70	18.23	156.98	-97.10	-535.40	620.10	583.13	36.98	16.769		
5,700.00	5,696.41	5,655.26	5,632.96	20.05	18.61	157.15	-99.72	-544.89	637.84	600.17	37.67	16.930		
5,800.00	5,796.04	5,753.50	5,730.69	20.40	18.98	157.29	-102.60	-554.41	655.63	617.25	38.37	17.086		
5,900.00	5,895.68	5,852.82	5,829.51	20.76	19.36	157.42	-105.47	-563.95	673.33	634.26	39.08	17.231		
6,000.00	5,995.31	5,950.73	5,926.93	21.11	19.73	157.58	-107.96	-573.38	691.02	651.24	39.77	17.374		
6,100.00	6,094.95	6,048.45	6,024.16	21.47	20.11	157.71	-110.66	-582.88	708.83	668.36	40.47	17.515		
6,200.00	6,194.58	6,147.43	6,122.64	21.83	20.48	157.85	-113.14	-592.48	726.59	685.41	41.18	17.646		
6,300.00	6,294.22	6,246.78	6,221.49	22.18	20.86	158.03	-115.11	-602.19	744.38	702.49	41.88	17.772		
6,400.00	6,393.85	6,358.22	6,332.46	22.54	21.28	158.33	-115.82	-612.39	761.46	718.80	42.66	17.848		
6,500.00	6,493.48	6,496.28	6,470.18	22.90	21.77	159.02	-111.76	-620.78	775.27	731.74	43.54	17.808		
6,600.00	6,593.12	6,615.49	6,589.24	23.26	22.16	159.69	-106.37	-623.00	784.69	740.42	44.27	17.724		
6,700.00	6,692.75	6,711.82	6,685.44	23.63	22.46	160.27	-101.29	-623.98	793.35	748.40	44.95	17.651		
6,800.00	6,792.39	6,803.12	6,776.54	23.99	22.76	160.87	-95.64	-625.65	802.84	757.23	45.61	17.603		
6,900.00	6,892.02	6,894.14	6,867.34	24.35	23.06	161.47	-89.93	-628.25	813.46	767.19	46.27	17.581		
7,000.00	6,991.66	6,988.07	6,961.07	24.71	23.38	162.02	-84.76	-631.65	824.94	778.00	46.94	17.574		
7,100.00	7,091.29	7,085.88	7,058.72	25.08	23.71	162.47	-80.89	-635.63	837.00	789.37	47.63	17.572		
7,200.00	7,190.92	7,206.16	7,178.94	25.44	24.13	162.75	-79.95	-639.17	848.13	799.73	48.40	17.523		
7,300.00	7,290.56	7,328.40	7,301.16	25.81	24.52	162.85	-81.59	-638.88	856.02	806.89	49.13	17.422		
7,400.00	7,390.19	7,436.63	7,409.36	26.17	24.85	162.94	-82.95	-636.92	862.41	812.59	49.82	17.312		
7,500.00	7,489.83	7,531.14	7,503.85	26.54	25.13	163.05	-83.54	-634.89	868.46	817.98	50.48	17.204		
7,600.00	7,589.46	7,611.72	7,584.42	26.91	25.39	163.12	-84.52	-634.29	875.95	824.83	51.12	17.134		
7,700.00	7,689.10	7,691.21	7,663.86	27.27	25.65	163.09	-87.05	-635.72	885.96	834.20	51.76	17.118		
7,800.00	7,788.73	7,778.72	7,751.20	27.64	25.96	162.95	-91.42	-638.84	897.77	845.36	52.41	17.130		
7,900.00	7,888.36	7,872.38	7,844.60	28.01	26.29	162.74	-97.16	-642.84	910.33	857.24	53.09	17.147		
8,000.00	7,988.00	7,964.94	7,936.88	28.38	26.63	162.57	-102.31	-647.61	923.76	870.00	53.77	17.181		
8,100.00	8,087.63	8,058.80	8,030.47	28.75	26.97	162.41	-107.39	-652.65	937.42	882.97	54.45	17.217		
8,200.00	8,187.27	8,137.63	8,108.97	29.12	27.26	162.26	-112.04	-658.22	952.76	897.72	55.04	17.310		
8,300.00	8,286.90	8,231.31	8,202.15	29.49	27.61	162.08	-117.82	-666.01	969.36	913.64	55.72	17.397		
8,400.00	8,386.54	8,338.33	8,308.59	29.86	28.01	161.87	-124.55	-674.74	985.85	929.36	56.49	17.453		
16,387.48	10,452.54	16,454.78	10,437.64	106.68	95.83	-89.29	6,058.31	-939.14	1,210.40	1,008.27	202.13	5.988		
16,400.00	10,452.59	16,465.11	10,437.57	106.87	95.97	-89.29	6,068.63	-939.19	1,210.41	1,007.94	202.47	5.978		
16,500.00	10,453.03	16,553.20	10,437.41	108.42	97.15	-89.26	6,156.72	-940.29	1,211.24	1,005.98	205.25	5.901		
16,600.00	10,453.47	16,658.34	10,437.66	109.97	98.58	-89.25	6,261.85	-941.91	1,212.36	1,004.15	208.22	5.823		
16,700.00	10,453.90	16,761.76	10,438.08	111.52	99.98	-89.25	6,365.26	-942.74	1,212.75	1,001.58	211.16	5.743		
16,800.00	10,454.34	16,855.20	10,438.15	113.08	101.25	-89.24	6,458.69	-943.79	1,213.46	999.45	214.01	5.670		
16,900.00	10,454.78	16,946.99	10,438.22	114.64	102.50	-89.22	6,550.47	-945.38	1,214.78	997.94	216.84	5.602		
17,000.00	10,455.21	17,060.56	10,438.47	116.20	104.05	-89.21	6,664.02	-947.56	1,216.34	996.41	219.92	5.531		
17,100.00	10,455.65	17,166.84	10,438.63	117.76	105.77	-89.19	6,790.30	-947.36	1,215.75	992.68	223.08	5.450		
17,200.00	10,456.09	17,299.76	10,438.37	119.33	107.30	-89.16	6,903.20	-945.53	1,213.74	987.66	226.08	5.369		
17,300.00	10,456.52	17,403.67	10,437.53	120.89	108.70	-89.09	7,007.06	-942.54	1,210.44	981.42	229.02	5.285		
17,400.00	10,456.96	17,486.43	10,437.32	122.46	109.82	-89.06	7,089.81	-941.12	1,208.30	976.44	231.85	5.212		
17,500.00	10,457.40	17,588.37	10,437.27	124.03	111.21	-89.04	7,191.75	-940.03	1,206.82	972.02	234.80	5.140		
17,600.00	10,457.83	17,689.20	10,437.28	125.61	112.58	-89.02	7,292.56	-938.27	1,204.66	966.92	237.75	5.067		
17,700.00	10,458.27	17,790.26	10,438.55	127.18	113.96	-89.06	7,393.60	-937.47	1,203.45	962.75	240.70	5.000		
17,800.00	10,458.71	17,882.16	10,436.44	128.76	115.22	-88.93	7,485.45	-935.50	1,201.01	957.42	243.59	4.930		
17,836.57	10,458.87	17,904.16	10,435.70	129.34	115.52	-88.89	7,507.44	-935.45	1,200.79	956.24	244.55	4.910		

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1FC Fed Com 1H - OH - OH													Offset Site Error: 0.00 usft	
Survey Program:		90-GYRO-NS, 934-MWD + HDGM							Rule Assigned:				Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
17,900.00	10,459.14	17,956.70	10,433.87	130.34	116.24	-88.80	7,559.95	-936.19	1,201.41	955.10	246.31	4.878		
18,000.00	10,459.58	18,081.98	10,432.70	131.92	117.97	-88.71	7,685.19	-935.25	1,200.02	950.52	249.50	4.810		
18,087.25	10,459.96	18,155.00	10,436.64	133.30	118.98	-88.89	7,758.10	-935.17	1,199.47	947.50	251.97	4.760		
18,095.93	10,460.00	18,155.00	10,436.64	133.44	118.98	-88.89	7,758.10	-935.17	1,199.50	947.37	252.14	4.757 SF		

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1FC Fed Com 2H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 100-GYRO-NS, 992-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-93.23	-4.20	-74.50	74.62				
100.00	100.00	100.00	100.00	0.13	0.20	-93.50	-4.55	-74.45	74.59	74.26	0.33	226.043	
200.00	200.00	200.00	200.00	0.49	0.51	-94.08	-5.31	-74.42	74.61	73.61	1.00	74.790	
300.00	300.00	300.02	300.01	0.85	0.85	-94.97	-6.46	-74.32	74.60	72.90	1.69	44.013	
382.94	382.94	382.96	382.94	1.14	1.14	-95.94	-7.71	-74.14	74.54	72.26	2.28	32.716	
400.00	400.00	399.91	399.89	1.20	1.20	-96.16	-8.00	-74.12	74.55	72.16	2.40	31.087	
500.00	500.00	499.98	499.93	1.56	1.55	-97.71	-10.02	-73.96	74.63	71.53	3.10	24.040	
600.00	600.00	600.34	600.27	1.92	1.90	-99.35	-12.10	-73.55	74.54	70.73	3.81	19.551	
700.00	700.00	700.53	700.45	2.28	2.25	-100.24	-13.15	-72.79	73.97	69.45	4.52	16.364	
800.00	800.00	800.65	800.57	2.64	2.60	-100.73	-13.66	-72.05	73.33	68.11	5.22	14.039	
887.52	887.52	887.62	887.52	2.95	2.77	-101.91	-15.06	-71.42	72.99	67.28	5.71	12.787	
900.00	900.00	900.02	899.92	3.00	2.79	-102.08	-15.28	-71.38	73.00	67.22	5.78	12.635	
1,000.00	1,000.00	999.42	999.31	3.36	2.98	-103.50	-17.17	-71.52	73.56	67.24	6.32	11.639	
1,100.00	1,100.00	1,099.68	1,099.55	3.71	3.05	-104.83	-19.05	-71.95	74.43	67.68	6.75	11.029	
1,200.00	1,200.00	1,200.10	1,199.96	4.07	3.15	-105.07	-19.42	-72.13	74.70	67.49	7.21	10.360	
1,277.42	1,277.42	1,277.56	1,277.42	4.35	3.26	-104.92	-19.23	-72.16	74.68	67.09	7.59	9.840	
1,300.00	1,300.00	1,300.10	1,299.96	4.43	3.29	-104.92	-19.23	-72.17	74.69	66.98	7.70	9.695	
1,400.00	1,400.00	1,400.05	1,399.91	4.79	3.46	-105.15	-19.55	-72.19	74.79	66.56	8.23	9.088	
1,500.00	1,500.00	1,500.16	1,500.02	5.15	3.65	-105.59	-20.12	-72.09	74.85	66.06	8.79	8.520	
1,600.00	1,600.00	1,600.68	1,600.53	5.51	3.87	-106.14	-20.72	-71.57	74.51	65.15	9.36	7.959	
1,700.00	1,700.00	1,700.76	1,700.61	5.86	4.10	-106.65	-21.12	-70.62	73.71	63.76	9.96	7.404	
1,800.00	1,800.00	1,800.50	1,800.35	6.22	4.35	-107.07	-21.45	-69.85	73.07	62.51	10.57	6.916	
1,900.00	1,900.00	1,900.79	1,900.64	6.58	4.62	-107.62	-21.91	-69.01	72.40	61.21	11.19	6.469	
2,000.00	2,000.00	2,001.23	2,001.07	6.94	4.90	-108.32	-22.39	-67.63	71.24	59.41	11.83	6.022	
2,100.00	2,100.00	2,101.98	2,101.78	7.30	5.19	-109.64	-23.28	-65.21	69.26	56.79	12.48	5.552	
2,200.00	2,200.00	2,202.10	2,201.82	7.66	5.48	-111.74	-24.49	-61.42	66.14	53.01	13.13	5.037	
2,300.00	2,300.00	2,300.92	2,300.60	8.02	5.78	-113.68	-25.95	-59.18	64.62	50.82	13.80	4.684	
2,400.00	2,400.00	2,400.76	2,400.42	8.37	6.09	-115.18	-27.12	-57.68	63.74	49.27	14.46	4.408	
2,500.00	2,500.00	2,500.66	2,500.32	8.73	6.39	-114.85	-26.59	-57.43	63.29	48.17	15.12	4.186	
2,600.00	2,600.00	2,601.17	2,600.82	9.09	6.70	-113.87	-25.28	-57.13	62.48	46.70	15.78	3.959	
2,700.00	2,700.00	2,701.47	2,701.10	9.45	7.01	-113.14	-23.88	-55.88	60.78	44.32	16.45	3.694	
2,800.00	2,800.00	2,801.59	2,801.18	9.81	7.32	-110.76	-20.88	-55.09	58.92	41.80	17.12	3.441	
2,900.00	2,900.00	2,901.20	2,900.74	10.17	7.64	-108.78	-18.39	-54.08	57.13	39.33	17.80	3.209	
3,000.00	3,000.00	3,000.70	3,000.24	10.52	7.97	-109.53	-18.82	-53.05	56.29	37.81	18.49	3.045	
3,037.47	3,037.47	3,037.94	3,037.47	10.66	8.09	-110.24	-19.44	-52.73	56.20	37.46	18.74	2.999 CC	
3,100.00	3,100.00	3,099.99	3,099.52	10.88	8.29	-110.80	-20.05	-52.79	56.47	37.30	19.17	2.946 ES	
3,200.00	3,200.00	3,199.43	3,198.95	11.24	8.61	-110.20	-19.97	-54.27	57.84	38.00	19.84	2.915	
3,300.00	3,300.00	3,299.50	3,298.99	11.60	8.93	-109.26	-19.67	-56.30	59.65	39.13	20.52	2.907	
3,400.00	3,400.00	3,399.66	3,399.14	11.96	9.25	-108.79	-19.71	-57.93	61.19	39.99	21.20	2.886	
3,500.00	3,500.00	3,499.83	3,499.30	12.32	9.58	-108.39	-19.70	-59.26	62.45	40.56	21.89	2.853	
3,600.00	3,600.00	3,599.89	3,599.35	12.68	9.91	-107.94	-19.56	-60.43	63.52	40.94	22.58	2.813	
3,700.00	3,700.00	3,699.88	3,699.34	13.03	10.24	-107.60	-19.51	-61.53	64.55	41.29	23.27	2.775	
3,800.00	3,800.00	3,799.92	3,799.37	13.39	10.57	-107.22	-19.40	-62.60	65.54	41.58	23.96	2.736	
3,900.00	3,900.00	3,899.96	3,899.41	13.75	10.90	-106.88	-19.30	-63.61	66.47	41.82	24.65	2.697	
4,000.00	4,000.00	3,999.46	3,998.90	14.11	11.24	-106.55	-19.22	-64.66	67.46	42.12	25.34	2.662 SF	
4,100.00	4,100.00	4,097.88	4,097.28	14.47	11.57	-106.55	-19.98	-67.24	70.20	44.18	26.02	2.698	
4,200.00	4,200.00	4,196.70	4,195.98	14.83	11.90	-106.78	-21.63	-71.74	75.04	48.34	26.70	2.811	
4,300.00	4,300.00	4,296.32	4,295.45	15.18	12.24	-106.89	-23.38	-76.99	80.59	53.20	27.39	2.942	
4,400.00	4,400.00	4,396.25	4,395.23	15.54	12.59	-106.98	-25.13	-82.29	86.18	58.09	28.09	3.068	
4,500.00	4,500.00	4,496.01	4,494.83	15.90	12.93	-106.98	-26.76	-87.65	91.79	63.00	28.79	3.189	
4,600.00	4,599.99	4,595.94	4,594.60	16.25	13.27	-147.67	-28.34	-92.97	98.44	68.97	29.48	3.340	
4,700.00	4,699.91	4,695.69	4,694.21	16.59	13.62	-148.77	-29.80	-98.15	107.17	77.01	30.16	3.554	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1FC Fed Com 2H - OH - OH													Offset Site Error: 0.00 usft		
Survey Program: 100-GYRO-NS, 992-MWD		Reference Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
4,800.00	4,799.69	4,795.13	4,793.51	16.92	13.97	150.31	-31.24	-103.17	118.05	87.22	30.84	3.828			
4,826.74	4,826.34	4,821.63	4,819.97	17.02	14.06	150.76	-31.65	-104.50	121.36	90.34	31.02	3.913			
4,900.00	4,899.33	4,894.08	4,892.32	17.27	14.31	151.98	-32.79	-108.17	130.72	99.20	31.51	4.148			
5,000.00	4,998.97	4,992.78	4,990.87	17.61	14.66	153.42	-34.31	-113.40	143.78	111.60	32.19	4.467			
5,100.00	5,098.60	5,091.53	5,089.46	17.95	15.00	154.60	-35.92	-118.89	157.20	124.34	32.86	4.783			
5,200.00	5,198.24	5,188.65	5,186.39	18.30	15.35	155.55	-37.64	-124.64	171.06	137.53	33.52	5.103			
5,300.00	5,297.87	5,285.43	5,282.88	18.65	15.69	156.30	-39.76	-131.84	186.50	152.32	34.17	5.457			
5,400.00	5,397.51	5,383.85	5,380.96	18.99	16.04	156.99	-41.81	-139.68	202.46	167.61	34.85	5.809			
5,500.00	5,497.14	5,482.63	5,479.41	19.34	16.39	157.63	-43.69	-147.56	218.45	182.91	35.54	6.146			
5,600.00	5,596.77	5,582.06	5,578.51	19.70	16.75	158.09	-45.97	-155.31	234.32	198.08	36.24	6.466			
5,700.00	5,696.41	5,680.08	5,676.21	20.05	17.10	158.35	-48.76	-162.75	250.05	213.13	36.92	6.773			
5,800.00	5,796.04	5,779.24	5,775.03	20.40	17.46	158.62	-51.45	-170.53	266.03	228.42	37.61	7.073			
5,900.00	5,895.68	5,878.52	5,873.98	20.76	17.82	158.85	-54.13	-178.04	281.73	243.42	38.31	7.354			
6,000.00	5,995.31	5,975.93	5,971.07	21.11	18.17	159.05	-56.82	-185.51	297.55	258.56	38.99	7.632			
6,100.00	6,094.95	6,074.31	6,069.10	21.47	18.53	159.24	-59.50	-193.39	313.70	274.03	39.68	7.907			
6,200.00	6,194.58	6,172.50	6,166.92	21.83	18.88	159.36	-62.49	-201.32	329.96	289.59	40.36	8.174			
6,300.00	6,294.22	6,270.00	6,264.03	22.18	19.24	159.40	-65.86	-209.41	346.46	305.41	41.05	8.441			
6,400.00	6,393.85	6,366.79	6,360.38	22.54	19.60	159.38	-69.61	-217.81	363.37	321.65	41.72	8.709			
6,500.00	6,493.48	6,463.23	6,456.33	22.90	19.95	159.29	-73.81	-226.64	380.79	338.39	42.40	8.982			
6,600.00	6,593.12	6,558.89	6,551.42	23.26	20.31	159.17	-78.32	-235.97	398.84	355.78	43.06	9.262			
6,700.00	6,692.75	6,656.78	6,648.69	23.63	20.68	159.04	-83.14	-245.85	417.23	373.48	43.75	9.536			
6,800.00	6,792.39	6,753.79	6,745.02	23.99	21.04	158.85	-88.39	-255.98	436.02	391.59	44.44	9.812			
6,900.00	6,892.02	6,863.18	6,853.90	24.35	21.45	158.99	-91.65	-266.02	453.32	408.07	45.26	10.016			
7,000.00	6,991.66	6,966.52	6,956.92	24.71	21.83	159.23	-93.57	-273.97	469.08	423.08	46.00	10.197			
7,100.00	7,091.29	7,069.66	7,059.79	25.08	22.21	159.43	-95.63	-281.02	484.02	437.27	46.74	10.355			
7,200.00	7,190.92	7,161.87	7,151.76	25.44	22.55	159.60	-97.49	-287.32	498.97	451.58	47.39	10.530			
7,300.00	7,290.56	7,268.51	7,258.10	25.81	22.94	159.79	-99.55	-295.08	514.38	466.22	48.16	10.681			
7,400.00	7,390.19	7,359.58	7,348.93	26.17	23.27	159.92	-101.60	-301.24	529.29	480.49	48.80	10.847			
7,500.00	7,489.83	7,460.99	7,450.02	26.54	23.65	160.00	-104.34	-308.85	544.95	495.43	49.52	11.004			
7,600.00	7,589.46	7,560.00	7,548.76	26.91	24.02	160.15	-106.32	-315.93	560.22	509.99	50.23	11.153			
7,700.00	7,689.10	7,662.41	7,650.93	27.27	24.39	160.38	-107.51	-322.89	575.09	524.12	50.97	11.284			
7,800.00	7,788.73	7,754.31	7,742.58	27.64	24.73	160.57	-108.59	-329.49	590.34	538.73	51.61	11.438			
7,900.00	7,888.36	7,847.91	7,835.86	28.01	25.08	160.80	-109.33	-337.20	606.62	554.35	52.27	11.605			
8,000.00	7,988.00	7,947.00	7,934.57	28.38	25.45	160.98	-110.72	-345.66	623.24	570.26	52.98	11.763			
8,100.00	8,087.63	8,045.74	8,032.92	28.75	25.82	161.03	-113.40	-354.04	639.89	586.20	53.69	11.918			
8,200.00	8,187.27	8,149.89	8,136.70	29.12	26.21	161.05	-116.44	-362.32	656.02	601.57	54.45	12.049			
8,300.00	8,286.90	8,253.43	8,239.92	29.49	26.59	161.07	-119.52	-369.85	671.48	616.29	55.19	12.166			
8,400.00	8,386.54	8,358.49	8,344.73	29.86	26.98	161.10	-122.51	-376.49	685.99	630.04	55.95	12.261			
8,500.00	8,486.17	8,462.66	8,448.68	30.23	27.36	161.08	-125.91	-382.34	699.83	643.14	56.70	12.343			
8,600.00	8,585.81	8,563.74	8,549.56	30.60	27.73	161.00	-129.95	-387.27	712.98	655.55	57.42	12.416			
8,700.00	8,685.44	8,656.58	8,642.21	30.97	28.08	160.96	-133.28	-392.09	726.43	668.33	58.09	12.505			
8,800.00	8,785.07	8,756.25	8,741.68	31.34	28.44	161.06	-135.20	-398.15	740.65	681.84	58.81	12.594			
8,900.00	8,884.71	8,869.04	8,854.30	31.71	28.85	161.15	-137.39	-403.74	753.78	694.17	59.61	12.646			
9,000.00	8,984.34	8,964.64	8,949.80	32.08	29.20	161.22	-139.32	-407.58	765.97	705.67	60.30	12.703			
9,100.00	9,083.98	9,060.95	9,045.98	32.45	29.55	161.27	-141.50	-412.02	778.76	717.77	60.99	12.768			
9,200.00	9,183.61	9,165.00	9,149.93	32.83	29.93	161.33	-143.75	-416.26	791.00	729.27	61.73	12.813			
9,300.00	9,283.25	9,260.00	9,244.79	33.20	30.28	161.36	-146.23	-420.67	803.83	741.41	62.42	12.877			
9,400.00	9,382.88	9,347.18	9,331.75	33.57	30.60	161.33	-149.23	-425.97	818.05	754.99	63.06	12.973			
9,500.00	9,482.51	9,455.73	9,440.04	33.94	31.00	161.25	-153.69	-432.05	831.92	768.09	63.84	13.032			
9,546.36	9,528.71	9,520.60	9,504.83	34.12	31.24	161.23	-155.80	-434.52	837.51	773.23	64.28	13.030			
9,600.00	9,582.18	9,583.71	9,567.91	34.32	31.46	161.30	-156.90	-435.79	842.60	777.89	64.71	13.022			
9,700.00	9,682.01	9,689.83	9,674.02	34.68	31.83	161.43	-157.45	-437.08	849.37	783.93	65.44	12.979			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1FC Fed Com 2H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-NS, 992-MWD														Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
9,800.00	9,781.95	9,793.88	9,778.06	35.04	32.19	161.65	-155.62	-437.91	853.13	786.98	66.15	12.897			
9,873.10	9,855.05	9,867.99	9,852.15	35.29	32.44	-92.52	-154.48	-438.21	854.04	787.38	66.66	12.812			
9,900.00	9,881.94	9,894.65	9,878.81	35.39	32.53	-85.04	-154.15	-438.32	854.08	787.24	66.84	12.777			
9,950.00	9,931.72	9,942.72	9,926.87	35.55	32.69	-85.31	-153.66	-438.55	853.92	786.74	67.18	12.712			
10,000.00	9,980.91	10,000.28	9,984.43	35.71	32.88	-86.02	-153.13	-438.82	853.47	785.93	67.54	12.637			
10,050.00	10,029.15	10,107.25	10,090.73	35.86	33.22	-87.51	-142.76	-435.47	850.80	782.87	67.93	12.525			
10,100.00	10,076.06	10,200.00	10,179.71	36.01	33.48	-88.67	-118.22	-427.70	844.52	776.38	68.14	12.394			
10,150.00	10,121.29	10,253.93	10,229.05	36.14	33.61	-89.58	-97.12	-422.59	837.22	768.82	68.41	12.239			
10,200.00	10,164.50	10,272.00	10,245.10	36.26	33.66	-90.33	-88.99	-420.93	830.34	761.58	68.76	12.076			
10,250.00	10,205.35	10,318.27	10,285.39	36.36	33.76	-91.25	-66.47	-417.86	823.98	754.95	69.03	11.936			
10,300.00	10,243.53	10,346.17	10,309.18	36.46	33.83	-92.03	-51.92	-417.11	819.41	750.09	69.32	11.821			
10,350.00	10,278.76	10,377.91	10,335.71	36.54	33.90	-92.81	-34.49	-417.22	816.33	746.76	69.58	11.733			
10,400.00	10,310.76	10,421.33	10,370.57	36.60	33.99	-93.76	-8.65	-418.21	814.21	744.38	69.83	11.661			
10,450.00	10,339.29	10,465.47	10,404.06	36.66	34.08	-94.69	20.04	-419.97	812.83	742.76	70.07	11.601			
10,500.00	10,364.14	10,510.54	10,436.34	36.70	34.15	-95.63	51.39	-422.44	812.24	741.93	70.31	11.553			
10,510.91	10,369.06	10,520.43	10,443.18	36.71	34.17	-95.84	58.50	-423.07	812.22	741.86	70.36	11.544			
10,550.00	10,385.12	10,555.00	10,466.37	36.76	34.23	-96.56	84.03	-425.49	812.48	741.95	70.53	11.520			
10,600.00	10,402.06	10,598.61	10,493.91	36.90	34.29	-97.45	117.63	-429.16	813.74	742.98	70.75	11.501			
10,650.00	10,414.83	10,641.74	10,519.13	37.05	34.37	-98.29	152.33	-433.56	816.15	745.20	70.95	11.503			
10,700.00	10,423.35	10,651.58	10,610.20	37.22	35.15	-102.57	339.93	-445.92	818.22	747.20	71.02	11.522			
10,750.00	10,427.54	11,001.12	10,635.31	37.39	35.76	-104.75	486.27	-435.15	807.72	736.37	71.35	11.320			
10,770.60	10,428.00	11,045.74	10,637.19	37.46	35.95	-105.45	530.52	-430.62	803.21	731.68	71.53	11.229			
10,800.00	10,428.13	11,065.61	10,637.09	37.57	36.04	-105.51	550.30	-428.66	796.75	725.05	71.71	11.111			
10,900.00	10,428.57	11,140.77	10,637.54	37.97	36.40	-105.76	625.23	-422.93	778.17	705.79	72.38	10.751			
11,000.00	10,429.00	11,239.96	10,637.21	38.44	36.93	-106.00	724.20	-416.36	762.05	688.78	73.27	10.400			
11,100.00	10,429.44	11,331.87	10,635.89	38.97	37.48	-106.10	815.97	-411.59	748.67	674.38	74.29	10.078			
11,200.00	10,429.88	11,434.17	10,634.89	39.57	38.14	-106.25	918.07	-405.11	735.98	660.52	75.46	9.754			
11,300.00	10,430.32	11,509.51	10,635.04	40.22	38.67	-106.36	993.34	-402.15	727.54	650.95	76.58	9.500			
11,400.00	10,430.75	11,618.57	10,634.35	40.92	39.50	-106.41	1,102.33	-398.52	721.15	643.12	78.04	9.241			
11,496.68	10,431.18	11,705.74	10,633.83	41.65	40.20	-106.42	1,189.46	-395.95	716.97	637.55	79.42	9.027			
11,500.00	10,431.19	11,708.77	10,633.82	41.68	40.23	-106.42	1,192.50	-395.88	716.88	637.40	79.47	9.020			
11,600.00	10,431.63	11,801.46	10,633.03	42.49	41.02	-106.37	1,285.17	-394.44	714.61	633.58	81.04	8.818			
11,700.00	10,432.06	11,898.44	10,631.90	43.34	41.90	-106.28	1,382.14	-393.62	712.95	630.22	82.73	8.617			
11,800.00	10,432.50	11,988.48	10,630.88	44.24	42.75	-106.18	1,472.17	-393.54	712.05	627.60	84.46	8.431			
11,800.00	10,432.50	11,988.48	10,630.88	44.24	42.75	-106.18	1,472.18	-393.54	712.05	627.60	84.46	8.431			
11,900.00	10,432.94	12,067.00	10,630.08	45.17	43.52	-106.05	1,550.66	-395.57	713.69	627.55	86.14	8.285			
12,000.00	10,433.37	12,202.17	10,627.54	46.15	44.91	-105.80	1,685.78	-396.70	713.18	624.68	88.50	8.058			
12,100.00	10,433.81	12,296.71	10,625.20	47.17	45.92	-105.60	1,780.29	-396.34	711.63	621.10	90.53	7.861			
12,200.00	10,434.25	12,391.44	10,623.37	48.22	46.95	-105.43	1,875.00	-396.65	710.91	618.30	92.61	7.676			
12,300.00	10,434.69	12,489.61	10,623.10	49.30	48.06	-105.37	1,973.17	-397.07	710.72	615.97	94.75	7.501			
12,400.00	10,435.12	12,590.85	10,623.77	50.41	49.23	-105.40	2,074.41	-397.21	710.52	613.56	96.96	7.328			
12,500.00	10,435.56	12,690.63	10,624.67	51.56	50.40	-105.44	2,174.18	-397.13	710.16	610.96	99.20	7.159			
12,551.23	10,435.78	12,739.87	10,625.04	52.15	50.99	-105.46	2,223.42	-397.19	710.06	609.71	100.35	7.076			
12,600.00	10,436.00	12,783.29	10,625.36	52.72	51.52	-105.47	2,266.84	-397.50	710.24	608.83	101.41	7.004			
12,700.00	10,436.43	12,883.53	10,626.13	53.92	52.75	-105.47	2,367.07	-398.96	711.33	607.57	103.76	6.855			
12,800.00	10,436.87	12,988.16	10,626.88	55.13	54.06	-105.49	2,471.69	-399.64	711.62	605.41	106.21	6.700			
12,900.00	10,437.31	13,090.12	10,627.25	56.37	55.36	-105.48	2,573.65	-400.01	711.55	602.87	108.67	6.547			
12,961.71	10,437.58	13,150.38	10,627.58	57.15	56.14	-105.49	2,633.91	-400.14	711.45	601.27	110.18	6.457			
13,000.00	10,437.74	13,187.19	10,627.84	57.63	56.61	-105.50	2,670.71	-400.31	711.49	600.38	111.11	6.404			
13,100.00	10,438.18	13,293.35	10,628.79	58.91	58.00	-105.54	2,776.87	-400.47	711.36	597.68	113.68	6.257			
13,200.00	10,438.62	13,391.00	10,629.65	60.20	59.30	-105.59	2,874.52	-400.01	710.64	594.46	116.18	6.117			
13,234.61	10,438.77	13,423.27	10,629.90	60.66	59.73	-105.61	2,906.78	-399.99	710.51	593.47	117.03	6.071			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1FC Fed Com 2H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 100-GYRO-NS, 992-MWD													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,300.00	10,439.05	13,485.00	10,630.42	61.51	60.56	-105.62	2,968.51	-400.65	710.97	592.31	118.67	5.991	
13,400.00	10,439.49	13,596.57	10,630.97	62.84	62.07	-105.62	3,080.08	-400.95	710.86	589.44	121.42	5.855	
13,500.00	10,439.93	13,696.07	10,631.36	64.18	63.43	-105.63	3,179.57	-400.83	710.34	586.29	124.04	5.726	
13,600.00	10,440.36	13,807.12	10,631.77	65.54	64.96	-105.71	3,290.57	-397.60	706.96	580.17	126.79	5.576	
13,660.67	10,440.63	13,849.41	10,632.05	66.37	65.55	-105.73	3,332.86	-397.18	706.17	577.98	128.19	5.509	
13,700.00	10,440.80	13,879.60	10,632.30	66.91	65.97	-105.73	3,363.04	-397.52	706.47	577.36	129.11	5.472	
13,800.00	10,441.24	13,967.80	10,632.92	68.29	67.21	-105.70	3,451.20	-400.01	708.82	577.19	131.63	5.385	
13,900.00	10,441.67	14,094.59	10,633.61	69.68	69.01	-105.70	3,577.97	-401.30	709.31	574.53	134.78	5.263	
14,000.00	10,442.11	14,196.05	10,634.40	71.09	70.46	-105.75	3,679.43	-400.51	708.25	570.73	137.52	5.150	
14,082.42	10,442.47	14,271.22	10,635.08	72.25	71.54	-105.79	3,754.59	-400.15	707.65	567.98	139.68	5.066	
14,100.00	10,442.55	14,285.75	10,635.19	72.50	71.75	-105.80	3,769.13	-400.23	707.69	567.57	140.12	5.051	
14,200.00	10,442.98	14,384.59	10,635.69	73.93	73.17	-105.78	3,867.95	-401.88	708.91	566.01	142.90	4.961	
14,300.00	10,443.42	14,500.04	10,636.33	75.36	74.85	-105.81	3,983.39	-401.44	708.14	562.24	145.89	4.854	
14,400.00	10,443.86	14,609.05	10,637.09	76.80	76.44	-105.89	4,092.38	-399.30	705.92	557.15	148.76	4.745	
14,500.00	10,444.29	14,703.96	10,637.29	78.25	77.83	-105.93	4,187.25	-397.13	703.27	551.75	151.51	4.642	
14,600.00	10,444.73	14,800.60	10,637.21	79.71	79.25	-105.93	4,283.89	-395.82	701.41	547.09	154.32	4.545	
14,653.95	10,444.97	14,842.84	10,637.36	80.50	79.87	-105.93	4,326.13	-395.52	700.85	545.15	155.70	4.501	
14,700.00	10,445.17	14,875.57	10,637.50	81.17	80.36	-105.93	4,358.86	-395.98	701.29	544.49	156.80	4.473	
14,800.00	10,445.60	14,964.56	10,637.91	82.64	81.69	-105.86	4,447.77	-399.47	704.59	545.10	159.50	4.418	
14,900.00	10,446.04	15,074.02	10,638.00	84.12	83.33	-105.75	4,557.17	-403.31	707.48	544.84	162.64	4.350	
15,000.00	10,446.48	15,170.56	10,638.18	85.60	84.78	-105.69	4,653.67	-405.90	709.60	544.09	165.51	4.287	
15,100.00	10,446.91	15,275.98	10,638.20	87.09	86.37	-105.59	4,759.03	-409.14	712.06	543.47	168.58	4.224	
15,200.00	10,447.35	15,362.51	10,638.76	88.59	87.69	-105.56	4,845.52	-411.75	714.64	543.39	171.25	4.173	
15,300.00	10,447.79	15,496.88	10,640.07	90.09	89.73	-105.57	4,979.84	-414.48	716.48	541.69	174.79	4.099	
15,400.00	10,448.23	15,609.93	10,640.22	91.59	91.44	-105.58	5,092.87	-412.85	714.61	536.76	177.85	4.018	
15,500.00	10,448.66	15,711.33	10,639.85	93.10	92.98	-105.60	5,194.22	-409.71	711.01	530.21	180.80	3.933	
15,600.00	10,449.10	15,803.17	10,639.50	94.62	94.37	-105.58	5,286.05	-408.20	708.77	525.09	183.68	3.859	
15,700.00	10,449.54	15,897.58	10,639.47	96.14	95.82	-105.58	5,380.45	-406.87	706.91	520.33	186.57	3.789	
15,800.00	10,449.97	15,997.69	10,639.51	97.66	97.35	-105.56	5,480.56	-406.85	706.38	516.82	189.56	3.726	
15,900.00	10,450.41	16,105.48	10,638.86	99.19	99.01	-105.52	5,588.33	-405.16	704.15	511.50	192.65	3.655	
16,000.00	10,450.85	16,197.31	10,639.36	100.72	100.42	-105.57	5,680.15	-403.74	702.31	506.80	195.51	3.592	
16,100.00	10,451.28	16,295.64	10,639.92	102.25	101.94	-105.60	5,778.48	-403.37	701.57	503.11	198.46	3.535	
16,200.00	10,451.72	16,389.56	10,639.99	103.79	103.39	-105.58	5,872.40	-403.14	700.85	499.47	201.38	3.480	
16,201.98	10,451.73	16,391.32	10,639.99	103.82	103.42	-105.58	5,874.16	-403.15	700.85	499.41	201.44	3.479	
16,300.00	10,452.16	16,491.62	10,640.03	105.33	104.97	-105.54	5,974.46	-403.86	701.03	496.59	204.45	3.429	
16,400.00	10,452.59	16,592.31	10,638.55	106.87	106.54	-105.39	6,075.12	-404.25	700.50	492.91	207.58	3.375	
16,500.00	10,453.03	16,702.72	10,633.16	108.42	108.27	-104.92	6,185.40	-405.18	699.53	488.44	211.09	3.314	
16,600.00	10,453.47	16,803.99	10,625.82	109.97	109.85	-104.31	6,286.40	-405.33	697.33	482.74	214.59	3.250	
16,700.00	10,453.90	16,893.00	10,624.24	111.52	111.25	-104.15	6,375.36	-405.86	696.85	479.25	217.61	3.202	
16,703.21	10,453.92	16,893.00	10,624.24	111.57	111.25	-104.15	6,375.36	-405.86	696.85	479.19	217.66	3.202	
16,800.00	10,454.34	16,988.55	10,627.07	113.08	112.74	-104.34	6,470.87	-406.36	697.54	477.10	220.45	3.164	
16,900.00	10,454.78	17,093.71	10,629.78	114.64	114.39	-104.53	6,575.99	-405.99	697.33	473.90	223.43	3.121	
17,000.00	10,455.21	17,193.25	10,632.30	116.20	115.95	-104.72	6,675.50	-405.29	696.77	470.44	226.33	3.079	
17,071.39	10,455.53	17,261.37	10,633.97	117.31	117.02	-104.84	6,743.59	-405.05	696.61	468.24	228.37	3.050	
17,100.00	10,455.65	17,289.24	10,634.60	117.76	117.46	-104.89	6,771.46	-405.05	696.63	467.43	229.19	3.039	
17,200.00	10,456.09	17,386.47	10,636.61	119.33	118.99	-105.02	6,868.67	-405.27	696.86	464.76	232.10	3.002	
17,300.00	10,456.52	17,480.81	10,638.85	120.89	120.47	-105.15	6,962.97	-406.15	697.86	462.92	234.94	2.970	
17,400.00	10,456.96	17,580.92	10,641.27	122.46	122.06	-105.29	7,063.04	-407.38	699.16	461.27	237.89	2.939	
17,500.00	10,457.40	17,687.41	10,643.99	124.03	123.74	-105.45	7,169.50	-408.50	700.36	459.42	240.94	2.907	
17,600.00	10,457.83	17,793.53	10,646.12	125.61	125.42	-105.61	7,275.60	-407.86	699.76	455.80	243.96	2.868	
17,700.00	10,458.27	17,896.10	10,648.49	127.18	127.04	-105.78	7,378.14	-407.41	699.46	452.55	246.91	2.833	
17,800.00	10,458.71	18,008.27	10,649.52	128.76	128.81	-105.87	7,490.29	-405.70	697.72	447.70	250.02	2.791	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1FC Fed Com 2H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 100-GYRO-NS, 992-MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,900.00	10,459.14	18,099.35	10,650.02	130.34	130.25	-105.93	7,581.34	-403.92	695.49	442.55	252.95	2.750	
17,981.69	10,459.50	18,171.86	10,650.72	131.63	131.39	-105.97	7,653.85	-403.65	694.99	439.70	255.29	2.722	
18,000.00	10,459.58	18,188.30	10,651.01	131.92	131.66	-105.99	7,670.29	-403.68	695.01	439.21	255.80	2.717	
18,095.93	10,460.00	18,277.82	10,653.38	133.44	133.08	-106.14	7,759.77	-404.29	695.84	437.36	258.48	2.692	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1GB Fed Com 1H - OH - Plan #2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	88.33	0.79	27.15	27.16				
100.00	100.00	100.00	100.00	0.13	0.13	88.33	0.79	27.15	27.16	26.90	0.26	105.236	
200.00	200.00	200.00	200.00	0.49	0.49	88.33	0.79	27.15	27.16	26.19	0.98	27.857	
300.00	300.00	300.00	300.00	0.85	0.85	88.33	0.79	27.15	27.16	25.47	1.69	16.053	
400.00	400.00	400.00	400.00	1.20	1.20	88.33	0.79	27.15	27.16	24.75	2.41	11.275	
500.00	500.00	500.00	500.00	1.56	1.56	88.33	0.79	27.15	27.16	24.04	3.13	8.689	
600.00	600.00	600.00	600.00	1.92	1.92	88.33	0.79	27.15	27.16	23.32	3.84	7.068	
700.00	700.00	700.00	700.00	2.28	2.28	88.33	0.79	27.15	27.16	22.60	4.56	5.957	
703.34	703.34	703.34	703.34	2.29	2.29	88.33	0.79	27.15	27.16	22.58	4.58	5.926 CC	
800.00	800.00	799.65	799.65	2.64	2.63	88.44	0.75	27.47	27.48	22.21	5.27	5.215 ES	
900.00	900.00	898.88	898.84	3.00	2.97	89.21	0.42	30.03	30.05	24.09	5.97	5.038	
1,000.00	1,000.00	997.91	997.73	3.36	3.32	90.40	-0.25	35.13	35.20	28.54	6.66	5.285	
1,100.00	1,100.00	1,097.17	1,096.73	3.71	3.67	91.61	-1.20	42.44	42.58	35.22	7.36	5.786	
1,200.00	1,200.00	1,196.88	1,196.13	4.07	4.03	92.50	-2.19	50.08	50.28	42.21	8.07	6.234	
1,300.00	1,300.00	1,296.58	1,295.53	4.43	4.39	93.15	-3.18	57.72	57.98	49.21	8.77	6.608	
1,400.00	1,400.00	1,396.28	1,394.93	4.79	4.75	93.65	-4.17	65.37	65.69	56.21	9.48	6.926	
1,500.00	1,500.00	1,495.98	1,494.34	5.15	5.12	94.05	-5.16	73.01	73.41	63.21	10.20	7.200	
1,600.00	1,600.00	1,595.68	1,593.74	5.51	5.48	94.37	-6.16	80.65	81.13	70.22	10.91	7.437	
1,700.00	1,700.00	1,695.38	1,693.14	5.86	5.85	94.63	-7.15	88.29	88.85	77.22	11.62	7.645	
1,800.00	1,800.00	1,795.08	1,792.54	6.22	6.22	94.85	-8.14	95.93	96.57	84.23	12.34	7.828	
1,900.00	1,900.00	1,894.78	1,891.95	6.58	6.59	95.04	-9.13	103.57	104.29	91.24	13.05	7.991	
2,000.00	2,000.00	1,994.48	1,991.35	6.94	6.96	95.20	-10.13	111.22	112.01	98.25	13.77	8.137	
2,100.00	2,100.00	2,094.18	2,090.75	7.30	7.34	95.34	-11.12	118.86	119.74	105.25	14.48	8.269	
2,200.00	2,200.00	2,193.88	2,190.15	7.66	7.71	95.47	-12.11	126.50	127.46	112.26	15.20	8.388	
2,300.00	2,300.00	2,293.58	2,289.56	8.02	8.08	95.58	-13.10	134.14	135.18	119.27	15.91	8.496	
2,400.00	2,400.00	2,393.29	2,388.96	8.37	8.45	95.68	-14.09	141.78	142.91	126.28	16.63	8.594	
2,500.00	2,500.00	2,492.99	2,488.36	8.73	8.83	95.77	-15.09	149.43	150.64	133.29	17.35	8.685	
2,600.00	2,600.00	2,592.69	2,587.76	9.09	9.20	95.84	-16.08	157.07	158.36	140.30	18.06	8.768	
2,700.00	2,700.00	2,692.39	2,687.17	9.45	9.58	95.92	-17.07	164.71	166.09	147.31	18.78	8.844	
2,800.00	2,800.00	2,792.09	2,786.57	9.81	9.95	95.98	-18.06	172.35	173.81	154.32	19.50	8.915	
2,900.00	2,900.00	2,891.79	2,885.97	10.17	10.33	96.04	-19.06	179.99	181.54	161.33	20.21	8.981	
3,000.00	3,000.00	2,991.49	2,985.38	10.52	10.70	96.10	-20.05	187.63	189.27	168.34	20.93	9.043	
3,100.00	3,100.00	3,091.19	3,084.78	10.88	11.08	96.15	-21.04	195.28	197.00	175.35	21.65	9.100	
3,200.00	3,200.00	3,190.89	3,184.18	11.24	11.45	96.20	-22.03	202.92	204.72	182.36	22.37	9.153	
3,300.00	3,300.00	3,290.59	3,283.58	11.60	11.83	96.24	-23.02	210.56	212.45	189.37	23.08	9.204	
3,400.00	3,400.00	3,390.29	3,382.99	11.96	12.20	96.28	-24.02	218.20	220.18	196.38	23.80	9.251	
3,500.00	3,500.00	3,490.00	3,482.39	12.32	12.58	96.32	-25.01	225.84	227.91	203.39	24.52	9.295	
3,600.00	3,600.00	3,589.70	3,581.79	12.68	12.96	96.35	-26.00	233.49	235.63	210.40	25.24	9.337	
3,700.00	3,700.00	3,689.40	3,681.19	13.03	13.33	96.39	-26.99	241.13	243.36	217.41	25.96	9.376	
3,800.00	3,800.00	3,789.10	3,780.60	13.39	13.71	96.42	-27.99	248.77	251.09	224.42	26.67	9.413	
3,900.00	3,900.00	3,888.80	3,880.00	13.75	14.08	96.45	-28.98	256.41	258.82	231.43	27.39	9.449	
4,000.00	4,000.00	3,988.50	3,979.40	14.11	14.46	96.48	-29.97	264.05	266.55	238.44	28.11	9.482	
4,100.00	4,100.00	4,088.20	4,078.80	14.47	14.84	96.50	-30.96	271.70	274.27	245.45	28.83	9.514	
4,200.00	4,200.00	4,187.90	4,178.21	14.83	15.21	96.53	-31.95	279.34	282.00	252.46	29.55	9.544	
4,300.00	4,300.00	4,287.60	4,277.61	15.18	15.59	96.55	-32.95	286.98	289.73	259.47	30.26	9.573	
4,400.00	4,400.00	4,387.30	4,377.01	15.54	15.97	96.57	-33.94	294.62	297.46	266.48	30.98	9.601	
4,500.00	4,500.00	4,487.00	4,476.41	15.90	16.34	96.59	-34.93	302.26	305.19	273.49	31.70	9.627	
4,600.00	4,599.99	4,586.79	4,575.91	16.25	16.72	-9.15	-35.92	309.91	311.63	279.22	32.41	9.616	
4,700.00	4,699.91	4,686.71	4,675.53	16.59	17.10	-9.23	-36.92	317.57	315.48	282.38	33.11	9.530	
4,800.00	4,799.69	4,786.70	4,775.21	16.92	17.48	-9.40	-37.91	325.23	316.76	282.96	33.80	9.371	
4,826.74	4,826.34	4,813.44	4,801.87	17.02	17.58	-9.45	-38.18	327.28	316.67	282.67	33.99	9.316	
4,900.00	4,899.33	4,886.69	4,874.90	17.27	17.85	-9.62	-38.91	332.90	316.15	281.65	34.50	9.163	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1GB Fed Com 1H - OH - Plan #2													Offset Site Error:	0.00 usft
Survey Program:		0-MWD							Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth	Vertical Reference	Measured Depth	Vertical Offset	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance					Warning
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,998.97	4,986.68	4,974.60	17.61	18.23	-9.85	-39.90	340.56	315.46	280.25	35.20	8.961		
5,100.00	5,098.60	5,086.67	5,074.29	17.95	18.61	-10.08	-40.90	348.23	314.77	278.86	35.91	8.767		
5,200.00	5,198.24	5,186.66	5,173.98	18.30	18.99	-10.31	-41.89	355.89	314.08	277.47	36.61	8.580		
5,300.00	5,297.87	5,286.65	5,273.67	18.65	19.37	-10.54	-42.89	363.55	313.40	276.09	37.31	8.400		
5,400.00	5,397.51	5,386.64	5,373.36	18.99	19.74	-10.77	-43.88	371.22	312.72	274.71	38.02	8.226		
5,500.00	5,497.14	5,486.63	5,473.05	19.34	20.12	-11.00	-44.88	378.88	312.05	273.33	38.72	8.059		
5,600.00	5,596.77	5,586.62	5,572.74	19.70	20.50	-11.24	-45.87	386.55	311.39	271.96	39.43	7.898		
5,700.00	5,696.41	5,686.61	5,672.43	20.05	20.88	-11.47	-46.87	394.21	310.72	270.59	40.14	7.742		
5,800.00	5,796.04	5,786.60	5,772.12	20.40	21.26	-11.71	-47.86	401.87	310.07	269.23	40.84	7.592		
5,900.00	5,895.68	5,886.59	5,871.81	20.76	21.64	-11.94	-48.86	409.54	309.42	267.87	41.55	7.446		
6,000.00	5,995.31	5,986.58	5,971.50	21.11	22.01	-12.18	-49.85	417.20	308.78	266.51	42.26	7.306		
6,100.00	6,094.95	6,086.57	6,071.19	21.47	22.39	-12.42	-50.85	424.87	308.14	265.16	42.97	7.170		
6,200.00	6,194.58	6,186.56	6,170.88	21.83	22.77	-12.66	-51.84	432.53	307.50	263.82	43.68	7.039		
6,300.00	6,294.22	6,286.55	6,270.57	22.18	23.15	-12.90	-52.84	440.19	306.87	262.48	44.40	6.912		
6,400.00	6,393.85	6,386.54	6,370.26	22.54	23.53	-13.14	-53.83	447.86	306.25	261.14	45.11	6.789		
6,500.00	6,493.48	6,486.52	6,469.95	22.90	23.91	-13.39	-54.83	455.52	305.63	259.81	45.82	6.670		
6,600.00	6,593.12	6,586.51	6,569.64	23.26	24.28	-13.63	-55.83	463.19	305.02	258.49	46.54	6.555		
6,700.00	6,692.75	6,686.50	6,669.33	23.63	24.66	-13.88	-56.82	470.85	304.41	257.16	47.25	6.443		
6,800.00	6,792.39	6,786.49	6,769.03	23.99	25.04	-14.12	-57.82	478.51	303.81	255.85	47.97	6.334		
6,900.00	6,892.02	6,886.48	6,868.72	24.35	25.42	-14.37	-58.81	486.18	303.22	254.54	48.68	6.229		
7,000.00	6,991.66	6,986.47	6,968.41	24.71	25.80	-14.62	-59.81	493.84	302.63	253.23	49.40	6.126		
7,100.00	7,091.29	7,086.46	7,068.10	25.08	26.18	-14.86	-60.80	501.50	302.05	251.93	50.11	6.027		
7,200.00	7,190.92	7,186.45	7,167.79	25.44	26.55	-15.11	-61.80	509.17	301.47	250.64	50.83	5.931		
7,300.00	7,290.56	7,286.44	7,267.48	25.81	26.93	-15.37	-62.79	516.83	300.89	249.34	51.55	5.837		
7,400.00	7,390.19	7,386.43	7,367.17	26.17	27.31	-15.62	-63.79	524.50	300.33	248.06	52.27	5.746		
7,500.00	7,489.83	7,486.42	7,466.86	26.54	27.69	-15.87	-64.78	532.16	299.77	246.78	52.99	5.657		
7,600.00	7,589.46	7,586.41	7,566.55	26.91	28.07	-16.12	-65.78	539.82	299.21	245.50	53.71	5.571		
7,700.00	7,689.10	7,686.40	7,666.24	27.27	28.45	-16.38	-66.77	547.49	298.66	244.24	54.43	5.487		
7,800.00	7,788.73	7,786.39	7,765.93	27.64	28.82	-16.63	-67.77	555.15	298.12	242.97	55.15	5.406		
7,900.00	7,888.36	7,886.38	7,865.62	28.01	29.20	-16.89	-68.76	562.82	297.58	241.71	55.87	5.326		
8,000.00	7,988.00	7,986.37	7,965.31	28.38	29.58	-17.15	-69.76	570.48	297.05	240.46	56.59	5.249		
8,100.00	8,087.63	8,086.36	8,065.00	28.75	29.96	-17.40	-70.75	578.14	296.53	239.21	57.31	5.174		
8,200.00	8,187.27	8,186.35	8,164.69	29.12	30.34	-17.66	-71.75	585.81	296.01	237.97	58.04	5.100		
8,300.00	8,286.90	8,286.34	8,264.38	29.49	30.72	-17.92	-72.74	593.47	295.49	236.73	58.76	5.029		
8,400.00	8,386.54	8,386.33	8,364.07	29.86	31.10	-18.18	-73.74	601.14	294.99	235.50	59.48	4.959		
8,500.00	8,486.17	8,486.32	8,463.77	30.23	31.47	-18.45	-74.73	608.80	294.49	234.28	60.21	4.891		
8,600.00	8,585.81	8,586.31	8,563.46	30.60	31.85	-18.71	-75.73	616.46	293.99	233.06	60.93	4.825		
8,700.00	8,685.44	8,686.30	8,663.15	30.97	32.23	-18.97	-76.72	624.13	293.50	231.85	61.66	4.760		
8,800.00	8,785.07	8,786.29	8,762.84	31.34	32.61	-19.24	-77.72	631.79	293.02	230.64	62.38	4.697		
8,900.00	8,884.71	8,886.28	8,862.53	31.71	32.99	-19.50	-78.71	639.46	292.54	229.44	63.11	4.636		
9,000.00	8,984.34	8,986.27	8,962.22	32.08	33.37	-19.77	-79.71	647.12	292.07	228.24	63.83	4.576		
9,100.00	9,083.98	9,086.26	9,061.91	32.45	33.75	-20.03	-80.70	654.78	291.61	227.05	64.56	4.517		
9,200.00	9,183.61	9,186.25	9,161.60	32.83	34.12	-20.30	-81.70	662.45	291.15	225.87	65.29	4.460		
9,300.00	9,283.25	9,286.24	9,261.29	33.20	34.50	-20.57	-82.69	670.11	290.70	224.69	66.02	4.404		
9,400.00	9,382.88	9,386.23	9,360.98	33.57	34.88	-20.84	-83.69	677.78	290.26	223.51	66.74	4.349		
9,500.00	9,482.51	9,486.22	9,460.67	33.94	35.26	-21.11	-84.68	685.44	289.82	222.35	67.47	4.295		
9,546.36	9,528.71	9,532.57	9,506.89	34.12	35.44	-21.24	-85.14	688.99	289.62	221.81	67.81	4.271		
9,564.01	9,546.30	9,550.22	9,524.49	34.18	35.50	-21.28	-85.32	690.35	289.58	221.64	67.94	4.262		
9,600.00	9,582.18	9,586.21	9,560.36	34.32	35.64	-21.35	-85.68	693.10	289.74	221.54	68.20	4.248		
9,700.00	9,682.01	9,686.18	9,660.04	34.68	36.02	-21.44	-86.67	700.77	291.84	222.91	68.92	4.234		
9,800.00	9,781.95	9,786.07	9,759.63	35.04	36.40	-21.35	-87.67	708.42	296.37	226.73	69.64	4.256		
9,873.10	9,855.05	9,864.81	9,838.18	35.29	36.69	84.54	-88.35	713.72	300.56	230.37	70.19	4.282		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1GB Fed Com 1H - OH - Plan #2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,900.00	9,881.94	9,893.88	9,867.22	35.39	36.80	92.09	-88.56	715.27	301.99	231.61	70.38	4.291	
9,950.00	9,931.72	9,947.74	9,921.03	35.55	36.99	92.87	-88.85	717.56	304.29	233.57	70.72	4.303	
10,000.00	9,980.91	10,001.04	9,974.30	35.71	37.18	94.49	-89.05	719.09	306.31	235.29	71.02	4.313	
10,050.00	10,029.15	10,053.38	10,026.64	35.86	37.36	96.85	-89.15	719.87	308.42	237.13	71.29	4.326	
10,100.00	10,076.06	10,102.18	10,075.43	36.01	37.52	99.60	-88.91	720.03	311.23	239.67	71.55	4.350	
10,150.00	10,121.29	10,147.80	10,120.93	36.14	37.67	102.11	-85.73	720.41	315.79	243.97	71.82	4.397	
10,200.00	10,164.50	10,194.64	10,167.22	36.26	37.82	104.47	-78.75	721.23	322.28	250.19	72.09	4.471	
10,250.00	10,205.35	10,242.81	10,214.07	36.36	37.97	106.64	-67.67	722.54	330.61	258.28	72.33	4.571	
10,300.00	10,243.53	10,292.43	10,261.17	36.46	38.12	108.60	-52.22	724.37	340.64	268.12	72.53	4.697	
10,350.00	10,278.76	10,343.63	10,308.17	36.54	38.27	110.32	-32.09	726.76	352.23	279.56	72.66	4.847	
10,400.00	10,310.76	10,396.57	10,354.66	36.60	38.41	111.80	-6.99	729.73	365.16	292.44	72.71	5.022	
10,450.00	10,339.29	10,451.39	10,400.14	36.66	38.55	113.01	23.38	733.32	379.22	306.57	72.66	5.219	
10,500.00	10,364.14	10,508.27	10,444.01	36.70	38.67	113.97	59.29	737.57	394.20	321.71	72.49	5.438	
10,550.00	10,385.12	10,567.35	10,485.55	36.76	38.80	114.65	100.98	742.51	409.85	337.64	72.21	5.676	
10,600.00	10,402.06	10,628.80	10,523.92	36.90	38.92	115.07	148.60	748.14	425.93	354.08	71.86	5.927	
10,650.00	10,414.83	10,692.74	10,558.17	37.05	39.05	115.22	202.18	754.48	442.21	370.75	71.46	6.188	
10,700.00	10,423.35	10,759.27	10,587.19	37.22	39.19	115.11	261.59	761.52	458.43	387.36	71.07	6.450	
10,750.00	10,427.54	10,828.41	10,609.80	37.39	39.36	114.73	326.44	769.19	474.36	403.61	70.76	6.704	
10,770.60	10,428.00	10,857.65	10,616.96	37.46	39.44	114.50	354.59	772.52	480.79	410.12	70.67	6.804	
10,800.00	10,428.13	10,900.33	10,624.79	37.57	39.57	114.80	396.24	777.45	489.41	418.79	70.62	6.930	
10,900.00	10,428.57	11,030.16	10,631.20	37.97	40.03	113.87	524.89	792.48	512.08	440.65	71.44	7.168	
11,000.00	10,429.00	11,137.14	10,631.65	38.44	40.49	112.85	631.33	803.17	530.35	457.78	72.57	7.308	
11,100.00	10,429.44	11,245.21	10,632.10	38.97	41.03	112.06	739.04	811.96	545.42	471.67	73.75	7.396	
11,200.00	10,429.88	11,354.16	10,632.55	39.57	41.63	111.47	847.77	818.75	557.20	482.22	74.98	7.432	
11,300.00	10,430.32	11,463.76	10,633.01	40.22	42.29	111.07	957.27	823.50	565.63	489.37	76.26	7.417	
11,400.00	10,430.75	11,573.82	10,633.46	40.92	43.02	110.83	1,067.29	826.17	570.66	493.07	77.59	7.355	
11,496.68	10,431.18	11,680.43	10,633.90	41.65	43.77	110.75	1,173.90	826.73	572.27	493.36	78.91	7.252	
11,500.00	10,431.19	11,684.09	10,633.91	41.68	43.80	110.75	1,177.56	826.71	572.27	493.32	78.95	7.248	
11,500.38	10,431.19	11,684.09	10,633.91	41.68	43.80	110.75	1,177.56	826.72	572.27	493.31	78.96	7.248	
11,600.00	10,431.63	11,783.71	10,634.32	42.49	44.55	110.74	1,277.18	826.32	572.28	491.86	80.42	7.116	
11,700.00	10,432.06	11,883.71	10,634.73	43.34	45.36	110.74	1,377.18	825.93	572.29	490.32	81.97	6.982	
11,800.00	10,432.50	11,983.71	10,635.14	44.24	46.20	110.74	1,477.18	825.53	572.30	488.69	83.61	6.844	
11,900.00	10,432.94	12,083.71	10,635.55	45.17	47.09	110.73	1,577.18	825.14	572.31	486.97	85.34	6.706	
12,000.00	10,433.37	12,183.71	10,635.96	46.15	48.02	110.73	1,677.17	824.74	572.32	485.18	87.15	6.567	
12,100.00	10,433.81	12,283.71	10,636.37	47.17	48.99	110.73	1,777.17	824.34	572.33	483.31	89.02	6.429	
12,200.00	10,434.25	12,383.71	10,636.78	48.22	49.99	110.72	1,877.17	823.95	572.35	481.38	90.97	6.292	
12,300.00	10,434.69	12,483.71	10,637.19	49.30	51.02	110.72	1,977.17	823.55	572.36	479.38	92.98	6.156	
12,400.00	10,435.12	12,583.71	10,637.60	50.41	52.09	110.72	2,077.17	823.16	572.37	477.31	95.05	6.022	
12,500.00	10,435.56	12,683.71	10,638.01	51.56	53.18	110.71	2,177.17	822.76	572.38	475.20	97.18	5.890	
12,600.00	10,436.00	12,783.71	10,638.42	52.72	54.31	110.71	2,277.16	822.37	572.39	473.03	99.36	5.760	
12,700.00	10,436.43	12,883.71	10,638.83	53.92	55.46	110.71	2,377.16	821.97	572.40	470.81	101.60	5.634	
12,800.00	10,436.87	12,983.71	10,639.24	55.13	56.63	110.70	2,477.16	821.58	572.41	468.54	103.87	5.511	
12,900.00	10,437.31	13,083.71	10,639.65	56.37	57.82	110.70	2,577.16	821.18	572.42	466.23	106.20	5.390	
13,000.00	10,437.74	13,183.71	10,640.06	57.63	59.04	110.70	2,677.16	820.79	572.44	463.88	108.56	5.273	
13,100.00	10,438.18	13,283.71	10,640.47	58.91	60.28	110.69	2,777.16	820.39	572.45	461.49	110.96	5.159	
13,200.00	10,438.62	13,383.71	10,640.88	60.20	61.54	110.69	2,877.15	820.00	572.46	459.06	113.39	5.048	
13,300.00	10,439.05	13,483.71	10,641.29	61.51	62.81	110.69	2,977.15	819.60	572.47	456.60	115.86	4.941	
13,400.00	10,439.49	13,583.71	10,641.70	62.84	64.10	110.68	3,077.15	819.21	572.48	454.12	118.37	4.837	
13,500.00	10,439.93	13,683.71	10,642.11	64.18	65.41	110.68	3,177.15	818.81	572.49	451.60	120.90	4.735	
13,600.00	10,440.36	13,783.71	10,642.52	65.54	66.73	110.68	3,277.15	818.42	572.50	449.05	123.45	4.637	
13,700.00	10,440.80	13,883.71	10,642.93	66.91	68.07	110.67	3,377.15	818.02	572.51	446.48	126.04	4.542	
13,800.00	10,441.24	13,983.71	10,643.34	68.29	69.42	110.67	3,477.14	817.62	572.52	443.88	128.65	4.450	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

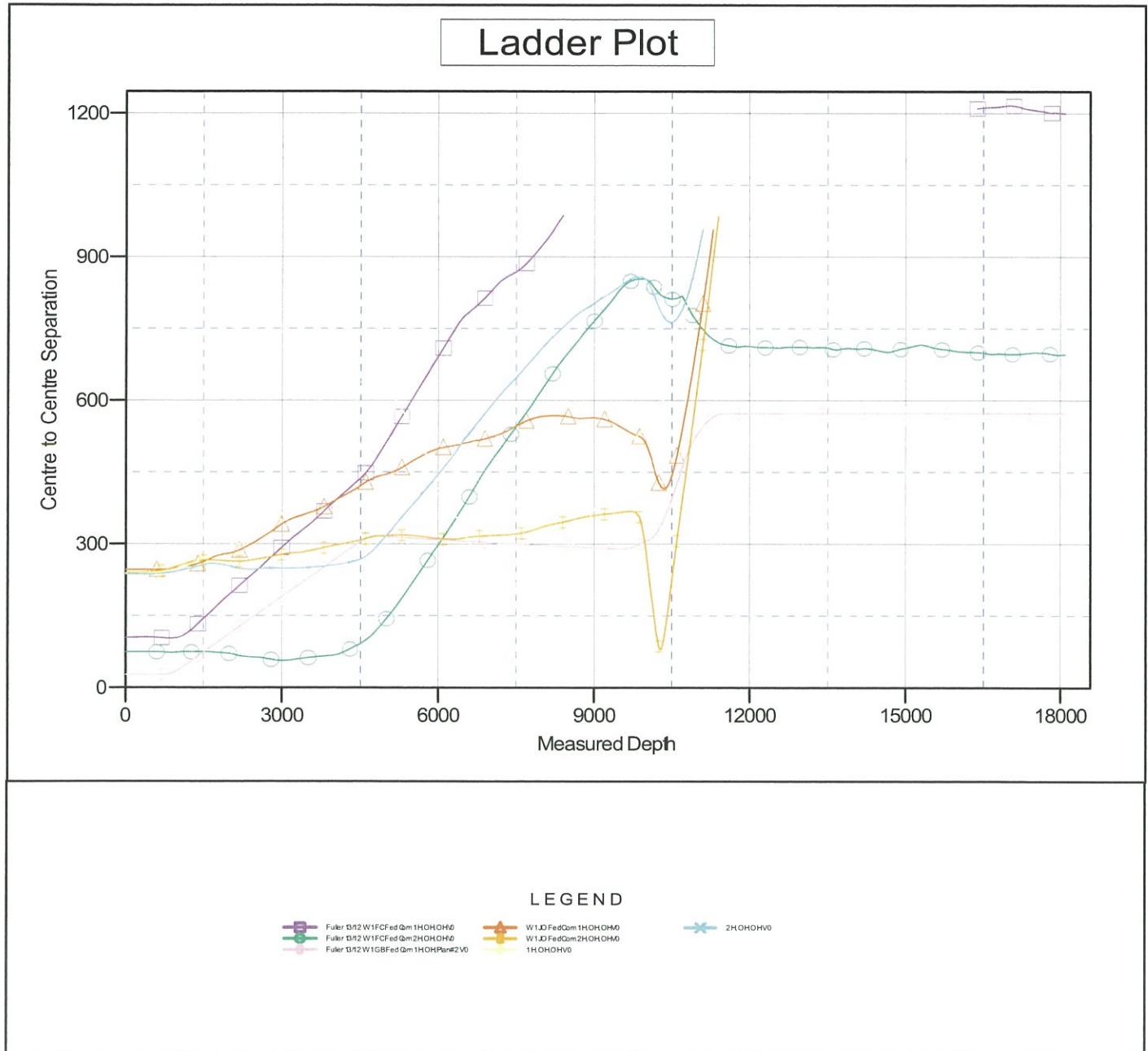
Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design: Fuller Pad - Fuller 13/12 W1GB Fed Com 1H - OH - Plan #2														Offset Site Error:	0.00 usft
Survey Program: 0-MWD														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
13,900.00	10,441.67	14,083.71	10,643.75	69.68	70.78	110.67	3,577.14	817.23	572.54	441.26	131.28	4.361			
14,000.00	10,442.11	14,183.71	10,644.16	71.09	72.16	110.67	3,677.14	816.83	572.55	438.62	133.93	4.275			
14,100.00	10,442.55	14,283.71	10,644.57	72.50	73.54	110.66	3,777.14	816.44	572.56	435.96	136.60	4.191			
14,200.00	10,442.98	14,383.71	10,644.98	73.93	74.94	110.66	3,877.14	816.04	572.57	433.27	139.30	4.110			
14,300.00	10,443.42	14,483.71	10,645.39	75.36	76.34	110.66	3,977.14	815.65	572.58	430.57	142.01	4.032			
14,400.00	10,443.86	14,583.71	10,645.80	76.80	77.76	110.65	4,077.13	815.25	572.59	427.86	144.73	3.956			
14,500.00	10,444.29	14,683.71	10,646.21	78.25	79.18	110.65	4,177.13	814.86	572.60	425.13	147.48	3.883			
14,600.00	10,444.73	14,783.71	10,646.62	79.71	80.62	110.65	4,277.13	814.46	572.61	422.38	150.24	3.811			
14,700.00	10,445.17	14,883.71	10,647.03	81.17	82.06	110.64	4,377.13	814.07	572.63	419.61	153.01	3.742			
14,800.00	10,445.60	14,983.71	10,647.44	82.64	83.50	110.64	4,477.13	813.67	572.64	416.84	155.80	3.676			
14,900.00	10,446.04	15,083.71	10,647.85	84.12	84.96	110.64	4,577.13	813.28	572.65	414.05	158.60	3.611			
15,000.00	10,446.48	15,183.71	10,648.26	85.60	86.42	110.63	4,677.12	812.88	572.66	411.25	161.41	3.548			
15,100.00	10,446.91	15,283.71	10,648.67	87.09	87.89	110.63	4,777.12	812.49	572.67	408.44	164.24	3.487			
15,200.00	10,447.35	15,383.71	10,649.08	88.59	89.37	110.63	4,877.12	812.09	572.68	405.61	167.07	3.428			
15,300.00	10,447.79	15,483.71	10,649.49	90.09	90.85	110.62	4,977.12	811.69	572.69	402.78	169.92	3.370			
15,400.00	10,448.23	15,583.71	10,649.90	91.59	92.33	110.62	5,077.12	811.30	572.70	399.93	172.77	3.315			
15,500.00	10,448.66	15,683.71	10,650.31	93.10	93.82	110.62	5,177.12	810.90	572.72	397.08	175.64	3.261			
15,600.00	10,449.10	15,783.71	10,650.72	94.62	95.32	110.61	5,277.12	810.51	572.73	394.21	178.51	3.208			
15,700.00	10,449.54	15,883.71	10,651.13	96.14	96.82	110.61	5,377.11	810.11	572.74	391.34	181.40	3.157			
15,800.00	10,449.97	15,983.71	10,651.54	97.66	98.33	110.61	5,477.11	809.72	572.75	388.46	184.29	3.108			
15,900.00	10,450.41	16,083.71	10,651.95	99.19	99.84	110.60	5,577.11	809.32	572.76	385.57	187.19	3.060			
16,000.00	10,450.85	16,183.71	10,652.36	100.72	101.35	110.60	5,677.11	808.93	572.77	382.68	190.09	3.013			
16,100.00	10,451.28	16,283.71	10,652.77	102.25	102.87	110.60	5,777.11	808.53	572.78	379.78	193.01	2.968			
16,200.00	10,451.72	16,383.71	10,653.18	103.79	104.40	110.59	5,877.11	808.14	572.79	376.87	195.93	2.923			
16,300.00	10,452.16	16,483.71	10,653.59	105.33	105.92	110.59	5,977.10	807.74	572.81	373.95	198.86	2.881			
16,400.00	10,452.59	16,583.71	10,654.00	106.87	107.45	110.59	6,077.10	807.35	572.82	371.03	201.79	2.839			
16,500.00	10,453.03	16,683.71	10,654.41	108.42	108.99	110.58	6,177.10	806.95	572.83	368.10	204.73	2.798			
16,600.00	10,453.47	16,783.71	10,654.82	109.97	110.52	110.58	6,277.10	806.56	572.84	365.16	207.68	2.758			
16,700.00	10,453.90	16,883.71	10,655.23	111.52	112.06	110.58	6,377.10	806.16	572.85	362.22	210.63	2.720			
16,800.00	10,454.34	16,983.71	10,655.64	113.08	113.60	110.57	6,477.10	805.77	572.86	359.28	213.58	2.682			
16,900.00	10,454.78	17,083.71	10,656.05	114.64	115.15	110.57	6,577.09	805.37	572.87	356.33	216.54	2.646			
17,000.00	10,455.21	17,183.71	10,656.46	116.20	116.70	110.57	6,677.09	804.97	572.88	353.37	219.51	2.610			
17,100.00	10,455.65	17,283.71	10,656.87	117.76	118.25	110.56	6,777.09	804.58	572.90	350.41	222.48	2.575			
17,200.00	10,456.09	17,383.71	10,657.28	119.33	119.80	110.56	6,877.09	804.18	572.91	347.45	225.46	2.541			
17,300.00	10,456.52	17,483.71	10,657.69	120.89	121.36	110.56	6,977.09	803.79	572.92	344.48	228.44	2.508			
17,400.00	10,456.96	17,583.71	10,658.10	122.46	122.92	110.55	7,077.09	803.39	572.93	341.51	231.42	2.476			
17,500.00	10,457.40	17,683.71	10,658.51	124.03	124.48	110.55	7,177.08	803.00	572.94	338.53	234.41	2.444			
17,600.00	10,457.83	17,783.71	10,658.92	125.61	126.04	110.55	7,277.08	802.60	572.95	335.55	237.40	2.413			
17,700.00	10,458.27	17,883.71	10,659.33	127.18	127.60	110.54	7,377.08	802.21	572.96	332.56	240.40	2.383			
17,800.00	10,458.71	17,983.71	10,659.74	128.76	129.17	110.54	7,477.08	801.81	572.97	329.58	243.40	2.354			
17,900.00	10,459.14	18,083.71	10,660.15	130.34	130.74	110.54	7,577.08	801.42	572.99	326.58	246.40	2.325			
18,000.00	10,459.58	18,183.71	10,660.56	131.92	132.31	110.53	7,677.08	801.02	573.00	323.59	249.41	2.297			
18,095.93	10,460.00	18,279.64	10,660.96	133.44	133.82	110.53	7,773.01	800.64	573.01	320.71	252.29	2.271 SF			

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1GB Fed Com 2Y
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Reference Site:	Fuller Pad	MD Reference:	KB=28' @ 3030.00usft (Patterson 562)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Fuller 13/12 W1GB Fed Com 2Y	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=28' @ 3030.00usft (Patterson 562)
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Fuller 13/12 W1GB Fed Com 2Y
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.21°



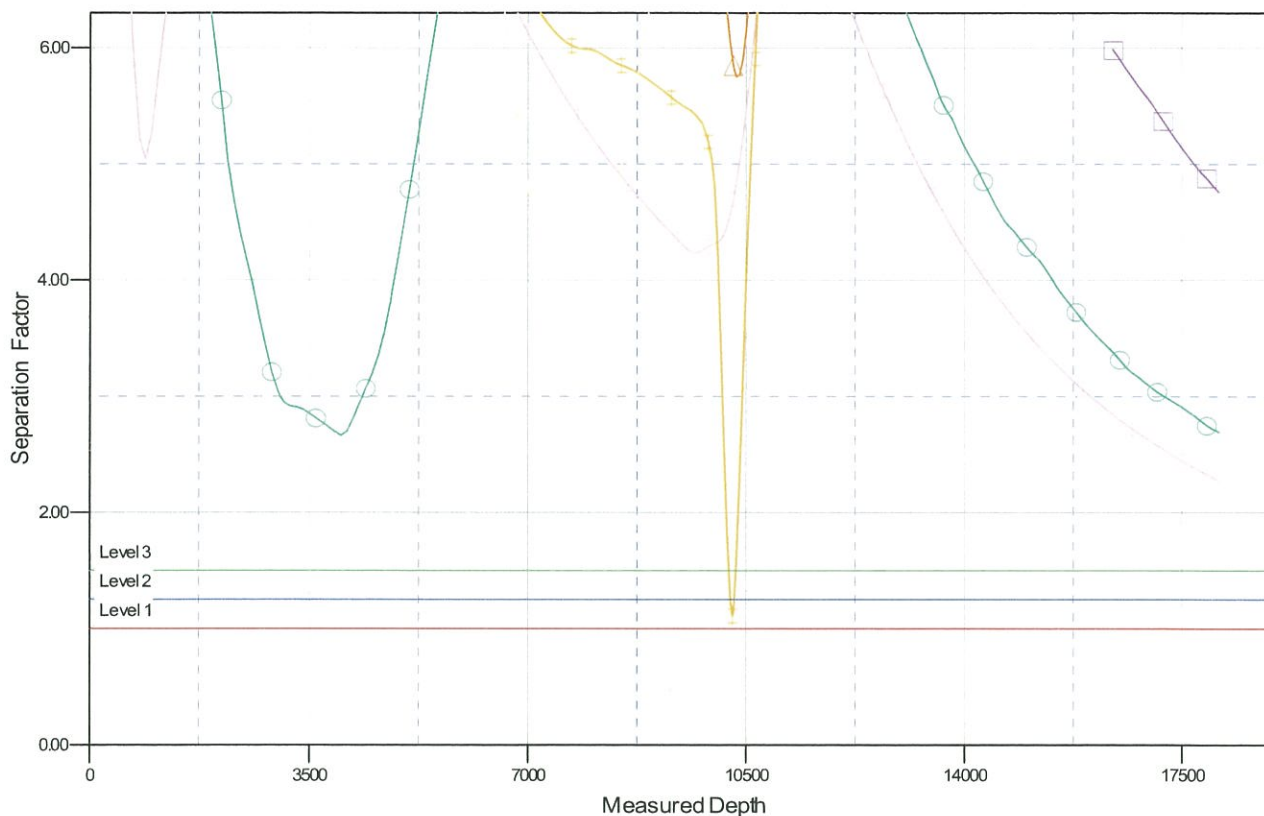
Company: Mewbourne Oil Company
Project: Eddy Co., NM (NAD 83)
Reference Site: Fuller Pad
Site Error: 0.00 usft
Reference Well: Fuller 13/12 W1GB Fed Com 2Y
Well Error: 0.00 usft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Fuller 13/12 W1GB Fed Com 2Y
TVD Reference: KB=28' @ 3030.00usft (Patterson 562)
MD Reference: KB=28' @ 3030.00usft (Patterson 562)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to KB=28' @ 3030.00usft (Patterson 562)
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Fuller 13/12 W1GB Fed Com 2Y
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.21°

Separation Factor Plot



LEGEND

Fuller D512 W1FCFed Qm 1HOHOH0
 Fuller D512 W1FCFed Qm 2HOHOH0
 Fuller D512 W1GBFed Qm 1HOHPare2 V0
 W1JO FedQm 1HOHOH0
 W1JO FedQm 2HOHOH0
 2HOHOH0