

16136

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Riverboat12/1 W2PA Fed Com 1H

Sec 12/1, T24S, R26E

SL: 215' FSL & 330' FEL, Sec 12

BHL: 330' FNL & 330' FEL, Sec 1

Plan: Design #1

Standard Planning Report

01 November, 2017

EXHIBIT

11

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat12/1 W2PA Fed Com 1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference: Site Riverboat12/1 W2PA Fed Com 1H
TVD Reference: WELL @ 3264.0usft (Original Well Elev)
MD Reference: WELL @ 3264.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Eddy County, New Mexico NAD 83

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

Site Riverboat12/1 W2PA Fed Com 1H

Site Position: Northing: 445,633.00 usft Latitude: 32° 13' 30.311 N
From: Map Easting: 570,495.00 usft Longitude: 104° 14' 20.552 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.05 °

Well Sec 12/1, T24S, R26E

Well Position +N/-S 0.0 usft Northing: 445,633.00 usft Latitude: 32° 13' 30.311 N
 +E/-W 0.0 usft Easting: 570,495.00 usft Longitude: 104° 14' 20.552 W
Position Uncertainty 0.0 usft Wellhead Elevation: 3,264.0 usft Ground Level: 3,237.0 usft

Wellbore BHL: 330' FNL & 330' FEL, Sec 1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/31/2017	7.11	59.92	47,911

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	0.05

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	
1,905.0	0.00	0.00	1,905.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,987.9	1.66	180.00	1,987.9	-1.2	0.0	2.00	2.00	0.00	180.00	
8,986.0	1.66	180.00	8,983.1	-203.8	0.0	0.00	0.00	0.00	0.00	
9,069.0	0.00	0.00	9,066.0	-205.0	0.0	2.00	-2.00	0.00	180.00	KOP @ 9066'
9,970.3	90.13	0.05	9,639.0	369.3	0.5	10.00	10.00	0.00	0.05	
19,677.1	90.13	0.05	9,617.0	10,076.0	9.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 330'

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat12/1 W2PA Fed Com 1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference: Site Riverboat12/1 W2PA Fed Com 1H
TVD Reference: WELL @ 3264.0usft (Original Well Elev)
MD Reference: WELL @ 3264.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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: 215' FSL & 330' FEL, Sec 12									
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
1,905.0	0.00	0.00	1,905.0	0.0	0.0	0.0	0.00	0.00	0.00
1,987.9	1.66	180.00	1,987.9	-1.2	0.0	-1.2	2.00	2.00	0.00
2,000.0	1.66	180.00	2,000.0	-1.5	0.0	-1.5	0.00	0.00	0.00
2,100.0	1.66	180.00	2,099.9	-4.4	0.0	-4.4	0.00	0.00	0.00
2,200.0	1.66	180.00	2,199.9	-7.3	0.0	-7.3	0.00	0.00	0.00
2,300.0	1.66	180.00	2,299.9	-10.2	0.0	-10.2	0.00	0.00	0.00
2,400.0	1.66	180.00	2,399.8	-13.1	0.0	-13.1	0.00	0.00	0.00
2,500.0	1.66	180.00	2,499.8	-16.0	0.0	-16.0	0.00	0.00	0.00
2,600.0	1.66	180.00	2,599.7	-18.9	0.0	-18.9	0.00	0.00	0.00
2,700.0	1.66	180.00	2,699.7	-21.8	0.0	-21.8	0.00	0.00	0.00
2,800.0	1.66	180.00	2,799.6	-24.7	0.0	-24.7	0.00	0.00	0.00
2,900.0	1.66	180.00	2,899.6	-27.6	0.0	-27.6	0.00	0.00	0.00
3,000.0	1.66	180.00	2,999.6	-30.5	0.0	-30.5	0.00	0.00	0.00
3,100.0	1.66	180.00	3,099.5	-33.4	0.0	-33.4	0.00	0.00	0.00
3,200.0	1.66	180.00	3,199.5	-36.3	0.0	-36.3	0.00	0.00	0.00
3,300.0	1.66	180.00	3,299.4	-39.2	0.0	-39.2	0.00	0.00	0.00
3,400.0	1.66	180.00	3,399.4	-42.1	0.0	-42.1	0.00	0.00	0.00
3,500.0	1.66	180.00	3,499.4	-45.0	0.0	-45.0	0.00	0.00	0.00
3,600.0	1.66	180.00	3,599.3	-47.9	0.0	-47.9	0.00	0.00	0.00
3,700.0	1.66	180.00	3,699.3	-50.8	0.0	-50.8	0.00	0.00	0.00
3,800.0	1.66	180.00	3,799.2	-53.7	0.0	-53.7	0.00	0.00	0.00
3,900.0	1.66	180.00	3,899.2	-56.6	0.0	-56.6	0.00	0.00	0.00
4,000.0	1.66	180.00	3,999.1	-59.5	0.0	-59.5	0.00	0.00	0.00
4,100.0	1.66	180.00	4,099.1	-62.3	0.0	-62.3	0.00	0.00	0.00
4,200.0	1.66	180.00	4,199.1	-65.2	0.0	-65.2	0.00	0.00	0.00
4,300.0	1.66	180.00	4,299.0	-68.1	0.0	-68.1	0.00	0.00	0.00
4,400.0	1.66	180.00	4,399.0	-71.0	0.0	-71.0	0.00	0.00	0.00
4,500.0	1.66	180.00	4,498.9	-73.9	0.0	-73.9	0.00	0.00	0.00
4,600.0	1.66	180.00	4,598.9	-76.8	0.0	-76.8	0.00	0.00	0.00
4,700.0	1.66	180.00	4,698.9	-79.7	0.0	-79.7	0.00	0.00	0.00
4,800.0	1.66	180.00	4,798.8	-82.6	0.0	-82.6	0.00	0.00	0.00
4,900.0	1.66	180.00	4,898.8	-85.5	0.0	-85.5	0.00	0.00	0.00
5,000.0	1.66	180.00	4,998.7	-88.4	0.0	-88.4	0.00	0.00	0.00

Planning Report

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Site: Riverboat12/1 W2PA Fed Com 1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 1
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TVD Reference: WELL @ 3264.0usft (Original Well Elev)
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North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
5,100.0	1.66	180.00	5,098.7	-91.3	0.0	-91.3	0.00	0.00	0.00
5,200.0	1.66	180.00	5,198.6	-94.2	0.0	-94.2	0.00	0.00	0.00
5,300.0	1.66	180.00	5,298.6	-97.1	0.0	-97.1	0.00	0.00	0.00
5,400.0	1.66	180.00	5,398.6	-100.0	0.0	-100.0	0.00	0.00	0.00
5,500.0	1.66	180.00	5,498.5	-102.9	0.0	-102.9	0.00	0.00	0.00
5,600.0	1.66	180.00	5,598.5	-105.8	0.0	-105.8	0.00	0.00	0.00
5,700.0	1.66	180.00	5,698.4	-108.7	0.0	-108.7	0.00	0.00	0.00
5,800.0	1.66	180.00	5,798.4	-111.6	0.0	-111.6	0.00	0.00	0.00
5,900.0	1.66	180.00	5,898.3	-114.5	0.0	-114.5	0.00	0.00	0.00
6,000.0	1.66	180.00	5,998.3	-117.4	0.0	-117.4	0.00	0.00	0.00
6,100.0	1.66	180.00	6,098.3	-120.2	0.0	-120.2	0.00	0.00	0.00
6,200.0	1.66	180.00	6,198.2	-123.1	0.0	-123.1	0.00	0.00	0.00
6,300.0	1.66	180.00	6,298.2	-126.0	0.0	-126.0	0.00	0.00	0.00
6,400.0	1.66	180.00	6,398.1	-128.9	0.0	-128.9	0.00	0.00	0.00
6,500.0	1.66	180.00	6,498.1	-131.8	0.0	-131.8	0.00	0.00	0.00
6,600.0	1.66	180.00	6,598.1	-134.7	0.0	-134.7	0.00	0.00	0.00
6,700.0	1.66	180.00	6,698.0	-137.6	0.0	-137.6	0.00	0.00	0.00
6,800.0	1.66	180.00	6,798.0	-140.5	0.0	-140.5	0.00	0.00	0.00
6,900.0	1.66	180.00	6,897.9	-143.4	0.0	-143.4	0.00	0.00	0.00
7,000.0	1.66	180.00	6,997.9	-146.3	0.0	-146.3	0.00	0.00	0.00
7,100.0	1.66	180.00	7,097.8	-149.2	0.0	-149.2	0.00	0.00	0.00
7,200.0	1.66	180.00	7,197.8	-152.1	0.0	-152.1	0.00	0.00	0.00
7,300.0	1.66	180.00	7,297.8	-155.0	0.0	-155.0	0.00	0.00	0.00
7,400.0	1.66	180.00	7,397.7	-157.9	0.0	-157.9	0.00	0.00	0.00
7,500.0	1.66	180.00	7,497.7	-160.8	0.0	-160.8	0.00	0.00	0.00
7,600.0	1.66	180.00	7,597.6	-163.7	0.0	-163.7	0.00	0.00	0.00
7,700.0	1.66	180.00	7,697.6	-166.6	0.0	-166.6	0.00	0.00	0.00
7,800.0	1.66	180.00	7,797.6	-169.5	0.0	-169.5	0.00	0.00	0.00
7,900.0	1.66	180.00	7,897.5	-172.4	0.0	-172.4	0.00	0.00	0.00
8,000.0	1.66	180.00	7,997.5	-175.3	0.0	-175.3	0.00	0.00	0.00
8,100.0	1.66	180.00	8,097.4	-178.1	0.0	-178.1	0.00	0.00	0.00
8,200.0	1.66	180.00	8,197.4	-181.0	0.0	-181.0	0.00	0.00	0.00
8,300.0	1.66	180.00	8,297.3	-183.9	0.0	-183.9	0.00	0.00	0.00
8,400.0	1.66	180.00	8,397.3	-186.8	0.0	-186.8	0.00	0.00	0.00
8,500.0	1.66	180.00	8,497.3	-189.7	0.0	-189.7	0.00	0.00	0.00
8,600.0	1.66	180.00	8,597.2	-192.6	0.0	-192.6	0.00	0.00	0.00
8,700.0	1.66	180.00	8,697.2	-195.5	0.0	-195.5	0.00	0.00	0.00
8,800.0	1.66	180.00	8,797.1	-198.4	0.0	-198.4	0.00	0.00	0.00
8,900.0	1.66	180.00	8,897.1	-201.3	0.0	-201.3	0.00	0.00	0.00
8,986.0	1.66	180.00	8,983.1	-203.8	0.0	-203.8	0.00	0.00	0.00
9,000.0	1.38	180.00	8,997.1	-204.2	0.0	-204.2	2.00	-2.00	0.00
9,069.0	0.00	0.00	9,066.0	-205.0	0.0	-205.0	2.00	-2.00	0.00
KOP @ 9066'									
9,100.0	3.10	0.05	9,097.0	-204.2	0.0	-204.2	10.00	10.00	0.00
9,200.0	13.10	0.05	9,195.9	-190.1	0.0	-190.1	10.00	10.00	0.00
9,300.0	23.10	0.05	9,290.8	-159.0	0.0	-159.0	10.00	10.00	0.00
9,400.0	33.10	0.05	9,378.9	-112.0	0.1	-112.0	10.00	10.00	0.00
9,500.0	43.10	0.05	9,457.5	-50.4	0.1	-50.4	10.00	10.00	0.00
9,600.0	53.10	0.05	9,524.2	24.0	0.2	24.0	10.00	10.00	0.00
9,700.0	63.10	0.05	9,577.0	108.8	0.3	108.8	10.00	10.00	0.00
9,707.0	63.80	0.05	9,580.1	115.0	0.3	115.0	10.00	10.00	0.00
FTP: 330' FSL & 330' FEL, Sec 12									
9,800.0	73.10	0.05	9,614.3	201.4	0.4	201.4	10.00	10.00	0.00
9,900.0	83.10	0.05	9,634.8	299.1	0.4	299.1	10.00	10.00	0.00

Planning Report

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Site: Riverboat12/1 W2PA Fed Com 1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Riverboat12/1 W2PA Fed Com 1H
 WELL @ 3264.0usft (Original Well Elev)
 WELL @ 3264.0usft (Original Well Elev)
 Grid
 Minimum Curvature

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)
9,970.3	90.13	0.05	9,639.0	369.3	0.5	369.3	10.00	10.00	0.00
LP: 584' FSL & 330' FEL, Sec 12									
10,000.0	90.13	0.05	9,638.9	399.0	0.5	399.0	0.00	0.00	0.00
10,100.0	90.13	0.05	9,638.7	499.0	0.6	499.0	0.00	0.00	0.00
10,200.0	90.13	0.05	9,638.5	599.0	0.7	599.0	0.00	0.00	0.00
10,300.0	90.13	0.05	9,638.3	699.0	0.8	699.0	0.00	0.00	0.00
10,400.0	90.13	0.05	9,638.0	799.0	0.9	799.0	0.00	0.00	0.00
10,500.0	90.13	0.05	9,637.8	899.0	1.0	899.0	0.00	0.00	0.00
10,600.0	90.13	0.05	9,637.6	999.0	1.1	999.0	0.00	0.00	0.00
10,700.0	90.13	0.05	9,637.3	1,099.0	1.1	1,099.0	0.00	0.00	0.00
10,800.0	90.13	0.05	9,637.1	1,199.0	1.2	1,199.0	0.00	0.00	0.00
10,900.0	90.13	0.05	9,636.9	1,299.0	1.3	1,299.0	0.00	0.00	0.00
11,000.0	90.13	0.05	9,636.7	1,399.0	1.4	1,399.0	0.00	0.00	0.00
11,100.0	90.13	0.05	9,636.4	1,499.0	1.5	1,499.0	0.00	0.00	0.00
11,200.0	90.13	0.05	9,636.2	1,599.0	1.6	1,599.0	0.00	0.00	0.00
11,300.0	90.13	0.05	9,636.0	1,699.0	1.7	1,699.0	0.00	0.00	0.00
11,400.0	90.13	0.05	9,635.8	1,799.0	1.8	1,799.0	0.00	0.00	0.00
11,500.0	90.13	0.05	9,635.5	1,899.0	1.8	1,899.0	0.00	0.00	0.00
11,600.0	90.13	0.05	9,635.3	1,999.0	1.9	1,999.0	0.00	0.00	0.00
11,700.0	90.13	0.05	9,635.1	2,099.0	2.0	2,099.0	0.00	0.00	0.00
11,800.0	90.13	0.05	9,634.9	2,199.0	2.1	2,199.0	0.00	0.00	0.00
11,900.0	90.13	0.05	9,634.6	2,299.0	2.2	2,299.0	0.00	0.00	0.00
12,000.0	90.13	0.05	9,634.4	2,399.0	2.3	2,399.0	0.00	0.00	0.00
12,100.0	90.13	0.05	9,634.2	2,499.0	2.4	2,499.0	0.00	0.00	0.00
12,200.0	90.13	0.05	9,633.9	2,599.0	2.5	2,599.0	0.00	0.00	0.00
12,300.0	90.13	0.05	9,633.7	2,699.0	2.5	2,699.0	0.00	0.00	0.00
12,400.0	90.13	0.05	9,633.5	2,799.0	2.6	2,799.0	0.00	0.00	0.00
12,500.0	90.13	0.05	9,633.3	2,899.0	2.7	2,899.0	0.00	0.00	0.00
12,600.0	90.13	0.05	9,633.0	2,999.0	2.8	2,999.0	0.00	0.00	0.00
12,700.0	90.13	0.05	9,632.8	3,099.0	2.9	3,099.0	0.00	0.00	0.00
12,800.0	90.13	0.05	9,632.6	3,199.0	3.0	3,199.0	0.00	0.00	0.00
12,900.0	90.13	0.05	9,632.4	3,299.0	3.1	3,299.0	0.00	0.00	0.00
13,000.0	90.13	0.05	9,632.1	3,399.0	3.2	3,399.0	0.00	0.00	0.00
13,100.0	90.13	0.05	9,631.9	3,499.0	3.2	3,499.0	0.00	0.00	0.00
13,200.0	90.13	0.05	9,631.7	3,599.0	3.3	3,599.0	0.00	0.00	0.00
13,300.0	90.13	0.05	9,631.5	3,699.0	3.4	3,699.0	0.00	0.00	0.00
13,400.0	90.13	0.05	9,631.2	3,799.0	3.5	3,799.0	0.00	0.00	0.00
13,500.0	90.13	0.05	9,631.0	3,899.0	3.6	3,899.0	0.00	0.00	0.00
13,600.0	90.13	0.05	9,630.8	3,999.0	3.7	3,999.0	0.00	0.00	0.00
13,700.0	90.13	0.05	9,630.5	4,099.0	3.8	4,099.0	0.00	0.00	0.00
13,800.0	90.13	0.05	9,630.3	4,199.0	3.9	4,199.0	0.00	0.00	0.00
13,900.0	90.13	0.05	9,630.1	4,299.0	3.9	4,299.0	0.00	0.00	0.00
14,000.0	90.13	0.05	9,629.9	4,399.0	4.0	4,399.0	0.00	0.00	0.00
14,100.0	90.13	0.05	9,629.6	4,499.0	4.1	4,499.0	0.00	0.00	0.00
14,200.0	90.13	0.05	9,629.4	4,599.0	4.2	4,599.0	0.00	0.00	0.00
14,300.0	90.13	0.05	9,629.2	4,699.0	4.3	4,699.0	0.00	0.00	0.00
14,400.0	90.13	0.05	9,629.0	4,799.0	4.4	4,799.0	0.00	0.00	0.00
14,500.0	90.13	0.05	9,628.7	4,899.0	4.5	4,899.0	0.00	0.00	0.00
14,600.0	90.13	0.05	9,628.5	4,999.0	4.6	4,999.0	0.00	0.00	0.00
14,700.0	90.13	0.05	9,628.3	5,099.0	4.6	5,099.0	0.00	0.00	0.00
14,800.0	90.13	0.05	9,628.1	5,199.0	4.7	5,199.0	0.00	0.00	0.00
14,900.0	90.13	0.05	9,627.8	5,299.0	4.8	5,299.0	0.00	0.00	0.00
15,000.0	90.13	0.05	9,627.6	5,399.0	4.9	5,399.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat12/1 W2PA Fed Com 1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference: Site Riverboat12/1 W2PA Fed Com 1H
TVD Reference: WELL @ 3264.0usft (Original Well Elev)
MD Reference: WELL @ 3264.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,100.0	90.13	0.05	9,627.4	5,499.0	5.0	5,499.0	0.00	0.00	0.00
15,200.0	90.13	0.05	9,627.1	5,599.0	5.1	5,599.0	0.00	0.00	0.00
15,300.0	90.13	0.05	9,626.9	5,699.0	5.2	5,699.0	0.00	0.00	0.00
15,400.0	90.13	0.05	9,626.7	5,799.0	5.3	5,799.0	0.00	0.00	0.00
15,500.0	90.13	0.05	9,626.5	5,899.0	5.3	5,899.0	0.00	0.00	0.00
15,600.0	90.13	0.05	9,626.2	5,999.0	5.4	5,999.0	0.00	0.00	0.00
15,700.0	90.13	0.05	9,626.0	6,099.0	5.5	6,099.0	0.00	0.00	0.00
15,800.0	90.13	0.05	9,625.8	6,199.0	5.6	6,199.0	0.00	0.00	0.00
15,900.0	90.13	0.05	9,625.6	6,299.0	5.7	6,299.0	0.00	0.00	0.00
16,000.0	90.13	0.05	9,625.3	6,399.0	5.8	6,399.0	0.00	0.00	0.00
16,100.0	90.13	0.05	9,625.1	6,499.0	5.9	6,499.0	0.00	0.00	0.00
16,200.0	90.13	0.05	9,624.9	6,599.0	6.0	6,599.0	0.00	0.00	0.00
16,300.0	90.13	0.05	9,624.7	6,699.0	6.0	6,699.0	0.00	0.00	0.00
16,400.0	90.13	0.05	9,624.4	6,799.0	6.1	6,799.0	0.00	0.00	0.00
16,500.0	90.13	0.05	9,624.2	6,899.0	6.2	6,899.0	0.00	0.00	0.00
16,600.0	90.13	0.05	9,624.0	6,999.0	6.3	6,999.0	0.00	0.00	0.00
16,700.0	90.13	0.05	9,623.7	7,099.0	6.4	7,099.0	0.00	0.00	0.00
16,800.0	90.13	0.05	9,623.5	7,199.0	6.5	7,199.0	0.00	0.00	0.00
16,900.0	90.13	0.05	9,623.3	7,299.0	6.6	7,299.0	0.00	0.00	0.00
17,000.0	90.13	0.05	9,623.1	7,399.0	6.7	7,399.0	0.00	0.00	0.00
17,100.0	90.13	0.05	9,622.8	7,499.0	6.7	7,499.0	0.00	0.00	0.00
17,200.0	90.13	0.05	9,622.6	7,599.0	6.8	7,599.0	0.00	0.00	0.00
17,300.0	90.13	0.05	9,622.4	7,699.0	6.9	7,699.0	0.00	0.00	0.00
17,400.0	90.13	0.05	9,622.2	7,799.0	7.0	7,799.0	0.00	0.00	0.00
17,500.0	90.13	0.05	9,621.9	7,899.0	7.1	7,899.0	0.00	0.00	0.00
17,600.0	90.13	0.05	9,621.7	7,999.0	7.2	7,999.0	0.00	0.00	0.00
17,700.0	90.13	0.05	9,621.5	8,099.0	7.3	8,099.0	0.00	0.00	0.00
17,800.0	90.13	0.05	9,621.3	8,199.0	7.4	8,199.0	0.00	0.00	0.00
17,900.0	90.13	0.05	9,621.0	8,299.0	7.4	8,299.0	0.00	0.00	0.00
18,000.0	90.13	0.05	9,620.8	8,399.0	7.5	8,399.0	0.00	0.00	0.00
18,100.0	90.13	0.05	9,620.6	8,499.0	7.6	8,499.0	0.00	0.00	0.00
18,200.0	90.13	0.05	9,620.3	8,599.0	7.7	8,599.0	0.00	0.00	0.00
18,300.0	90.13	0.05	9,620.1	8,699.0	7.8	8,699.0	0.00	0.00	0.00
18,400.0	90.13	0.05	9,619.9	8,799.0	7.9	8,799.0	0.00	0.00	0.00
18,500.0	90.13	0.05	9,619.7	8,899.0	8.0	8,899.0	0.00	0.00	0.00
18,600.0	90.13	0.05	9,619.4	8,999.0	8.1	8,999.0	0.00	0.00	0.00
18,700.0	90.13	0.05	9,619.2	9,099.0	8.1	9,099.0	0.00	0.00	0.00
18,800.0	90.13	0.05	9,619.0	9,198.9	8.2	9,199.0	0.00	0.00	0.00
18,900.0	90.13	0.05	9,618.8	9,298.9	8.3	9,299.0	0.00	0.00	0.00
19,000.0	90.13	0.05	9,618.5	9,398.9	8.4	9,399.0	0.00	0.00	0.00
19,100.0	90.13	0.05	9,618.3	9,498.9	8.5	9,499.0	0.00	0.00	0.00
19,200.0	90.13	0.05	9,618.1	9,598.9	8.6	9,599.0	0.00	0.00	0.00
19,300.0	90.13	0.05	9,617.9	9,698.9	8.7	9,699.0	0.00	0.00	0.00
19,400.0	90.13	0.05	9,617.6	9,798.9	8.8	9,799.0	0.00	0.00	0.00
19,500.0	90.13	0.05	9,617.4	9,898.9	8.8	9,899.0	0.00	0.00	0.00
19,600.0	90.13	0.05	9,617.2	9,998.9	8.9	9,999.0	0.00	0.00	0.00
19,677.1	90.13	0.05	9,617.0	10,076.0	9.0	10,076.0	0.00	0.00	0.00

BHL: 330' FNL & 330' FEL, Sec 1

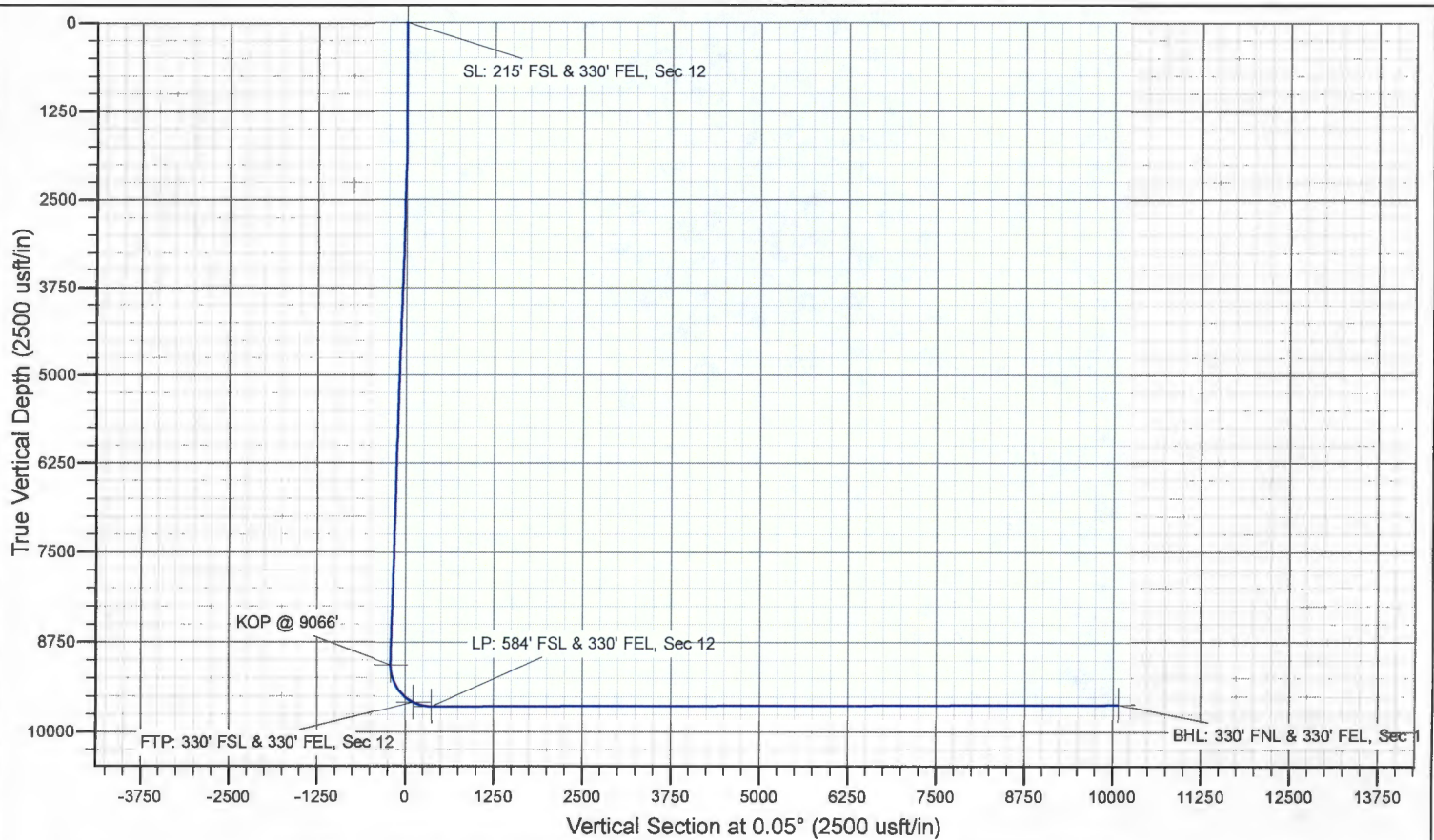
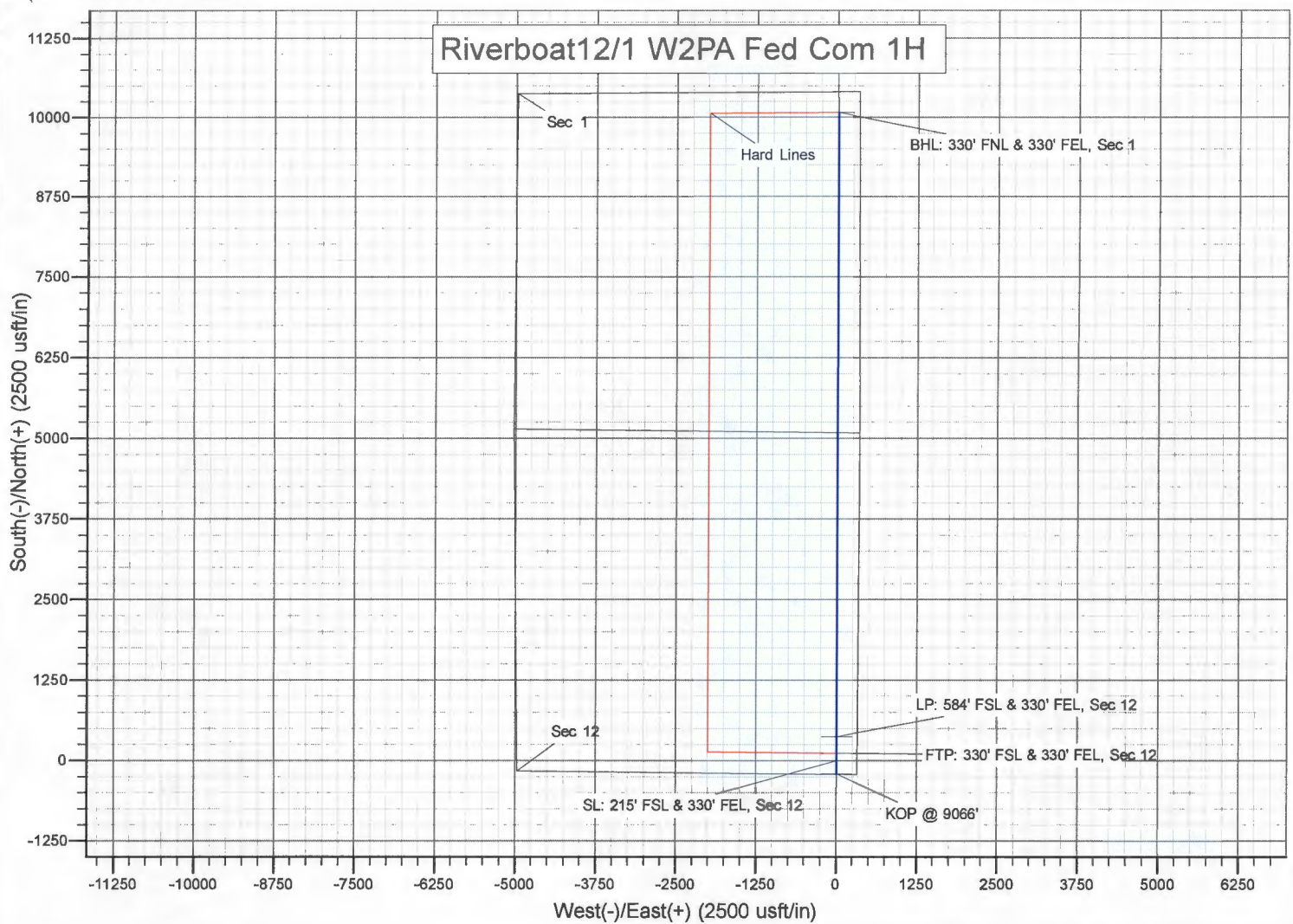
Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat12/1 W2PA Fed Com 1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference: Site Riverboat12/1 W2PA Fed Com 1H
TVD Reference: WELL @ 3264.0usft (Original Well Elev)
MD Reference: WELL @ 3264.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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									
SL: 215' FSL & 330' FEL - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	445,633.00	570,495.00	32° 13' 30.311 N	104° 14' 20.552 W
KOP @ 9066' - plan hits target center - Point	0.00	0.00	9,066.0	-205.0	0.0	445,428.00	570,495.00	32° 13' 28.282 N	104° 14' 20.554 W
FTP: 330' FSL & 330' FE - plan hits target center - Point	0.00	0.00	9,580.1	115.0	0.3	445,748.00	570,495.28	32° 13' 31.449 N	104° 14' 20.547 W
BHL: 330' FNL & 330' FE - plan hits target center - Point	0.00	0.00	9,617.0	10,076.0	9.0	455,709.00	570,504.00	32° 15' 10.023 N	104° 14' 20.344 W
LP: 584' FSL & 330' FEL - plan hits target center - Point	0.00	0.00	9,639.0	369.3	0.5	446,002.30	570,495.51	32° 13' 33.965 N	104° 14' 20.542 W

Riverboat12/1 W2PA Fed Com 1H



1636

EXHIBIT 12

Cumulative Oil (MBO)
Cumulative Gas (BCF)
Cumulative Wtr (MBW)

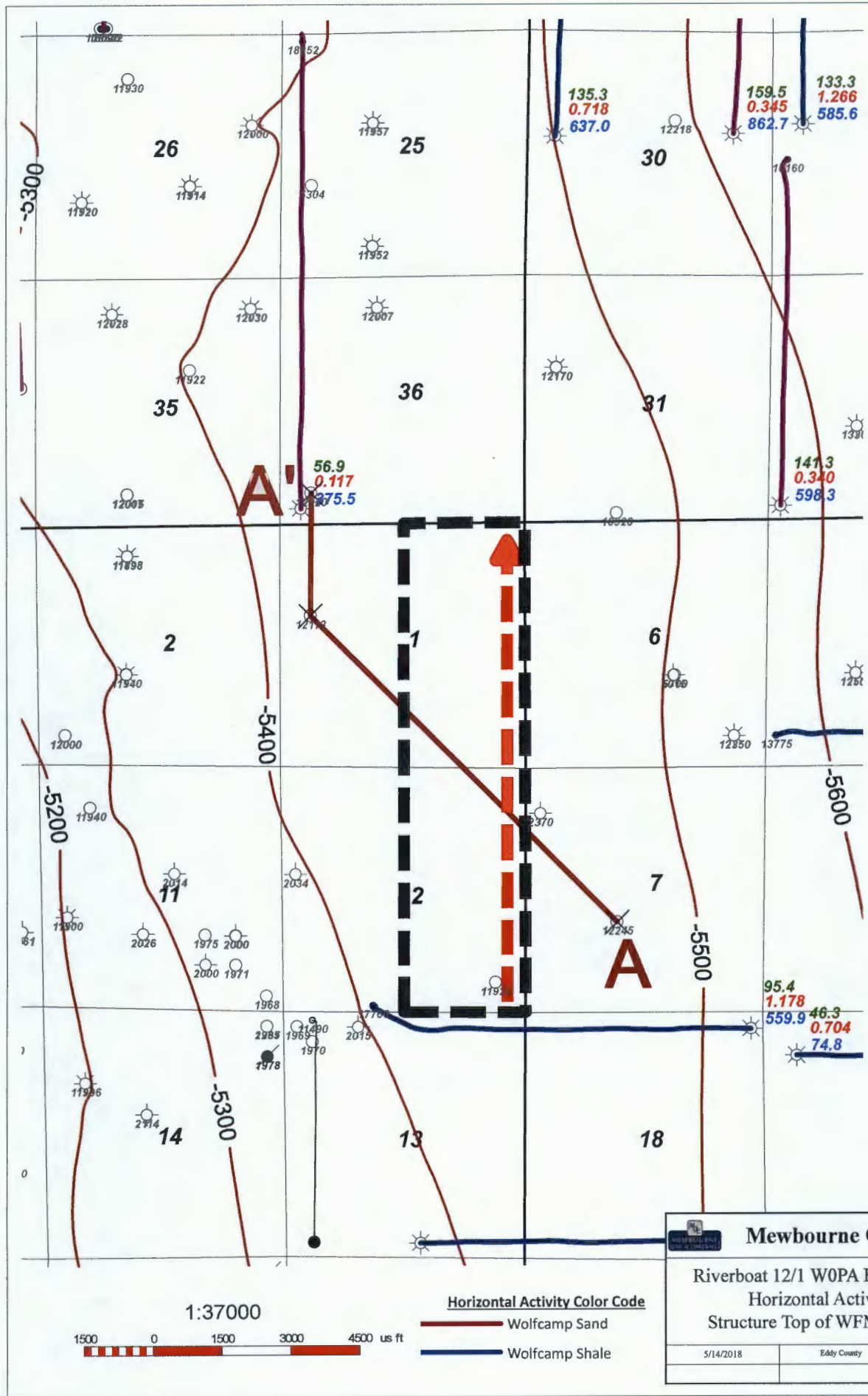
TD



**Mewbourne Oil Company**

Riverboat 12/1 W0PA Federal Com 1H
Horizontal Activity Map
Structure Top of WFMP (C.I. 100')

5/14/2018	Eddy County	New Mexico
Geol: C. Crosby		



1:37000

Horizontal Activity Color Code

— Wolfcamp Sand

— Wolfcamp Shale

1500 0 1500 3000 4500 us ft

A
SE

BP AMERICA PRODUCTION COMPANY
HERREN FEDERAL GAS COM 1
Datum=3248.00
1980 FSL/1980 FWL
TWP: 18 S - Range: 16 E - Sec. 10

COQUINA OIL CORPORATION
O NEILL FEDERAL 1
Datum=3286.00
1980 FSL/1980 FWL
TWP: 18 S - Range: 16 E - Sec. 10

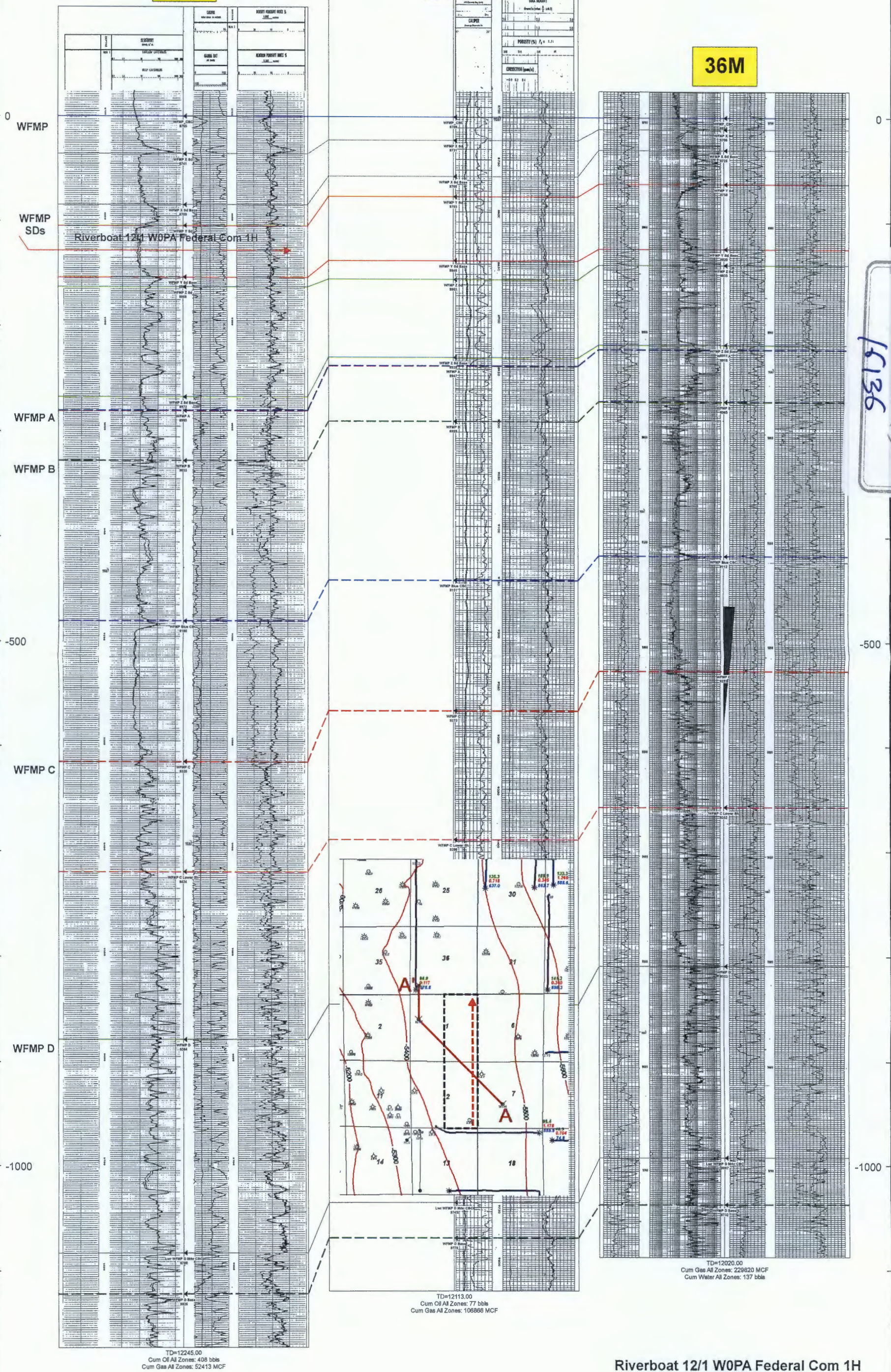
HAMON OIL COMPANY
STATE V 249
Datum=3259.00
1980 FSL/1980 FWL
TWP: 18 S - Range: 16 E - Sec. 10

A'
NW

7K

1E

36M



Riverboat 12/1 WFMP Production Table									
Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (BCF)	Cum Water (Mbw)	NS/EW	WFMP Zone
Habanero 17 Federal Com 1H	Devon	3001536108	17AD/24S/27E	12/14/2011	46.4	0.7	74.8	EW	WFMP D Shale
Black River State 4H	COG	3001542458	5MO/24S/27E	1/18/2015	140.3	1.3	530	EW	WFMP C Shale
Annabelle 13-18 W2BA Federal Com 1H	Mewbourne	3001542765	13BA/24S/26E	12/21/2016	95.4	1.2	559.9	EW	WFMP D Shale
Jester 19-30 W0AH Federal Com 1H	Mewbourne	3001542830	19AH/23S/27E	8/17/2015	159.5	0.3	862.7	NS	WFMP Y Sand
Jester 19-30 W2DE Federal Com 1H	Mewbourne	3001542831	19DE/23S/27E	7/12/2015	135.3	0.7	637	NS	WFMP C Shale
Sterling Pound 20-29 W2DE State Com 1H	Mewbourne	3001542974	20DE/23S/27E	1/11/2016	133.3	1.2	585.6	NS	WFMP D Shale
Viper 29-3 W0LM Federal Com 1H	Mewbourne	3001543498	29LM/23S/27E	3/13/2016	141.3	0.3	598.3	NS	WFMP Z Sand
Ghost rider 25-36 W2DM Federal Com 2H	Mewbourne	3001544302	25DM/23S/26E	12/28/2017	56.9	0.1	375.5	NS	WFMP Y Sand
Annabelle 18-13 W2PO Federal Com 1H	Mewbourne	3001544532	18PO/24S/27E	3/31/2018	Pending			EW	WFMP D Shale

EXHIBIT 14

16136

16136

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Riverboat 12/1 W0PA Fed Com #1H

Sec 12/1, T24S, R26E

SL: 215' FSL & 380' FEL, Sec 12

BHL: 330' FNL & 380' FEL, Sec 1

Plan: Design #1

Standard Planning Report

19 October, 2017



Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat 12/1 W0PA Fed Com #1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 380' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference: Site Riverboat 12/1 W0PA Fed Com #1H
TVD Reference: WELL @ 3264.0usft (Original Well Elev)
MD Reference: WELL @ 3264.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	Riverboat 12/1 W0PA Fed Com #1H			
Site Position:		Northing:	445,634.00 usft	Latitude: 32° 13' 30.321 N
From:	Map	Easting:	570,445.00 usft	Longitude: 104° 14' 21.134 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.05 °

Well	Sec 12/1, T24S, R26E			
Well Position	+N/-S	0.0 usft	Northing:	445,634.00 usft
	+E/-W	0.0 usft	Easting:	570,445.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,264.0 usft
			Ground Level:	3,237.0 usft

Wellbore	BHL: 330' FNL & 380' FEL, Sec 1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/18/2017	7.11	59.92	47,915

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	0.05

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	
8,351.0	0.00	0.00	8,351.0	0.0	0.0	0.00	0.00	0.00	0.00	KOP @ 8351'
9,101.9	90.01	0.05	8,829.0	478.1	0.4	11.99	11.99	0.00	0.05	
18,698.8	90.01	0.05	8,827.0	10,075.0	9.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 380'

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat 12/1 WOPA Fed Com #1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 380' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Riverboat 12/1 WOPA Fed Com #1H
 WELL @ 3264.0usft (Original Well Elev)
 WELL @ 3264.0usft (Original Well Elev)
 Grid
 Minimum Curvature

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: 215' FSL & 380' FEL, Sec 12									
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	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat 12/1 WOPA Fed Com #1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 380' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference: Site Riverboat 12/1 WOPA Fed Com #1H
TVD Reference: WELL @ 3264.0usft (Original Well Elev)
MD Reference: WELL @ 3264.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,351.0	0.00	0.00	8,351.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 8351'									
8,400.0	5.87	0.05	8,399.9	2.5	0.0	2.5	11.99	11.99	0.00
8,500.0	17.86	0.05	8,497.6	23.0	0.0	23.0	11.99	11.99	0.00
8,600.0	29.85	0.05	8,588.9	63.4	0.1	63.4	11.99	11.99	0.00
8,689.6	40.59	0.05	8,662.0	115.0	0.1	115.0	11.99	11.99	0.00
FTP: 330' FSL & 380' FEL, Sec 12									
8,700.0	41.83	0.05	8,669.8	121.8	0.1	121.8	11.99	11.99	0.00
8,800.0	53.82	0.05	8,736.8	195.8	0.2	195.8	11.99	11.99	0.00
8,900.0	65.81	0.05	8,787.0	282.1	0.3	282.1	11.99	11.99	0.00
9,000.0	77.79	0.05	8,818.2	376.9	0.3	376.9	11.99	11.99	0.00
9,100.0	89.78	0.05	8,829.0	476.2	0.4	476.2	11.99	11.99	0.00
9,101.9	90.01	0.05	8,829.0	478.1	0.4	478.1	11.99	11.99	0.00
LP: 693' FSL & 380' FEL, Sec 12									
9,200.0	90.01	0.05	8,829.0	576.2	0.5	576.2	0.00	0.00	0.00
9,300.0	90.01	0.05	8,829.0	676.2	0.6	676.2	0.00	0.00	0.00
9,400.0	90.01	0.05	8,828.9	776.2	0.7	776.2	0.00	0.00	0.00
9,500.0	90.01	0.05	8,828.9	876.2	0.8	876.2	0.00	0.00	0.00
9,600.0	90.01	0.05	8,828.9	976.2	0.9	976.2	0.00	0.00	0.00
9,700.0	90.01	0.05	8,828.9	1,076.2	1.0	1,076.2	0.00	0.00	0.00
9,800.0	90.01	0.05	8,828.9	1,176.2	1.1	1,176.2	0.00	0.00	0.00
9,900.0	90.01	0.05	8,828.8	1,276.2	1.1	1,276.2	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat 12/1 WOPA Fed Com #1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 380' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Riverboat 12/1 WOPA Fed Com #1H
 WELL @ 3264.0usft (Original Well Elev)
 WELL @ 3264.0usft (Original Well Elev)
 Grid
 Minimum Curvature

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)
10,000.0	90.01	0.05	8,828.8	1,376.2	1.2	1,376.2	0.00	0.00	0.00
10,100.0	90.01	0.05	8,828.8	1,476.2	1.3	1,476.2	0.00	0.00	0.00
10,200.0	90.01	0.05	8,828.8	1,576.2	1.4	1,576.2	0.00	0.00	0.00
10,300.0	90.01	0.05	8,828.8	1,676.2	1.5	1,676.2	0.00	0.00	0.00
10,400.0	90.01	0.05	8,828.7	1,776.2	1.6	1,776.2	0.00	0.00	0.00
10,500.0	90.01	0.05	8,828.7	1,876.2	1.7	1,876.2	0.00	0.00	0.00
10,600.0	90.01	0.05	8,828.7	1,976.2	1.8	1,976.2	0.00	0.00	0.00
10,700.0	90.01	0.05	8,828.7	2,076.2	1.9	2,076.2	0.00	0.00	0.00
10,800.0	90.01	0.05	8,828.6	2,176.2	1.9	2,176.2	0.00	0.00	0.00
10,900.0	90.01	0.05	8,828.6	2,276.2	2.0	2,276.2	0.00	0.00	0.00
11,000.0	90.01	0.05	8,828.6	2,376.2	2.1	2,376.2	0.00	0.00	0.00
11,100.0	90.01	0.05	8,828.6	2,476.2	2.2	2,476.2	0.00	0.00	0.00
11,200.0	90.01	0.05	8,828.6	2,576.2	2.3	2,576.2	0.00	0.00	0.00
11,300.0	90.01	0.05	8,828.5	2,676.2	2.4	2,676.2	0.00	0.00	0.00
11,400.0	90.01	0.05	8,828.5	2,776.2	2.5	2,776.2	0.00	0.00	0.00
11,500.0	90.01	0.05	8,828.5	2,876.2	2.6	2,876.2	0.00	0.00	0.00
11,600.0	90.01	0.05	8,828.5	2,976.2	2.7	2,976.2	0.00	0.00	0.00
11,700.0	90.01	0.05	8,828.5	3,076.2	2.7	3,076.2	0.00	0.00	0.00
11,800.0	90.01	0.05	8,828.4	3,176.2	2.8	3,176.2	0.00	0.00	0.00
11,900.0	90.01	0.05	8,828.4	3,276.2	2.9	3,276.2	0.00	0.00	0.00
12,000.0	90.01	0.05	8,828.4	3,376.2	3.0	3,376.2	0.00	0.00	0.00
12,100.0	90.01	0.05	8,828.4	3,476.2	3.1	3,476.2	0.00	0.00	0.00
12,200.0	90.01	0.05	8,828.4	3,576.2	3.2	3,576.2	0.00	0.00	0.00
12,300.0	90.01	0.05	8,828.3	3,676.2	3.3	3,676.2	0.00	0.00	0.00
12,400.0	90.01	0.05	8,828.3	3,776.2	3.4	3,776.2	0.00	0.00	0.00
12,500.0	90.01	0.05	8,828.3	3,876.2	3.5	3,876.2	0.00	0.00	0.00
12,600.0	90.01	0.05	8,828.3	3,976.2	3.6	3,976.2	0.00	0.00	0.00
12,700.0	90.01	0.05	8,828.3	4,076.2	3.6	4,076.2	0.00	0.00	0.00
12,800.0	90.01	0.05	8,828.2	4,176.2	3.7	4,176.2	0.00	0.00	0.00
12,900.0	90.01	0.05	8,828.2	4,276.2	3.8	4,276.2	0.00	0.00	0.00
13,000.0	90.01	0.05	8,828.2	4,376.2	3.9	4,376.2	0.00	0.00	0.00
13,100.0	90.01	0.05	8,828.2	4,476.2	4.0	4,476.2	0.00	0.00	0.00
13,200.0	90.01	0.05	8,828.1	4,576.2	4.1	4,576.2	0.00	0.00	0.00
13,300.0	90.01	0.05	8,828.1	4,676.2	4.2	4,676.2	0.00	0.00	0.00
13,400.0	90.01	0.05	8,828.1	4,776.2	4.3	4,776.2	0.00	0.00	0.00
13,500.0	90.01	0.05	8,828.1	4,876.2	4.4	4,876.2	0.00	0.00	0.00
13,600.0	90.01	0.05	8,828.1	4,976.2	4.4	4,976.2	0.00	0.00	0.00
13,700.0	90.01	0.05	8,828.0	5,076.2	4.5	5,076.2	0.00	0.00	0.00
13,800.0	90.01	0.05	8,828.0	5,176.2	4.6	5,176.2	0.00	0.00	0.00
13,900.0	90.01	0.05	8,828.0	5,276.2	4.7	5,276.2	0.00	0.00	0.00
14,000.0	90.01	0.05	8,828.0	5,376.2	4.8	5,376.2	0.00	0.00	0.00
14,100.0	90.01	0.05	8,828.0	5,476.2	4.9	5,476.2	0.00	0.00	0.00
14,200.0	90.01	0.05	8,827.9	5,576.2	5.0	5,576.2	0.00	0.00	0.00
14,300.0	90.01	0.05	8,827.9	5,676.2	5.1	5,676.2	0.00	0.00	0.00
14,400.0	90.01	0.05	8,827.9	5,776.2	5.2	5,776.2	0.00	0.00	0.00
14,500.0	90.01	0.05	8,827.9	5,876.2	5.2	5,876.2	0.00	0.00	0.00
14,600.0	90.01	0.05	8,827.9	5,976.2	5.3	5,976.2	0.00	0.00	0.00
14,700.0	90.01	0.05	8,827.8	6,076.2	5.4	6,076.2	0.00	0.00	0.00
14,800.0	90.01	0.05	8,827.8	6,176.2	5.5	6,176.2	0.00	0.00	0.00
14,900.0	90.01	0.05	8,827.8	6,276.2	5.6	6,276.2	0.00	0.00	0.00
15,000.0	90.01	0.05	8,827.8	6,376.2	5.7	6,376.2	0.00	0.00	0.00
15,100.0	90.01	0.05	8,827.7	6,476.2	5.8	6,476.2	0.00	0.00	0.00
15,200.0	90.01	0.05	8,827.7	6,576.2	5.9	6,576.2	0.00	0.00	0.00
15,300.0	90.01	0.05	8,827.7	6,676.2	6.0	6,676.2	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat 12/1 W0PA Fed Com #1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 380' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Riverboat 12/1 W0PA Fed Com #1H
 WELL @ 3264.0usft (Original Well Elev)
 WELL @ 3264.0usft (Original Well Elev)
 Grid
 Minimum Curvature

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)
15,400.0	90.01	0.05	8,827.7	6,776.2	6.1	6,776.2	0.00	0.00	0.00
15,500.0	90.01	0.05	8,827.7	6,876.2	6.1	6,876.2	0.00	0.00	0.00
15,600.0	90.01	0.05	8,827.6	6,976.2	6.2	6,976.2	0.00	0.00	0.00
15,700.0	90.01	0.05	8,827.6	7,076.2	6.3	7,076.2	0.00	0.00	0.00
15,800.0	90.01	0.05	8,827.6	7,176.2	6.4	7,176.2	0.00	0.00	0.00
15,900.0	90.01	0.05	8,827.6	7,276.2	6.5	7,276.2	0.00	0.00	0.00
16,000.0	90.01	0.05	8,827.6	7,376.2	6.6	7,376.2	0.00	0.00	0.00
16,100.0	90.01	0.05	8,827.5	7,476.2	6.7	7,476.2	0.00	0.00	0.00
16,200.0	90.01	0.05	8,827.5	7,576.2	6.8	7,576.2	0.00	0.00	0.00
16,300.0	90.01	0.05	8,827.5	7,676.2	6.9	7,676.2	0.00	0.00	0.00
16,400.0	90.01	0.05	8,827.5	7,776.2	6.9	7,776.2	0.00	0.00	0.00
16,500.0	90.01	0.05	8,827.5	7,876.2	7.0	7,876.2	0.00	0.00	0.00
16,600.0	90.01	0.05	8,827.4	7,976.2	7.1	7,976.2	0.00	0.00	0.00
16,700.0	90.01	0.05	8,827.4	8,076.2	7.2	8,076.2	0.00	0.00	0.00
16,800.0	90.01	0.05	8,827.4	8,176.2	7.3	8,176.2	0.00	0.00	0.00
16,900.0	90.01	0.05	8,827.4	8,276.2	7.4	8,276.2	0.00	0.00	0.00
17,000.0	90.01	0.05	8,827.4	8,376.2	7.5	8,376.2	0.00	0.00	0.00
17,100.0	90.01	0.05	8,827.3	8,476.2	7.6	8,476.2	0.00	0.00	0.00
17,200.0	90.01	0.05	8,827.3	8,576.2	7.7	8,576.2	0.00	0.00	0.00
17,300.0	90.01	0.05	8,827.3	8,676.2	7.8	8,676.2	0.00	0.00	0.00
17,400.0	90.01	0.05	8,827.3	8,776.2	7.8	8,776.2	0.00	0.00	0.00
17,500.0	90.01	0.05	8,827.2	8,876.2	7.9	8,876.2	0.00	0.00	0.00
17,600.0	90.01	0.05	8,827.2	8,976.2	8.0	8,976.2	0.00	0.00	0.00
17,700.0	90.01	0.05	8,827.2	9,076.2	8.1	9,076.2	0.00	0.00	0.00
17,800.0	90.01	0.05	8,827.2	9,176.2	8.2	9,176.2	0.00	0.00	0.00
17,900.0	90.01	0.05	8,827.2	9,276.2	8.3	9,276.2	0.00	0.00	0.00
18,000.0	90.01	0.05	8,827.1	9,376.2	8.4	9,376.2	0.00	0.00	0.00
18,100.0	90.01	0.05	8,827.1	9,476.2	8.5	9,476.2	0.00	0.00	0.00
18,200.0	90.01	0.05	8,827.1	9,576.2	8.6	9,576.2	0.00	0.00	0.00
18,300.0	90.01	0.05	8,827.1	9,676.2	8.6	9,676.2	0.00	0.00	0.00
18,400.0	90.01	0.05	8,827.1	9,776.2	8.7	9,776.2	0.00	0.00	0.00
18,500.0	90.01	0.05	8,827.0	9,876.2	8.8	9,876.2	0.00	0.00	0.00
18,600.0	90.01	0.05	8,827.0	9,976.2	8.9	9,976.2	0.00	0.00	0.00
18,698.8	90.01	0.05	8,827.0	10,075.0	9.0	10,075.0	0.00	0.00	0.00

BHL: 330' FNL & 380' FEL, Sec 1

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Riverboat 12/1 W0PA Fed Com #1H
Well: Sec 12/1, T24S, R26E
Wellbore: BHL: 330' FNL & 380' FEL, Sec 1
Design: Design #1

Local Co-ordinate Reference: Site Riverboat 12/1 W0PA Fed Com #1H
TVD Reference: WELL @ 3264.0usft (Original Well Elev)
MD Reference: WELL @ 3264.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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									
SL: 215' FSL & 380' FEL	0.00	0.00	0.0	0.0	0.0	445,634.00	570,445.00	32° 13' 30.321 N	104° 14' 21.134 W
- plan hits target center									
- Point									
KOP @ 8351'	0.00	0.00	8,351.0	0.0	0.0	445,634.00	570,445.00	32° 13' 30.321 N	104° 14' 21.134 W
- plan hits target center									
- Point									
FTP: 330' FSL & 380' FE	0.00	0.00	8,662.0	115.0	0.1	445,749.00	570,445.11	32° 13' 31.459 N	104° 14' 21.132 W
- plan hits target center									
- Point									
BHL: 330' FNL & 380' FE	0.00	0.00	8,827.0	10,075.0	9.0	455,709.00	570,454.00	32° 15' 10.024 N	104° 14' 20.926 W
- plan hits target center									
- Point									
LP: 693' FSL & 380' FEL	0.00	0.00	8,829.0	478.1	0.4	446,112.10	570,445.43	32° 13' 35.052 N	104° 14' 21.124 W
- plan hits target center									
- Point									

A
SE

BP AMERICA PRODUCTION COMPANY
HERREN FEDERAL GAS COM 1
Datum=3246.00
1980 FSL/1980 FWL
TWP: 18 S - Range: 16 E - Sec. 10

COQUINA OIL CORPORATION
O NEILL FEDERAL 1
Datum=3286.00
1980 FSL/1980 FWL
TWP: 18 S - Range: 16 E - Sec. 10

HAMON OIL COMPANY
STATE V 249 1
Datum=3258.00
1980 FSL/1980 FWL
TWP: 18 S - Range: 16 E - Sec. 10

A'
NW

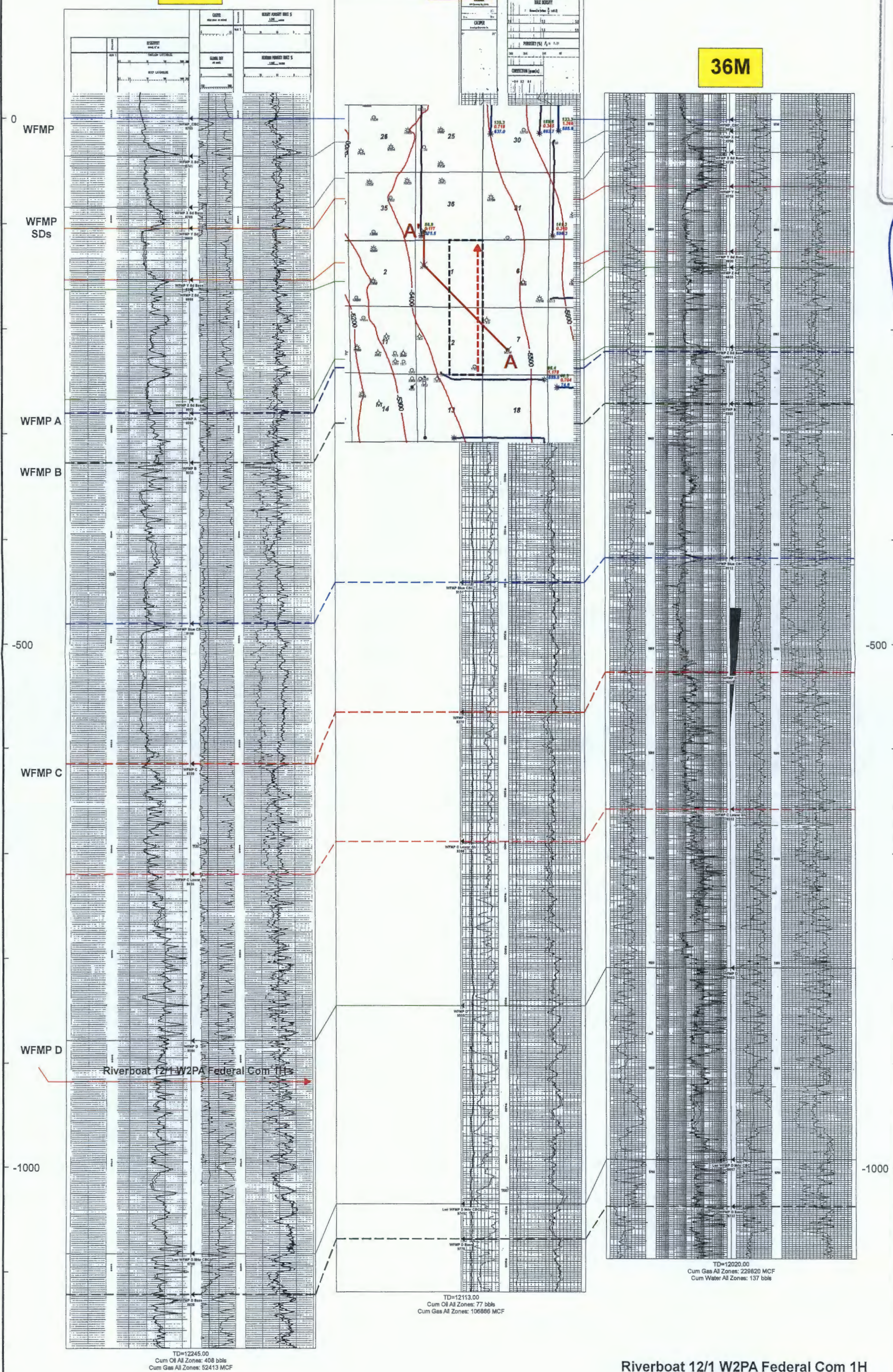
7K

1E

36M

EXHIBIT 9

6136



Riverboat 12/1 W2PA Federal Com 1H
Cross Section Exhibit (A-A')

Riverboat 12/1 WFMP Production Table									
Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (BCF)	Cum Water (Mbw)	NS/EW	WFMP Zone
Habanero 17 Federal Com 1H	Devon	3001536108	17AD/24S/27E	12/14/2011	46.4	0.7	74.8	EW	WFMP D Shale
Black River State 4H	COG	3001542458	5MO/24S/27E	1/18/2015	140.3	1.3	530	EW	WFMP C Shale
Annabelle 13-18 W2BA Federal Com 1H	Mewbourne	3001542765	13BA/24S/26E	12/21/2016	95.4	1.2	559.9	EW	WFMP D Shale
Jester 19-30 W0AH Federal Com 1H	Mewbourne	3001542830	19AH/23S/27E	8/17/2015	159.5	0.3	862.7	NS	WFMP Y Sand
Jester 19-30 W2DE Federal Com 1H	Mewbourne	3001542831	19DE/23S/27E	7/12/2015	135.3	0.7	637	NS	WFMP C Shale
Sterling Pound 20-29 W2DE State Com 1H	Mewbourne	3001542974	20DE/23S/27E	1/11/2016	133.3	1.2	585.6	NS	WFMP D Shale
Viper 29-3 W0LM Federal Com 1H	Mewbourne	3001543498	29LM/23S/27E	3/13/2016	141.3	0.3	598.3	NS	WFMP Z Sand
Ghost rider 25-36 W2DM Federal Com 2H	Mewbourne	3001544302	25DM/23S/26E	12/28/2017	56.9	0.1	375.5	NS	WFMP Y Sand
Annabelle 18-13 W2PO Federal Com 1H	Mewbourne	3001544532	18PO/24S/27E	3/31/2018	Pending			EW	WFMP D Shale

16136
EXHIBIT 10

Riverboat 12/1 W0PA Fed Com #1H

