

Mewbourne Oil Co

Eddy County, New Mexico

Sec 34-18S-30E

Dorado 34 Fed Com #1H

Wellbore #1

Plan: Design #2

DDC Well Planning Report

23 August, 2012

API: 3001538984

SL: 1850 FSL & 620 FEL

LP: 1850 FSL & 1210 FEL

BHL: 1850 FSL & 330 FWL

Sec 34/18S/30E

Oil Conservation Division
Case No. _____
Exhibit No. 12



DDC Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Dorado 34 Fed Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3455.0usft (Patterson-UTI 45/47)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3455.0usft (Patterson-UTI 45/47)
Site:	Sec 34-18S-30E	North Reference:	Grid
Well:	Dorado 34 Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Project	Eddy County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 34-18S-30E		
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Site Position:		Northing:	619,173.32 usft	Latitude:	32° 42' 5.860 N
From:	Map	Easting:	617,078.21 usft	Longitude:	103° 57' 9.827 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.21 °

Well	Dorado 34 Fed Com #1H				
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Well Position	+N/-S	0.0 usft	Northing:	619,173.32 usft	Latitude:	32° 42' 5.860 N
	+E/-W	0.0 usft	Easting:	617,078.21 usft	Longitude:	103° 57' 9.827 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,435.0 usft

Wellbore	Wellbore #1				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/1/2011	7.84	60.57	48,899

Design	Design #2				
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Audit Notes:					
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Version:		Phase:	PLAN	Tie On Depth:	0.0
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Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	269.89

Plan Sections										
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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	
8,037.7	0.00	0.00	8,037.7	0.0	0.0	0.00	0.00	0.00	0.00	
8,801.4	91.64	269.89	8,515.0	-1.0	-491.1	12.00	12.00	-11.80	269.89	
12,641.8	91.64	269.89	8,405.0	-8.4	-4,330.0	0.00	0.00	0.00	0.00	PBHL Dorado 34 F

DDC

Well Planning Report



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Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3455.0usft (Patterson-UTI 45/47)
Site:	Sec 34-18S-30E	North Reference:	Grid
Well:	Dorado 34 Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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)	
Build 12°/100° @ 8038' MD										
8,037.7	0.00	0.00	8,037.7	0.0	0.0	0.0	0.00	0.00	0.00	
8,050.0	1.48	269.89	8,050.0	0.0	-0.2	0.2	12.00	12.00	0.00	
8,075.0	4.48	269.89	8,075.0	0.0	-1.5	1.5	12.00	12.00	0.00	
8,100.0	7.48	269.89	8,099.8	0.0	-4.1	4.1	12.00	12.00	0.00	
8,125.0	10.48	269.89	8,124.5	0.0	-8.0	8.0	12.00	12.00	0.00	
8,150.0	13.48	269.89	8,149.0	0.0	-13.1	13.1	12.00	12.00	0.00	
8,175.0	16.48	269.89	8,173.1	0.0	-19.6	19.6	12.00	12.00	0.00	
8,200.0	19.48	269.89	8,196.9	-0.1	-27.3	27.3	12.00	12.00	0.00	
8,225.0	22.48	269.89	8,220.2	-0.1	-36.3	36.3	12.00	12.00	0.00	
8,250.0	25.48	269.89	8,243.1	-0.1	-46.4	46.4	12.00	12.00	0.00	
8,275.0	28.48	269.89	8,265.4	-0.1	-57.8	57.8	12.00	12.00	0.00	
8,300.0	31.48	269.89	8,287.0	-0.1	-70.3	70.3	12.00	12.00	0.00	
8,325.0	34.48	269.89	8,308.0	-0.2	-83.9	83.9	12.00	12.00	0.00	
8,350.0	37.48	269.89	8,328.2	-0.2	-98.5	98.5	12.00	12.00	0.00	
8,375.0	40.48	269.89	8,347.6	-0.2	-114.3	114.3	12.00	12.00	0.00	
8,400.0	43.48	269.89	8,366.2	-0.3	-131.0	131.0	12.00	12.00	0.00	
8,425.0	46.48	269.89	8,383.9	-0.3	-148.7	148.7	12.00	12.00	0.00	
8,450.0	49.48	269.89	8,400.6	-0.3	-167.2	167.2	12.00	12.00	0.00	
8,475.0	52.48	269.89	8,416.4	-0.4	-186.6	186.6	12.00	12.00	0.00	
8,500.0	55.48	269.89	8,431.1	-0.4	-206.9	206.9	12.00	12.00	0.00	
8,525.0	58.48	269.89	8,444.7	-0.4	-227.8	227.8	12.00	12.00	0.00	
8,550.0	61.48	269.89	8,457.2	-0.5	-249.5	249.5	12.00	12.00	0.00	
8,575.0	64.48	269.89	8,468.6	-0.5	-271.7	271.7	12.00	12.00	0.00	
8,600.0	67.48	269.89	8,478.7	-0.6	-294.6	294.6	12.00	12.00	0.00	
8,625.0	70.48	269.89	8,487.7	-0.6	-317.9	317.9	12.00	12.00	0.00	
8,650.0	73.48	269.89	8,495.4	-0.7	-341.7	341.7	12.00	12.00	0.00	
8,675.0	76.48	269.89	8,501.9	-0.7	-365.8	365.8	12.00	12.00	0.00	
8,700.0	79.48	269.89	8,507.1	-0.8	-390.3	390.3	12.00	12.00	0.00	
8,725.0	82.48	269.89	8,511.1	-0.8	-414.9	414.9	12.00	12.00	0.00	
8,750.0	85.48	269.89	8,513.7	-0.9	-439.8	439.8	12.00	12.00	0.00	
8,775.0	88.48	269.89	8,515.0	-0.9	-464.8	464.8	12.00	12.00	0.00	
EOB @ 8801' MD / 91.64° Inc. / 269.89° Azm / 8515' TVD										
8,801.4	91.64	269.89	8,515.0	-1.0	-491.1	491.1	12.00	12.00	0.00	
8,900.0	91.64	269.89	8,512.1	-1.1	-589.7	589.7	0.00	0.00	0.00	
9,000.0	91.64	269.89	8,509.3	-1.3	-689.7	689.7	0.00	0.00	0.00	
9,100.0	91.64	269.89	8,506.4	-1.5	-789.6	789.6	0.00	0.00	0.00	
9,200.0	91.64	269.89	8,503.6	-1.7	-889.6	889.6	0.00	0.00	0.00	
9,300.0	91.64	269.89	8,500.7	-1.9	-989.6	989.6	0.00	0.00	0.00	
9,400.0	91.64	269.89	8,497.8	-2.1	-1,089.5	1,089.5	0.00	0.00	0.00	
9,500.0	91.64	269.89	8,495.0	-2.3	-1,189.5	1,189.5	0.00	0.00	0.00	
9,600.0	91.64	269.89	8,492.1	-2.5	-1,289.4	1,289.4	0.00	0.00	0.00	
9,700.0	91.64	269.89	8,489.2	-2.7	-1,389.4	1,389.4	0.00	0.00	0.00	
9,800.0	91.64	269.89	8,486.4	-2.9	-1,489.4	1,489.4	0.00	0.00	0.00	
9,900.0	91.64	269.89	8,483.5	-3.1	-1,589.3	1,589.3	0.00	0.00	0.00	
10,000.0	91.64	269.89	8,480.6	-3.3	-1,689.3	1,689.3	0.00	0.00	0.00	
10,100.0	91.64	269.89	8,477.8	-3.5	-1,789.2	1,789.2	0.00	0.00	0.00	
10,200.0	91.64	269.89	8,474.9	-3.7	-1,889.2	1,889.2	0.00	0.00	0.00	
10,300.0	91.64	269.89	8,472.1	-3.9	-1,989.1	1,989.1	0.00	0.00	0.00	
10,400.0	91.64	269.89	8,469.2	-4.1	-2,089.1	2,089.1	0.00	0.00	0.00	
10,500.0	91.64	269.89	8,466.3	-4.3	-2,189.1	2,189.1	0.00	0.00	0.00	
10,600.0	91.64	269.89	8,463.5	-4.4	-2,289.0	2,289.0	0.00	0.00	0.00	
10,700.0	91.64	269.89	8,460.6	-4.6	-2,389.0	2,389.0	0.00	0.00	0.00	
10,800.0	91.64	269.89	8,457.7	-4.8	-2,488.9	2,488.9	0.00	0.00	0.00	

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Wellbore:	Wellbore #1		
Design:	Design #2		

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)	
10,900.0	91.64	269.89	8,454.9	-5.0	-2,588.9	2,588.9	0.00	0.00	0.00	
11,000.0	91.64	269.89	8,452.0	-5.2	-2,688.9	2,688.9	0.00	0.00	0.00	
11,100.0	91.64	269.89	8,449.1	-5.4	-2,788.8	2,788.8	0.00	0.00	0.00	
11,200.0	91.64	269.89	8,446.3	-5.6	-2,888.8	2,888.8	0.00	0.00	0.00	
11,300.0	91.64	269.89	8,443.4	-5.8	-2,988.7	2,988.7	0.00	0.00	0.00	
11,400.0	91.64	269.89	8,440.6	-6.0	-3,088.7	3,088.7	0.00	0.00	0.00	
11,500.0	91.64	269.89	8,437.7	-6.2	-3,188.7	3,188.7	0.00	0.00	0.00	
11,600.0	91.64	269.89	8,434.8	-6.4	-3,288.6	3,288.6	0.00	0.00	0.00	
11,700.0	91.64	269.89	8,432.0	-6.6	-3,388.6	3,388.6	0.00	0.00	0.00	
11,800.0	91.64	269.89	8,429.1	-6.8	-3,488.5	3,488.5	0.00	0.00	0.00	
11,900.0	91.64	269.89	8,426.2	-7.0	-3,588.5	3,588.5	0.00	0.00	0.00	
12,000.0	91.64	269.89	8,423.4	-7.2	-3,688.4	3,688.5	0.00	0.00	0.00	
12,100.0	91.64	269.89	8,420.5	-7.4	-3,788.4	3,788.4	0.00	0.00	0.00	
12,200.0	91.64	269.89	8,417.7	-7.5	-3,888.4	3,888.4	0.00	0.00	0.00	
12,300.0	91.64	269.89	8,414.8	-7.7	-3,988.3	3,988.3	0.00	0.00	0.00	
12,400.0	91.64	269.89	8,411.9	-7.9	-4,088.3	4,088.3	0.00	0.00	0.00	
12,500.0	91.64	269.89	8,409.1	-8.1	-4,188.2	4,188.2	0.00	0.00	0.00	
12,600.0	91.64	269.89	8,406.2	-8.3	-4,288.2	4,288.2	0.00	0.00	0.00	
12,641.8	91.64	269.89	8,405.0	-8.4	-4,330.0	4,330.0	0.00	0.00	0.00	

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									
PBHL Dorado 34 Fed	0.00	0.00	8,405.0	-8.4	-4,330.0	619,164.91	612,748.20	32° 42' 5.928 N	103° 58' 0.501 W
- plan hits target center									
- Point									

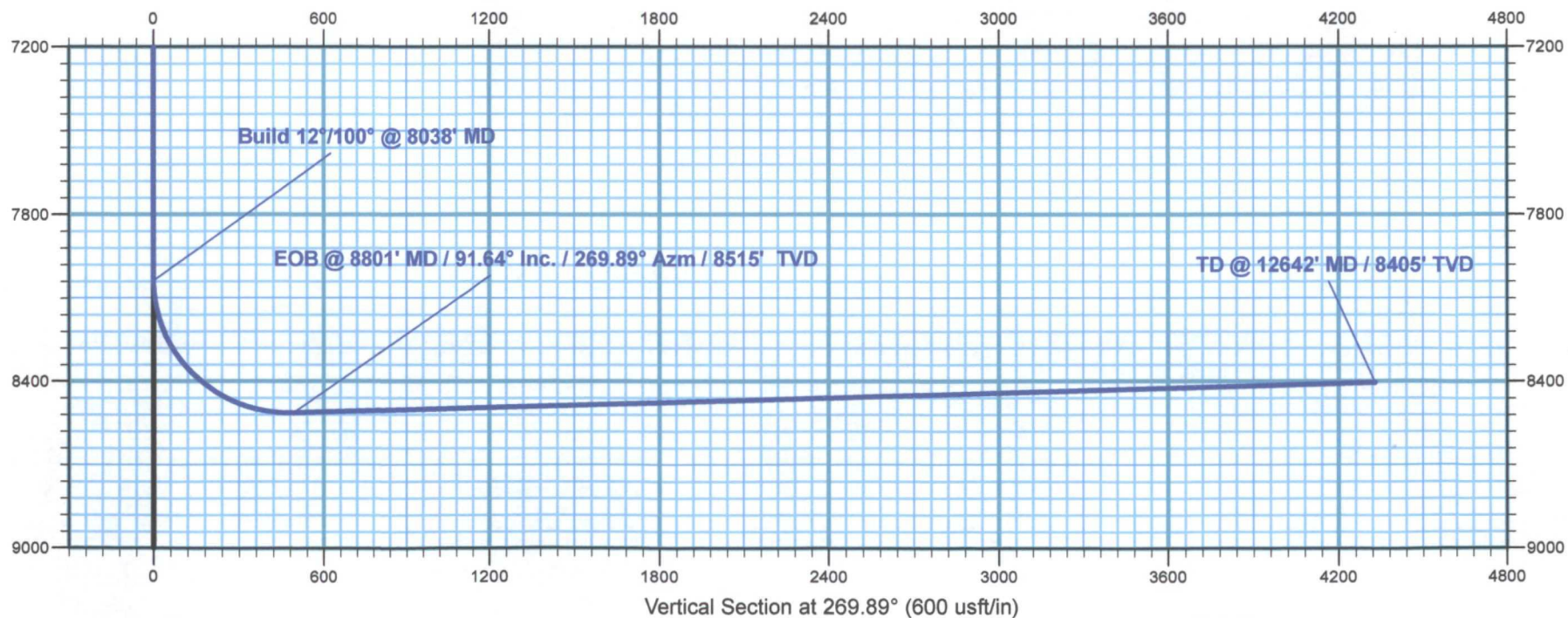
Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,037.7	8,037.7	0.0	0.0	Build 12°/100° @ 8038' MD
8,801.4	8,515.0	-1.0	-491.1	EOB @ 8801' MD / 91.64° Inc. / 269.89° Azm / 8515' TVD
12,641.8	8,405.0	-8.4	-4,330.0	TD @ 12642' MD / 8405' TVD

Mewbourne Oil Company



Eddy County, New Mexico
Dorado 34 Fed Com #1H

Quote 110057
Design #2



Mewbourne Oil Company



Eddy County, New Mexico

Dorado 34 Fed Com #1H

Quote 110057

Design #2

