

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Kansas 21/28 W01P Fed Com #2H

Sec 21, T24S, R28E

SL: 2525' FSL & 705' FEL, Sec 21

BHL: 330' FSL & 440' FEL, Sec 28

Plan: Design #1

Standard Planning Report

20 April, 2018

EXHIBIT 9

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Kansas 21/28 W0IP Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W0IP Fed Com #2H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #1		

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

Site		Kansas 21/28 W0IP Fed Com #2H			
Site Position:		Northing:	437,653.00 usft	Latitude:	32.2029442
From:	Map	Easting:	617,697.00 usft	Longitude:	-104.0864579
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well		Sec 21, T24S, R28E				
Well Position	+N/-S	0.0 usft	Northing:	437,653.00 usft	Latitude:	32.2029442
	+E/-W	0.0 usft	Easting:	617,697.00 usft	Longitude:	-104.0864579
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,050.0 usft	Ground Level:	3,023.0 usft	

Wellbore	BHL: 330' FSL & 440' FEL, Sec 28				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/20/2018	6.98	59.91	47,869

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	177.09

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,683.4	2.75	58.69	2,683.4	2.3	3.8	1.50	1.50	0.00	58.69	
8,912.4	2.75	58.69	8,905.2	157.7	259.2	0.00	0.00	0.00	0.00	
9,095.9	0.00	0.00	9,088.5	160.0	263.0	1.50	-1.50	0.00	180.00	KOP @ 9089'
9,845.0	89.90	179.10	9,566.0	-316.5	270.5	12.00	12.00	0.00	179.10	
17,087.4	89.90	179.10	9,579.0	-7,558.0	384.0	0.00	0.00	0.00	0.00	BHL: 330' FSL & 440'

Planning Report

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Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W01P Fed Com #2H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SL: 2525' FSL & 705' FEL, Sec 21									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	1.50	58.69	2,600.0	0.7	1.1	-0.6	1.50	1.50	0.00
2,683.4	2.75	58.69	2,683.4	2.3	3.8	-2.1	1.50	1.50	0.00
2,700.0	2.75	58.69	2,699.9	2.7	4.4	-2.5	0.00	0.00	0.00
2,800.0	2.75	58.69	2,799.8	5.2	8.5	-4.8	0.00	0.00	0.00
2,900.0	2.75	58.69	2,899.7	7.7	12.6	-7.0	0.00	0.00	0.00
3,000.0	2.75	58.69	2,999.6	10.2	16.7	-9.3	0.00	0.00	0.00
3,100.0	2.75	58.69	3,099.4	12.7	20.8	-11.6	0.00	0.00	0.00
3,200.0	2.75	58.69	3,199.3	15.2	24.9	-13.9	0.00	0.00	0.00
3,300.0	2.75	58.69	3,299.2	17.7	29.0	-16.2	0.00	0.00	0.00
3,400.0	2.75	58.69	3,399.1	20.2	33.2	-18.5	0.00	0.00	0.00
3,500.0	2.75	58.69	3,499.0	22.7	37.3	-20.7	0.00	0.00	0.00
3,600.0	2.75	58.69	3,598.9	25.2	41.4	-23.0	0.00	0.00	0.00
3,700.0	2.75	58.69	3,698.8	27.7	45.5	-25.3	0.00	0.00	0.00
3,800.0	2.75	58.69	3,798.6	30.1	49.6	-27.6	0.00	0.00	0.00
3,900.0	2.75	58.69	3,898.5	32.6	53.7	-29.9	0.00	0.00	0.00
4,000.0	2.75	58.69	3,998.4	35.1	57.8	-32.2	0.00	0.00	0.00
4,100.0	2.75	58.69	4,098.3	37.6	61.9	-34.4	0.00	0.00	0.00
4,200.0	2.75	58.69	4,198.2	40.1	66.0	-36.7	0.00	0.00	0.00
4,300.0	2.75	58.69	4,298.1	42.6	70.1	-39.0	0.00	0.00	0.00
4,400.0	2.75	58.69	4,398.0	45.1	74.2	-41.3	0.00	0.00	0.00
4,500.0	2.75	58.69	4,497.8	47.6	78.3	-43.6	0.00	0.00	0.00
4,600.0	2.75	58.69	4,597.7	50.1	82.4	-45.9	0.00	0.00	0.00
4,700.0	2.75	58.69	4,697.6	52.6	86.5	-48.1	0.00	0.00	0.00
4,800.0	2.75	58.69	4,797.5	55.1	90.6	-50.4	0.00	0.00	0.00
4,900.0	2.75	58.69	4,897.4	57.6	94.7	-52.7	0.00	0.00	0.00
5,000.0	2.75	58.69	4,997.3	60.1	98.8	-55.0	0.00	0.00	0.00
5,100.0	2.75	58.69	5,097.1	62.6	102.9	-57.3	0.00	0.00	0.00

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Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #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)
5,200.0	2.75	58.69	5,197.0	65.1	107.0	-59.6	0.00	0.00	0.00
5,300.0	2.75	58.69	5,296.9	67.6	111.1	-61.9	0.00	0.00	0.00
5,400.0	2.75	58.69	5,396.8	70.1	115.2	-64.1	0.00	0.00	0.00
5,500.0	2.75	58.69	5,496.7	72.6	119.3	-66.4	0.00	0.00	0.00
5,600.0	2.75	58.69	5,596.6	75.1	123.4	-68.7	0.00	0.00	0.00
5,700.0	2.75	58.69	5,696.5	77.6	127.5	-71.0	0.00	0.00	0.00
5,800.0	2.75	58.69	5,796.3	80.1	131.6	-73.3	0.00	0.00	0.00
5,900.0	2.75	58.69	5,896.2	82.5	135.7	-75.6	0.00	0.00	0.00
6,000.0	2.75	58.69	5,996.1	85.0	139.8	-77.8	0.00	0.00	0.00
6,100.0	2.75	58.69	6,096.0	87.5	143.9	-80.1	0.00	0.00	0.00
6,200.0	2.75	58.69	6,195.9	90.0	148.0	-82.4	0.00	0.00	0.00
6,300.0	2.75	58.69	6,295.8	92.5	152.1	-84.7	0.00	0.00	0.00
6,400.0	2.75	58.69	6,395.6	95.0	156.2	-87.0	0.00	0.00	0.00
6,500.0	2.75	58.69	6,495.5	97.5	160.3	-89.3	0.00	0.00	0.00
6,600.0	2.75	58.69	6,595.4	100.0	164.4	-91.5	0.00	0.00	0.00
6,700.0	2.75	58.69	6,695.3	102.5	168.5	-93.8	0.00	0.00	0.00
6,800.0	2.75	58.69	6,795.2	105.0	172.6	-96.1	0.00	0.00	0.00
6,900.0	2.75	58.69	6,895.1	107.5	176.7	-98.4	0.00	0.00	0.00
7,000.0	2.75	58.69	6,995.0	110.0	180.8	-100.7	0.00	0.00	0.00
7,100.0	2.75	58.69	7,094.8	112.5	184.9	-103.0	0.00	0.00	0.00
7,200.0	2.75	58.69	7,194.7	115.0	189.0	-105.2	0.00	0.00	0.00
7,300.0	2.75	58.69	7,294.6	117.5	193.1	-107.5	0.00	0.00	0.00
7,400.0	2.75	58.69	7,394.5	120.0	197.2	-109.8	0.00	0.00	0.00
7,500.0	2.75	58.69	7,494.4	122.5	201.3	-112.1	0.00	0.00	0.00
7,600.0	2.75	58.69	7,594.3	125.0	205.4	-114.4	0.00	0.00	0.00
7,700.0	2.75	58.69	7,694.1	127.5	209.5	-116.7	0.00	0.00	0.00
7,800.0	2.75	58.69	7,794.0	130.0	213.6	-118.9	0.00	0.00	0.00
7,900.0	2.75	58.69	7,893.9	132.4	217.7	-121.2	0.00	0.00	0.00
8,000.0	2.75	58.69	7,993.8	134.9	221.8	-123.5	0.00	0.00	0.00
8,100.0	2.75	58.69	8,093.7	137.4	225.9	-125.8	0.00	0.00	0.00
8,200.0	2.75	58.69	8,193.6	139.9	230.0	-128.1	0.00	0.00	0.00
8,300.0	2.75	58.69	8,293.5	142.4	234.1	-130.4	0.00	0.00	0.00
8,400.0	2.75	58.69	8,393.3	144.9	238.2	-132.7	0.00	0.00	0.00
8,500.0	2.75	58.69	8,493.2	147.4	242.3	-134.9	0.00	0.00	0.00
8,600.0	2.75	58.69	8,593.1	149.9	246.4	-137.2	0.00	0.00	0.00
8,700.0	2.75	58.69	8,693.0	152.4	250.5	-139.5	0.00	0.00	0.00
8,800.0	2.75	58.69	8,792.9	154.9	254.6	-141.8	0.00	0.00	0.00
8,900.0	2.75	58.69	8,892.8	157.4	258.7	-144.1	0.00	0.00	0.00
8,912.4	2.75	58.69	8,905.2	157.7	259.2	-144.4	0.00	0.00	0.00
9,000.0	1.44	58.69	8,992.7	159.4	262.0	-145.9	1.50	-1.50	0.00
9,095.9	0.00	0.00	9,088.5	160.0	263.0	-146.4	1.50	-1.50	0.00
KOP @ 9089'									
9,100.0	0.50	179.10	9,092.7	160.0	263.0	-146.4	12.00	12.00	0.00
9,200.0	12.50	179.10	9,191.9	148.7	263.2	-135.1	12.00	12.00	0.00
9,300.0	24.50	179.10	9,286.5	117.0	263.7	-103.5	12.00	12.00	0.00
9,400.0	36.50	179.10	9,372.5	66.4	264.5	-52.9	12.00	12.00	0.00
9,500.0	48.50	179.10	9,446.1	-1.0	265.5	14.5	12.00	12.00	0.00
9,600.0	60.50	179.10	9,504.1	-82.3	266.8	95.7	12.00	12.00	0.00
9,689.7	71.26	179.10	9,540.7	-164.0	268.1	177.4	12.00	12.00	0.00
FTP: 2361' FSL & 440' FEL, Sec 21									
9,700.0	72.50	179.10	9,543.9	-173.8	268.2	187.2	12.00	12.00	0.00
9,800.0	84.50	179.10	9,563.8	-271.6	269.8	285.0	12.00	12.00	0.00
9,845.0	89.89	179.10	9,566.0	-316.5	270.5	329.8	12.00	12.00	0.00

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Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #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)
LP: 2209' FSL & 440' FEL, Sec 21									
9,900.0	89.90	179.10	9,566.1	-371.5	271.3	384.8	0.01	0.01	0.00
10,000.0	89.90	179.10	9,566.3	-471.5	272.9	484.8	0.00	0.00	0.00
10,100.0	89.90	179.10	9,566.5	-571.5	274.5	584.7	0.00	0.00	0.00
10,200.0	89.90	179.10	9,566.6	-671.5	276.0	684.6	0.00	0.00	0.00
10,300.0	89.90	179.10	9,566.8	-771.5	277.6	784.6	0.00	0.00	0.00
10,400.0	89.90	179.10	9,567.0	-871.5	279.2	884.5	0.00	0.00	0.00
10,500.0	89.90	179.10	9,567.2	-971.5	280.7	984.5	0.00	0.00	0.00
10,600.0	89.90	179.10	9,567.4	-1,071.5	282.3	1,084.4	0.00	0.00	0.00
10,700.0	89.90	179.10	9,567.5	-1,171.4	283.9	1,184.3	0.00	0.00	0.00
10,703.6	89.90	179.10	9,567.5	-1,175.0	283.9	1,187.9	0.00	0.00	0.00
PPP2: 1346' FSL & 440' FEL, Sec 21									
10,800.0	89.90	179.10	9,567.7	-1,271.4	285.4	1,284.3	0.00	0.00	0.00
10,900.0	89.90	179.10	9,567.9	-1,371.4	287.0	1,384.2	0.00	0.00	0.00
11,000.0	89.90	179.10	9,568.1	-1,471.4	288.6	1,484.1	0.00	0.00	0.00
11,100.0	89.90	179.10	9,568.3	-1,571.4	290.1	1,584.1	0.00	0.00	0.00
11,200.0	89.90	179.10	9,568.4	-1,671.4	291.7	1,684.0	0.00	0.00	0.00
11,300.0	89.90	179.10	9,568.6	-1,771.4	293.3	1,784.0	0.00	0.00	0.00
11,400.0	89.90	179.10	9,568.8	-1,871.4	294.8	1,883.9	0.00	0.00	0.00
11,500.0	89.90	179.10	9,569.0	-1,971.3	296.4	1,983.8	0.00	0.00	0.00
11,600.0	89.90	179.10	9,569.2	-2,071.3	298.0	2,083.8	0.00	0.00	0.00
11,700.0	89.90	179.10	9,569.3	-2,171.3	299.5	2,183.7	0.00	0.00	0.00
11,800.0	89.90	179.10	9,569.5	-2,271.3	301.1	2,283.7	0.00	0.00	0.00
11,900.0	89.90	179.10	9,569.7	-2,371.3	302.7	2,383.6	0.00	0.00	0.00
12,000.0	89.90	179.10	9,569.9	-2,471.3	304.3	2,483.5	0.00	0.00	0.00
12,100.0	89.90	179.10	9,570.0	-2,571.3	305.8	2,583.5	0.00	0.00	0.00
12,200.0	89.90	179.10	9,570.2	-2,671.3	307.4	2,683.4	0.00	0.00	0.00
12,300.0	89.90	179.10	9,570.4	-2,771.2	309.0	2,783.3	0.00	0.00	0.00
12,400.0	89.90	179.10	9,570.6	-2,871.2	310.5	2,883.3	0.00	0.00	0.00
12,500.0	89.90	179.10	9,570.8	-2,971.2	312.1	2,983.2	0.00	0.00	0.00
12,600.0	89.90	179.10	9,570.9	-3,071.2	313.7	3,083.2	0.00	0.00	0.00
12,700.0	89.90	179.10	9,571.1	-3,171.2	315.2	3,183.1	0.00	0.00	0.00
12,800.0	89.90	179.10	9,571.3	-3,271.2	316.8	3,283.0	0.00	0.00	0.00
12,900.0	89.90	179.10	9,571.5	-3,371.2	318.4	3,383.0	0.00	0.00	0.00
13,000.0	89.90	179.10	9,571.7	-3,471.2	319.9	3,482.9	0.00	0.00	0.00
13,100.0	89.90	179.10	9,571.8	-3,571.1	321.5	3,582.9	0.00	0.00	0.00
13,200.0	89.90	179.10	9,572.0	-3,671.1	323.1	3,682.8	0.00	0.00	0.00
13,300.0	89.90	179.10	9,572.2	-3,771.1	324.6	3,782.7	0.00	0.00	0.00
13,400.0	89.90	179.10	9,572.4	-3,871.1	326.2	3,882.7	0.00	0.00	0.00
13,500.0	89.90	179.10	9,572.6	-3,971.1	327.8	3,982.6	0.00	0.00	0.00
13,600.0	89.90	179.10	9,572.7	-4,071.1	329.3	4,082.5	0.00	0.00	0.00
13,700.0	89.90	179.10	9,572.9	-4,171.1	330.9	4,182.5	0.00	0.00	0.00
13,800.0	89.90	179.10	9,573.1	-4,271.1	332.5	4,282.4	0.00	0.00	0.00
13,900.0	89.90	179.10	9,573.3	-4,371.0	334.0	4,382.4	0.00	0.00	0.00
14,000.0	89.90	179.10	9,573.5	-4,471.0	335.6	4,482.3	0.00	0.00	0.00
14,100.0	89.90	179.10	9,573.6	-4,571.0	337.2	4,582.2	0.00	0.00	0.00
14,200.0	89.90	179.10	9,573.8	-4,671.0	338.7	4,682.2	0.00	0.00	0.00
14,300.0	89.90	179.10	9,574.0	-4,771.0	340.3	4,782.1	0.00	0.00	0.00
14,400.0	89.90	179.10	9,574.2	-4,871.0	341.9	4,882.1	0.00	0.00	0.00
14,500.0	89.90	179.10	9,574.4	-4,971.0	343.4	4,982.0	0.00	0.00	0.00
14,600.0	89.90	179.10	9,574.5	-5,071.0	345.0	5,081.9	0.00	0.00	0.00
14,700.0	89.90	179.10	9,574.7	-5,170.9	346.6	5,181.9	0.00	0.00	0.00
14,800.0	89.90	179.10	9,574.9	-5,270.9	348.1	5,281.8	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Kansas 21/28 W0IP Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W0IP Fed Com #2H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #1		

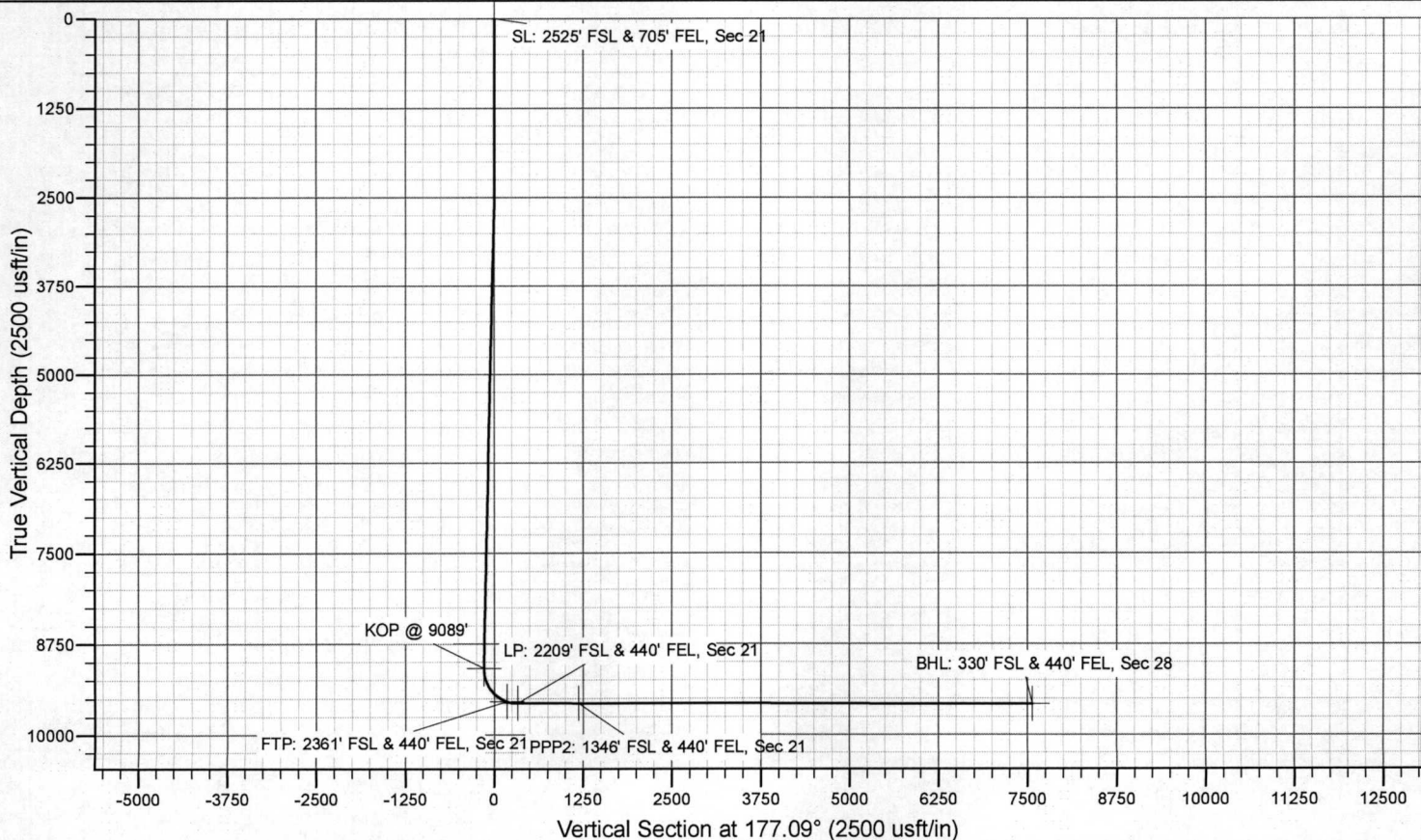
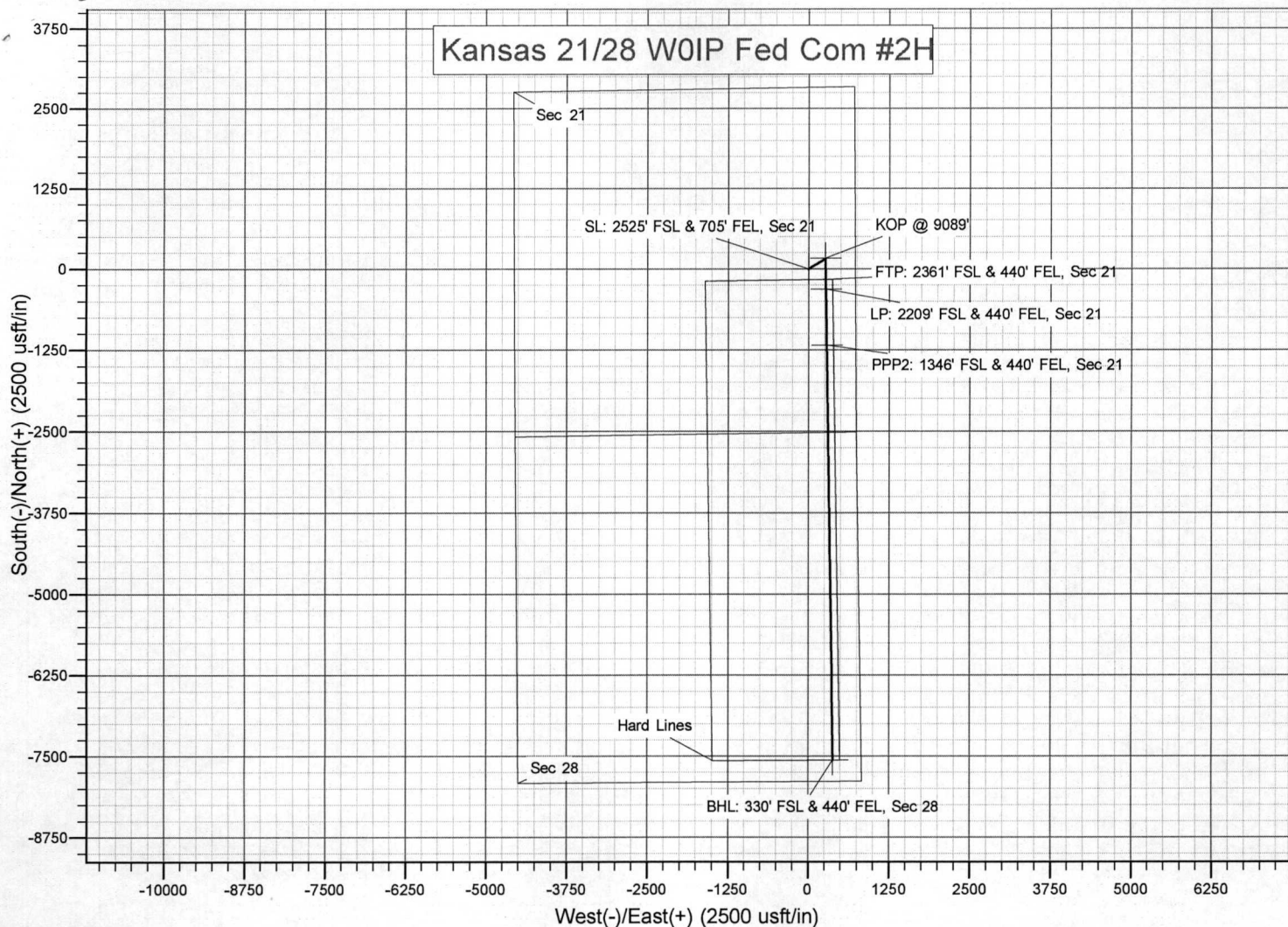
Planned Survey

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)
14,900.0	89.90	179.10	9,575.1	-5,370.9	349.7	5,381.7	0.00	0.00	0.00
15,000.0	89.90	179.10	9,575.3	-5,470.9	351.3	5,481.7	0.00	0.00	0.00
15,100.0	89.90	179.10	9,575.4	-5,570.9	352.8	5,581.6	0.00	0.00	0.00
15,200.0	89.90	179.10	9,575.6	-5,670.9	354.4	5,681.6	0.00	0.00	0.00
15,300.0	89.90	179.10	9,575.8	-5,770.9	356.0	5,781.5	0.00	0.00	0.00
15,400.0	89.90	179.10	9,576.0	-5,870.9	357.5	5,881.4	0.00	0.00	0.00
15,500.0	89.90	179.10	9,576.2	-5,970.8	359.1	5,981.4	0.00	0.00	0.00
15,600.0	89.90	179.10	9,576.3	-6,070.8	360.7	6,081.3	0.00	0.00	0.00
15,700.0	89.90	179.10	9,576.5	-6,170.8	362.3	6,181.2	0.00	0.00	0.00
15,800.0	89.90	179.10	9,576.7	-6,270.8	363.8	6,281.2	0.00	0.00	0.00
15,900.0	89.90	179.10	9,576.9	-6,370.8	365.4	6,381.1	0.00	0.00	0.00
16,000.0	89.90	179.10	9,577.0	-6,470.8	367.0	6,481.1	0.00	0.00	0.00
16,100.0	89.90	179.10	9,577.2	-6,570.8	368.5	6,581.0	0.00	0.00	0.00
16,200.0	89.90	179.10	9,577.4	-6,670.8	370.1	6,680.9	0.00	0.00	0.00
16,300.0	89.90	179.10	9,577.6	-6,770.7	371.7	6,780.9	0.00	0.00	0.00
16,400.0	89.90	179.10	9,577.8	-6,870.7	373.2	6,880.8	0.00	0.00	0.00
16,500.0	89.90	179.10	9,577.9	-6,970.7	374.8	6,980.8	0.00	0.00	0.00
16,600.0	89.90	179.10	9,578.1	-7,070.7	376.4	7,080.7	0.00	0.00	0.00
16,700.0	89.90	179.10	9,578.3	-7,170.7	377.9	7,180.6	0.00	0.00	0.00
16,800.0	89.90	179.10	9,578.5	-7,270.7	379.5	7,280.6	0.00	0.00	0.00
16,900.0	89.90	179.10	9,578.7	-7,370.7	381.1	7,380.5	0.00	0.00	0.00
17,000.0	89.90	179.10	9,578.8	-7,470.7	382.6	7,480.4	0.00	0.00	0.00
17,087.4	89.90	179.10	9,579.0	-7,558.0	384.0	7,567.7	0.00	0.00	0.00
BHL: 330' FSL & 440' FEL, Sec 28									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SL: 2525' FSL & 705' FE - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	437,653.00	617,697.00	32.2029442	-104.0864579
KOP @ 9089' - plan hits target center - Point	0.00	0.00	9,088.5	160.0	263.0	437,813.00	617,960.00	32.2033824	-104.0856064
FTP: 2361' FSL & 440' F - plan hits target center - Point	0.00	0.00	9,540.7	-164.0	268.1	437,489.00	617,965.08	32.2024917	-104.0855924
LP: 2209' FSL & 440' FE - plan hits target center - Point	0.00	0.00	9,566.0	-316.5	270.5	437,336.50	617,967.50	32.2020725	-104.0855857
PPP2: 1346' FSL & 440' - plan hits target center - Point	0.00	0.00	9,567.5	-1,175.0	283.9	436,478.00	617,980.93	32.1997125	-104.0855487
BHL: 330' FSL & 440' FE - plan hits target center - Point	0.00	0.00	9,579.0	-7,558.0	384.0	430,095.00	618,081.00	32.1821656	-104.0852727

Kansas 21/28 W0IP Fed Com #2H



Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Kansas 21/28 W2IP Fed Com #1H

Sec 21, T24S, R28E

SL: 2525' FSL & 665' FEL, Sec 21

BHL: 330' FSL & 440' FEL, Sec 28

Plan: Design #1

Standard Planning Report

25 April, 2018

EXHIBIT 10

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Kansas 21/28 W2IP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W2IP Fed Com #1H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #1		

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

Site						Kansas 21/28 W2IP Fed Com #1H											
Site Position:			Northing:			437,654.00 usft			Latitude:			32.2029467					
From:			Map			Easting:			617,737.00 usft			Longitude:			-104.0863285		
Position Uncertainty:			0.0 usft			Slot Radius:			13-3/16 "			Grid Convergence:			0.13 °		

Well		Sec 21, T24S, R28E				
Well Position	+N/-S	0.0 usft	Northing:	437,654.00 usft	Latitude:	32.2029467
	+E/-W	0.0 usft	Easting:	617,737.00 usft	Longitude:	-104.0863285
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,050.0 usft	Ground Level:	3,023.0 usft

Wellbore	BHL: 330' FSL & 440' FEL, Sec 28				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/25/2018	6.98	59.91	47,868

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	177.39

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,641.7	2.13	54.51	2,641.7	1.5	2.1	1.50	1.50	0.00	54.51	
9,884.4	2.13	54.51	9,879.4	157.5	220.9	0.00	0.00	0.00	0.00	
10,026.1	0.00	0.00	10,021.0	159.0	223.0	1.50	-1.50	0.00	180.00	KOP @ 10,021'
10,924.4	89.83	179.10	10,594.0	-412.2	232.0	10.00	10.00	0.00	179.10	
18,072.1	89.83	179.10	10,615.0	-7,559.0	344.0	0.00	0.00	0.00	0.00	BHL: 330' FSL & 440'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Kansas 21/28 W2IP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W2IP Fed Com #1H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SL: 2525' FSL & 665' FEL, Sec 21									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	1.50	54.51	2,600.0	0.8	1.1	-0.7	1.50	1.50	0.00
2,641.7	2.13	54.51	2,641.7	1.5	2.1	-1.4	1.50	1.50	0.00
2,700.0	2.13	54.51	2,699.9	2.8	3.9	-2.6	0.00	0.00	0.00
2,800.0	2.13	54.51	2,799.9	4.9	6.9	-4.6	0.00	0.00	0.00
2,900.0	2.13	54.51	2,899.8	7.1	9.9	-6.6	0.00	0.00	0.00
3,000.0	2.13	54.51	2,999.7	9.2	13.0	-8.6	0.00	0.00	0.00
3,100.0	2.13	54.51	3,099.7	11.4	16.0	-10.7	0.00	0.00	0.00
3,200.0	2.13	54.51	3,199.6	13.5	19.0	-12.7	0.00	0.00	0.00
3,300.0	2.13	54.51	3,299.5	15.7	22.0	-14.7	0.00	0.00	0.00
3,400.0	2.13	54.51	3,399.4	17.9	25.0	-16.7	0.00	0.00	0.00
3,500.0	2.13	54.51	3,499.4	20.0	28.1	-18.7	0.00	0.00	0.00
3,600.0	2.13	54.51	3,599.3	22.2	31.1	-20.7	0.00	0.00	0.00
3,700.0	2.13	54.51	3,699.2	24.3	34.1	-22.7	0.00	0.00	0.00
3,800.0	2.13	54.51	3,799.2	26.5	37.1	-24.8	0.00	0.00	0.00
3,900.0	2.13	54.51	3,899.1	28.6	40.1	-26.8	0.00	0.00	0.00
4,000.0	2.13	54.51	3,999.0	30.8	43.2	-28.8	0.00	0.00	0.00
4,100.0	2.13	54.51	4,099.0	32.9	46.2	-30.8	0.00	0.00	0.00
4,200.0	2.13	54.51	4,198.9	35.1	49.2	-32.8	0.00	0.00	0.00
4,300.0	2.13	54.51	4,298.8	37.2	52.2	-34.8	0.00	0.00	0.00
4,400.0	2.13	54.51	4,398.8	39.4	55.2	-36.8	0.00	0.00	0.00
4,500.0	2.13	54.51	4,498.7	41.5	58.3	-38.8	0.00	0.00	0.00
4,600.0	2.13	54.51	4,598.6	43.7	61.3	-40.9	0.00	0.00	0.00
4,700.0	2.13	54.51	4,698.6	45.8	64.3	-42.9	0.00	0.00	0.00
4,800.0	2.13	54.51	4,798.5	48.0	67.3	-44.9	0.00	0.00	0.00
4,900.0	2.13	54.51	4,898.4	50.2	70.3	-46.9	0.00	0.00	0.00
5,000.0	2.13	54.51	4,998.3	52.3	73.4	-48.9	0.00	0.00	0.00
5,100.0	2.13	54.51	5,098.3	54.5	76.4	-50.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Kansas 21/28 W2IP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W2IP Fed Com #1H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #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)
5,200.0	2.13	54.51	5,198.2	56.6	79.4	-52.9	0.00	0.00	0.00
5,300.0	2.13	54.51	5,298.1	58.8	82.4	-55.0	0.00	0.00	0.00
5,400.0	2.13	54.51	5,398.1	60.9	85.4	-57.0	0.00	0.00	0.00
5,500.0	2.13	54.51	5,498.0	63.1	88.5	-59.0	0.00	0.00	0.00
5,600.0	2.13	54.51	5,597.9	65.2	91.5	-61.0	0.00	0.00	0.00
5,700.0	2.13	54.51	5,697.9	67.4	94.5	-63.0	0.00	0.00	0.00
5,800.0	2.13	54.51	5,797.8	69.5	97.5	-65.0	0.00	0.00	0.00
5,900.0	2.13	54.51	5,897.7	71.7	100.5	-67.0	0.00	0.00	0.00
6,000.0	2.13	54.51	5,997.7	73.8	103.6	-69.1	0.00	0.00	0.00
6,100.0	2.13	54.51	6,097.6	76.0	106.6	-71.1	0.00	0.00	0.00
6,200.0	2.13	54.51	6,197.5	78.1	109.6	-73.1	0.00	0.00	0.00
6,300.0	2.13	54.51	6,297.5	80.3	112.6	-75.1	0.00	0.00	0.00
6,400.0	2.13	54.51	6,397.4	82.4	115.6	-77.1	0.00	0.00	0.00
6,500.0	2.13	54.51	6,497.3	84.6	118.7	-79.1	0.00	0.00	0.00
6,600.0	2.13	54.51	6,597.2	86.8	121.7	-81.1	0.00	0.00	0.00
6,700.0	2.13	54.51	6,697.2	88.9	124.7	-83.1	0.00	0.00	0.00
6,800.0	2.13	54.51	6,797.1	91.1	127.7	-85.2	0.00	0.00	0.00
6,900.0	2.13	54.51	6,897.0	93.2	130.7	-87.2	0.00	0.00	0.00
7,000.0	2.13	54.51	6,997.0	95.4	133.8	-89.2	0.00	0.00	0.00
7,100.0	2.13	54.51	7,096.9	97.5	136.8	-91.2	0.00	0.00	0.00
7,200.0	2.13	54.51	7,196.8	99.7	139.8	-93.2	0.00	0.00	0.00
7,300.0	2.13	54.51	7,296.8	101.8	142.8	-95.2	0.00	0.00	0.00
7,400.0	2.13	54.51	7,396.7	104.0	145.8	-97.2	0.00	0.00	0.00
7,500.0	2.13	54.51	7,496.6	106.1	148.9	-99.3	0.00	0.00	0.00
7,600.0	2.13	54.51	7,596.6	108.3	151.9	-101.3	0.00	0.00	0.00
7,700.0	2.13	54.51	7,696.5	110.4	154.9	-103.3	0.00	0.00	0.00
7,800.0	2.13	54.51	7,796.4	112.6	157.9	-105.3	0.00	0.00	0.00
7,900.0	2.13	54.51	7,896.3	114.7	160.9	-107.3	0.00	0.00	0.00
8,000.0	2.13	54.51	7,996.3	116.9	164.0	-109.3	0.00	0.00	0.00
8,100.0	2.13	54.51	8,096.2	119.1	167.0	-111.3	0.00	0.00	0.00
8,200.0	2.13	54.51	8,196.1	121.2	170.0	-113.4	0.00	0.00	0.00
8,300.0	2.13	54.51	8,296.1	123.4	173.0	-115.4	0.00	0.00	0.00
8,400.0	2.13	54.51	8,396.0	125.5	176.0	-117.4	0.00	0.00	0.00
8,500.0	2.13	54.51	8,495.9	127.7	179.1	-119.4	0.00	0.00	0.00
8,600.0	2.13	54.51	8,595.9	129.8	182.1	-121.4	0.00	0.00	0.00
8,700.0	2.13	54.51	8,695.8	132.0	185.1	-123.4	0.00	0.00	0.00
8,800.0	2.13	54.51	8,795.7	134.1	188.1	-125.4	0.00	0.00	0.00
8,900.0	2.13	54.51	8,895.7	136.3	191.1	-127.4	0.00	0.00	0.00
9,000.0	2.13	54.51	8,995.6	138.4	194.2	-129.5	0.00	0.00	0.00
9,100.0	2.13	54.51	9,095.5	140.6	197.2	-131.5	0.00	0.00	0.00
9,200.0	2.13	54.51	9,195.5	142.7	200.2	-133.5	0.00	0.00	0.00
9,300.0	2.13	54.51	9,295.4	144.9	203.2	-135.5	0.00	0.00	0.00
9,400.0	2.13	54.51	9,395.3	147.0	206.2	-137.5	0.00	0.00	0.00
9,500.0	2.13	54.51	9,495.2	149.2	209.3	-139.5	0.00	0.00	0.00
9,600.0	2.13	54.51	9,595.2	151.4	212.3	-141.5	0.00	0.00	0.00
9,700.0	2.13	54.51	9,695.1	153.5	215.3	-143.6	0.00	0.00	0.00
9,800.0	2.13	54.51	9,795.0	155.7	218.3	-145.6	0.00	0.00	0.00
9,884.4	2.13	54.51	9,879.4	157.5	220.9	-147.3	0.00	0.00	0.00
9,900.0	1.89	54.51	9,895.0	157.8	221.3	-147.6	1.50	-1.50	0.00
10,000.0	0.39	54.51	9,995.0	158.9	222.9	-148.6	1.50	-1.50	0.00
10,026.1	0.00	0.00	10,021.0	159.0	223.0	-148.7	1.50	-1.50	0.00
KOP @ 10,021'									
10,100.0	7.39	179.10	10,094.7	154.2	223.1	-143.9	10.00	10.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Kansas 21/28 W2IP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W2IP Fed Com #1H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #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)	
10,200.0	17.39	179.10	10,192.3	132.8	223.4	-122.5	10.00	10.00	0.00	
10,300.0	27.39	179.10	10,284.6	94.8	224.0	-84.5	10.00	10.00	0.00	
10,400.0	37.39	179.10	10,369.0	41.3	224.8	-31.0	10.00	10.00	0.00	
10,500.0	47.39	179.10	10,442.7	-26.0	225.9	36.3	10.00	10.00	0.00	
10,600.0	57.39	179.10	10,503.7	-105.2	227.1	115.4	10.00	10.00	0.00	
10,667.5	64.14	179.10	10,536.6	-164.0	228.1	174.2	10.00	10.00	0.00	
FTP: 2361' FSL & 440' FEL, Sec21										
10,700.0	67.39	179.10	10,550.0	-193.6	228.5	203.8	10.00	10.00	0.00	
10,800.0	77.39	179.10	10,580.2	-288.8	230.0	299.0	10.00	10.00	0.00	
10,900.0	87.39	179.10	10,593.4	-387.8	231.6	397.9	10.00	10.00	0.00	
10,924.4	89.83	179.10	10,594.0	-412.2	232.0	422.3	10.00	10.00	0.00	
LP: 2113' FSL & 440' FEL, Sec 21										
11,000.0	89.83	179.10	10,594.2	-487.8	233.1	497.9	0.00	0.00	0.00	
11,100.0	89.83	179.10	10,594.5	-587.8	234.7	597.8	0.00	0.00	0.00	
11,200.0	89.83	179.10	10,594.8	-687.8	236.3	697.8	0.00	0.00	0.00	
11,300.0	89.83	179.10	10,595.1	-787.7	237.8	797.7	0.00	0.00	0.00	
11,400.0	89.83	179.10	10,595.4	-887.7	239.4	897.7	0.00	0.00	0.00	
11,500.0	89.83	179.10	10,595.7	-987.7	241.0	997.7	0.00	0.00	0.00	
11,600.0	89.83	179.10	10,596.0	-1,087.7	242.5	1,097.6	0.00	0.00	0.00	
11,687.3	89.83	179.10	10,596.2	-1,175.0	243.9	1,184.9	0.00	0.00	0.00	
PPP 2: 1346' FSL & 440' FEL, Sec 21										
11,700.0	89.83	179.10	10,596.3	-1,187.7	244.1	1,197.6	0.00	0.00	0.00	
11,800.0	89.83	179.10	10,596.6	-1,287.7	245.7	1,297.5	0.00	0.00	0.00	
11,900.0	89.83	179.10	10,596.9	-1,387.7	247.2	1,397.5	0.00	0.00	0.00	
12,000.0	89.83	179.10	10,597.2	-1,487.7	248.8	1,497.4	0.00	0.00	0.00	
12,100.0	89.83	179.10	10,597.5	-1,587.6	250.4	1,597.4	0.00	0.00	0.00	
12,200.0	89.83	179.10	10,597.7	-1,687.6	252.0	1,697.3	0.00	0.00	0.00	
12,300.0	89.83	179.10	10,598.0	-1,787.6	253.5	1,797.3	0.00	0.00	0.00	
12,400.0	89.83	179.10	10,598.3	-1,887.6	255.1	1,897.3	0.00	0.00	0.00	
12,500.0	89.83	179.10	10,598.6	-1,987.6	256.7	1,997.2	0.00	0.00	0.00	
12,600.0	89.83	179.10	10,598.9	-2,087.6	258.2	2,097.2	0.00	0.00	0.00	
12,700.0	89.83	179.10	10,599.2	-2,187.6	259.8	2,197.1	0.00	0.00	0.00	
12,800.0	89.83	179.10	10,599.5	-2,287.6	261.4	2,297.1	0.00	0.00	0.00	
12,900.0	89.83	179.10	10,599.8	-2,387.5	262.9	2,397.0	0.00	0.00	0.00	
13,000.0	89.83	179.10	10,600.1	-2,487.5	264.5	2,497.0	0.00	0.00	0.00	
13,100.0	89.83	179.10	10,600.4	-2,587.5	266.1	2,596.9	0.00	0.00	0.00	
13,200.0	89.83	179.10	10,600.7	-2,687.5	267.6	2,696.9	0.00	0.00	0.00	
13,300.0	89.83	179.10	10,601.0	-2,787.5	269.2	2,796.9	0.00	0.00	0.00	
13,400.0	89.83	179.10	10,601.3	-2,887.5	270.8	2,896.8	0.00	0.00	0.00	
13,500.0	89.83	179.10	10,601.6	-2,987.5	272.3	2,996.8	0.00	0.00	0.00	
13,600.0	89.83	179.10	10,601.9	-3,087.5	273.9	3,096.7	0.00	0.00	0.00	
13,700.0	89.83	179.10	10,602.2	-3,187.4	275.5	3,196.7	0.00	0.00	0.00	
13,800.0	89.83	179.10	10,602.4	-3,287.4	277.0	3,296.6	0.00	0.00	0.00	
13,900.0	89.83	179.10	10,602.7	-3,387.4	278.6	3,396.6	0.00	0.00	0.00	
14,000.0	89.83	179.10	10,603.0	-3,487.4	280.2	3,496.5	0.00	0.00	0.00	
14,100.0	89.83	179.10	10,603.3	-3,587.4	281.7	3,596.5	0.00	0.00	0.00	
14,200.0	89.83	179.10	10,603.6	-3,687.4	283.3	3,696.4	0.00	0.00	0.00	
14,300.0	89.83	179.10	10,603.9	-3,787.4	284.9	3,796.4	0.00	0.00	0.00	
14,400.0	89.83	179.10	10,604.2	-3,887.4	286.4	3,896.4	0.00	0.00	0.00	
14,500.0	89.83	179.10	10,604.5	-3,987.3	288.0	3,996.3	0.00	0.00	0.00	
14,600.0	89.83	179.10	10,604.8	-4,087.3	289.6	4,096.3	0.00	0.00	0.00	
14,700.0	89.83	179.10	10,605.1	-4,187.3	291.1	4,196.2	0.00	0.00	0.00	
14,800.0	89.83	179.10	10,605.4	-4,287.3	292.7	4,296.2	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Kansas 21/28 W2IP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W2IP Fed Com #1H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #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)
14,900.0	89.83	179.10	10,605.7	-4,387.3	294.3	4,396.1	0.00	0.00	0.00
15,000.0	89.83	179.10	10,606.0	-4,487.3	295.8	4,496.1	0.00	0.00	0.00
15,100.0	89.83	179.10	10,606.3	-4,587.3	297.4	4,596.0	0.00	0.00	0.00
15,200.0	89.83	179.10	10,606.6	-4,687.3	299.0	4,696.0	0.00	0.00	0.00
15,300.0	89.83	179.10	10,606.9	-4,787.2	300.5	4,796.0	0.00	0.00	0.00
15,400.0	89.83	179.10	10,607.1	-4,887.2	302.1	4,895.9	0.00	0.00	0.00
15,500.0	89.83	179.10	10,607.4	-4,987.2	303.7	4,995.9	0.00	0.00	0.00
15,600.0	89.83	179.10	10,607.7	-5,087.2	305.2	5,095.8	0.00	0.00	0.00
15,700.0	89.83	179.10	10,608.0	-5,187.2	306.8	5,195.8	0.00	0.00	0.00
15,800.0	89.83	179.10	10,608.3	-5,287.2	308.4	5,295.7	0.00	0.00	0.00
15,900.0	89.83	179.10	10,608.6	-5,387.2	310.0	5,395.7	0.00	0.00	0.00
16,000.0	89.83	179.10	10,608.9	-5,487.2	311.5	5,495.6	0.00	0.00	0.00
16,100.0	89.83	179.10	10,609.2	-5,587.1	313.1	5,595.6	0.00	0.00	0.00
16,200.0	89.83	179.10	10,609.5	-5,687.1	314.7	5,695.6	0.00	0.00	0.00
16,300.0	89.83	179.10	10,609.8	-5,787.1	316.2	5,795.5	0.00	0.00	0.00
16,400.0	89.83	179.10	10,610.1	-5,887.1	317.8	5,895.5	0.00	0.00	0.00
16,500.0	89.83	179.10	10,610.4	-5,987.1	319.4	5,995.4	0.00	0.00	0.00
16,600.0	89.83	179.10	10,610.7	-6,087.1	320.9	6,095.4	0.00	0.00	0.00
16,700.0	89.83	179.10	10,611.0	-6,187.1	322.5	6,195.3	0.00	0.00	0.00
16,800.0	89.83	179.10	10,611.3	-6,287.0	324.1	6,295.3	0.00	0.00	0.00
16,900.0	89.83	179.10	10,611.6	-6,387.0	325.6	6,395.2	0.00	0.00	0.00
17,000.0	89.83	179.10	10,611.8	-6,487.0	327.2	6,495.2	0.00	0.00	0.00
17,100.0	89.83	179.10	10,612.1	-6,587.0	328.8	6,595.1	0.00	0.00	0.00
17,200.0	89.83	179.10	10,612.4	-6,687.0	330.3	6,695.1	0.00	0.00	0.00
17,300.0	89.83	179.10	10,612.7	-6,787.0	331.9	6,795.1	0.00	0.00	0.00
17,400.0	89.83	179.10	10,613.0	-6,887.0	333.5	6,895.0	0.00	0.00	0.00
17,500.0	89.83	179.10	10,613.3	-6,987.0	335.0	6,995.0	0.00	0.00	0.00
17,600.0	89.83	179.10	10,613.6	-7,086.9	336.6	7,094.9	0.00	0.00	0.00
17,700.0	89.83	179.10	10,613.9	-7,186.9	338.2	7,194.9	0.00	0.00	0.00
17,800.0	89.83	179.10	10,614.2	-7,286.9	339.7	7,294.8	0.00	0.00	0.00
17,900.0	89.83	179.10	10,614.5	-7,386.9	341.3	7,394.8	0.00	0.00	0.00
18,000.0	89.83	179.10	10,614.8	-7,486.9	342.9	7,494.7	0.00	0.00	0.00
18,072.1	89.83	179.10	10,615.0	-7,559.0	344.0	7,566.8	0.00	0.00	0.00
BHL: 330' FSL & 440' FEL, Sec28									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Kansas 21/28 W2IP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3050.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3050.0usft (Original Well Elev)
Site:	Kansas 21/28 W2IP Fed Com #1H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 440' FEL, Sec 28		
Design:	Design #1		

Design Targets										
Target Name										
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting			
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude	
SL: 2525' FSL & 665' FE - plan hits target center - Point	0.00	0.01	0.0	0.0	0.0	437,654.00	617,737.00	32.2029467	-104.0863285	
KOP @ 10,021' - plan hits target center - Point	0.00	0.00	10,021.0	159.0	223.0	437,813.00	617,960.00	32.2033824	-104.0856064	
FTP: 2361' FSL & 440' F - plan hits target center - Point	0.00	0.00	10,536.6	-164.0	228.1	437,490.00	617,965.07	32.2024944	-104.0855924	
LP: 2113' FSL & 440' FE - plan hits target center - Point	0.00	0.00	10,594.0	-412.2	232.0	437,241.80	617,969.00	32.2018121	-104.0855815	
PPP 2: 1346' FSL & 440 - plan hits target center - Point	0.00	0.00	10,596.2	-1,175.0	243.9	436,479.00	617,980.92	32.1997152	-104.0855487	
BHL: 330' FSL & 440' FE - plan hits target center - Point	0.00	0.00	10,615.0	-7,559.0	344.0	430,095.00	618,081.00	32.1821656	-104.0852727	

Kansas 21/28 W2IP Fed Com #1H

