

Mewbourne Oil Co

Eddy County, New Mexico
Sec 30, T18S, R30E
Bradley 30 Federal Com #2H

Wellbore #1

Plan: Design #2

DDC Well Planning Report

04 January, 2012

SL: 400 FSL + 240 FEL
LP: 400 FSL + 724 FEL
BHL: 400 FSL + 330 FWL

Oil Conservation Division
Case No. 63
Exhibit No. 63



DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bradley 30 Federal Com #2H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3463.0usft (Patterson-UT1 45/46/47)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3463.0usft (Patterson-UT1 45/46/47)
Site:	Sec 30, T18S, R30E	North Reference:	Grid
Well:	Bradley 30 Federal Com #2H	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 30, T18S, R30E			
Site Position:		Northing:	622,986.86 usft	Latitude:	32° 42' 44.110 N
From:	Lat/Long	Easting:	601,612.61 usft	Longitude:	104° 0' 10.680 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.18 °

Well	Bradley 30 Federal Com #2H					
Well Position	+N/-S	0.0 usft	Northing:	622,986.86 usft	Latitude:	32° 42' 44.110 N
	+E/-W	0.0 usft	Easting:	601,612.61 usft	Longitude:	104° 0' 10.680 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,445.0 usft	

Wellbore	Wellbore #1				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/3/2012	7.75	60.55	48,807

Design	Design #2				
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Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	269.91

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	
7,734.6	0.00	0.00	7,734.6	0.0	0.0	0.00	0.00	0.00	0.00	
8,491.4	90.81	269.91	8,212.0	-0.7	-484.2	12.00	12.00	-11.90	269.91	
12,661.4	90.81	269.91	8,153.0	-7.1	-4,653.8	0.00	0.00	0.00	0.00	PBHL Bradley 30 F

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Well:	Bradley 30 Federal Com #2H	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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
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
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	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)
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
Build 12°/100' @ 7735' MD									
7,734.6	0.00	0.00	7,734.6	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	7.85	269.91	7,799.8	0.0	-4.5	4.5	12.00	12.00	0.00
7,900.0	19.85	269.91	7,896.7	0.0	-28.4	28.4	12.00	12.00	0.00
8,000.0	31.85	269.91	7,986.5	-0.1	-71.9	71.9	12.00	12.00	0.00
8,100.0	43.85	269.91	8,065.4	-0.2	-133.1	133.1	12.00	12.00	0.00
8,200.0	55.85	269.91	8,129.7	-0.3	-209.4	209.4	12.00	12.00	0.00
8,300.0	67.85	269.91	8,176.8	-0.5	-297.4	297.4	12.00	12.00	0.00
8,400.0	79.85	269.91	8,204.6	-0.6	-393.3	393.3	12.00	12.00	0.00
EOB @ 8491' MD / 90.81° Inc / 269.91° Azm / 8212' TVD									
8,491.4	90.81	269.91	8,212.0	-0.7	-484.2	484.2	12.00	12.00	0.00
8,500.0	90.81	269.91	8,211.9	-0.8	-492.9	492.9	0.00	0.00	0.00
8,600.0	90.81	269.91	8,210.5	-0.9	-592.9	592.9	0.00	0.00	0.00
8,700.0	90.81	269.91	8,209.1	-1.1	-692.8	692.8	0.00	0.00	0.00
8,800.0	90.81	269.91	8,207.6	-1.2	-792.8	792.8	0.00	0.00	0.00
8,900.0	90.81	269.91	8,206.2	-1.4	-892.8	892.8	0.00	0.00	0.00
9,000.0	90.81	269.91	8,204.8	-1.5	-992.8	992.8	0.00	0.00	0.00
9,100.0	90.81	269.91	8,203.4	-1.7	-1,092.8	1,092.8	0.00	0.00	0.00
9,200.0	90.81	269.91	8,202.0	-1.8	-1,192.8	1,192.8	0.00	0.00	0.00
9,300.0	90.81	269.91	8,200.6	-2.0	-1,292.8	1,292.8	0.00	0.00	0.00
9,400.0	90.81	269.91	8,199.2	-2.1	-1,392.8	1,392.8	0.00	0.00	0.00
9,500.0	90.81	269.91	8,197.7	-2.3	-1,492.8	1,492.8	0.00	0.00	0.00
9,600.0	90.81	269.91	8,196.3	-2.4	-1,592.8	1,592.8	0.00	0.00	0.00
9,700.0	90.81	269.91	8,194.9	-2.6	-1,692.7	1,692.7	0.00	0.00	0.00
9,800.0	90.81	269.91	8,193.5	-2.7	-1,792.7	1,792.7	0.00	0.00	0.00
9,900.0	90.81	269.91	8,192.1	-2.9	-1,892.7	1,892.7	0.00	0.00	0.00
10,000.0	90.81	269.91	8,190.7	-3.0	-1,992.7	1,992.7	0.00	0.00	0.00
10,100.0	90.81	269.91	8,189.3	-3.2	-2,092.7	2,092.7	0.00	0.00	0.00
10,200.0	90.81	269.91	8,187.8	-3.3	-2,192.7	2,192.7	0.00	0.00	0.00

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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)	
10,300.0	90.81	269.91	8,186.4	-3.5	-2,292.7	2,292.7	0.00	0.00	0.00	
10,400.0	90.81	269.91	8,185.0	-3.6	-2,392.7	2,392.7	0.00	0.00	0.00	
10,500.0	90.81	269.91	8,183.6	-3.8	-2,492.7	2,492.7	0.00	0.00	0.00	
10,600.0	90.81	269.91	8,182.2	-4.0	-2,592.7	2,592.7	0.00	0.00	0.00	
10,700.0	90.81	269.91	8,180.8	-4.1	-2,692.6	2,692.6	0.00	0.00	0.00	
10,800.0	90.81	269.91	8,179.3	-4.3	-2,792.6	2,792.6	0.00	0.00	0.00	
10,900.0	90.81	269.91	8,177.9	-4.4	-2,892.6	2,892.6	0.00	0.00	0.00	
11,000.0	90.81	269.91	8,176.5	-4.6	-2,992.6	2,992.6	0.00	0.00	0.00	
11,100.0	90.81	269.91	8,175.1	-4.7	-3,092.6	3,092.6	0.00	0.00	0.00	
11,200.0	90.81	269.91	8,173.7	-4.9	-3,192.6	3,192.6	0.00	0.00	0.00	
11,300.0	90.81	269.91	8,172.3	-5.0	-3,292.6	3,292.6	0.00	0.00	0.00	
11,400.0	90.81	269.91	8,170.9	-5.2	-3,392.6	3,392.6	0.00	0.00	0.00	
11,500.0	90.81	269.91	8,169.4	-5.3	-3,492.6	3,492.6	0.00	0.00	0.00	
11,600.0	90.81	269.91	8,168.0	-5.5	-3,592.5	3,592.6	0.00	0.00	0.00	
11,700.0	90.81	269.91	8,166.6	-5.6	-3,692.5	3,692.5	0.00	0.00	0.00	
11,800.0	90.81	269.91	8,165.2	-5.8	-3,792.5	3,792.5	0.00	0.00	0.00	
11,900.0	90.81	269.91	8,163.8	-5.9	-3,892.5	3,892.5	0.00	0.00	0.00	
12,000.0	90.81	269.91	8,162.4	-6.1	-3,992.5	3,992.5	0.00	0.00	0.00	
12,100.0	90.81	269.91	8,160.9	-6.2	-4,092.5	4,092.5	0.00	0.00	0.00	
12,200.0	90.81	269.91	8,159.5	-6.4	-4,192.5	4,192.5	0.00	0.00	0.00	
12,300.0	90.81	269.91	8,158.1	-6.5	-4,292.5	4,292.5	0.00	0.00	0.00	
12,400.0	90.81	269.91	8,156.7	-6.7	-4,392.5	4,392.5	0.00	0.00	0.00	
12,500.0	90.81	269.91	8,155.3	-6.8	-4,492.5	4,492.5	0.00	0.00	0.00	
12,600.0	90.81	269.91	8,153.9	-7.0	-4,592.4	4,592.5	0.00	0.00	0.00	
TD @ 12661' MD / 8153' TVD										
12,661.4	90.81	269.91	8,153.0	-7.1	-4,653.8	4,653.8	0.00	0.00	0.00	

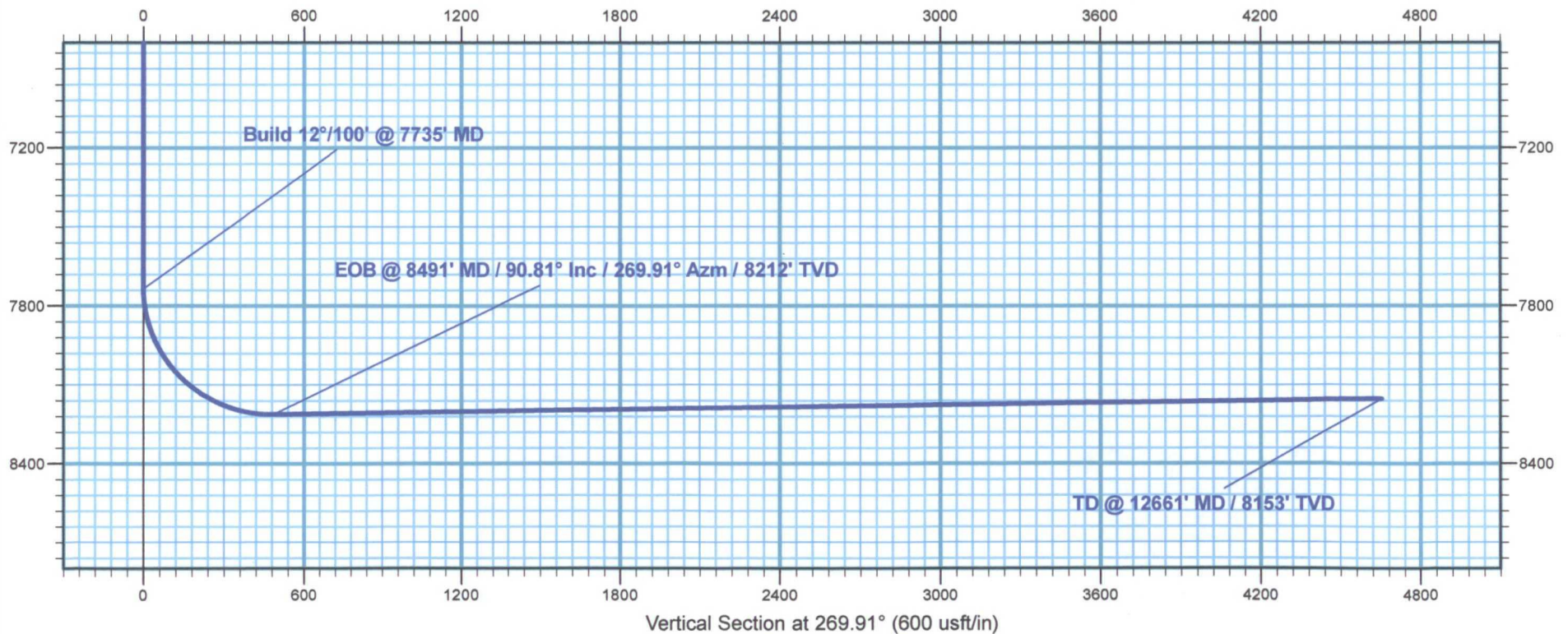
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
PBHL Bradley 30 Fed	0.00	0.00	8,153.0	-7.1	-4,653.8	622,979.76	596,958.78	32° 42' 44.180 N	104° 1' 5.150 W	
- plan hits target center										
- Point										

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,734.6	7,734.6	0.0	0.0	Build 12°/100' @ 7735' MD	
8,491.4	8,212.0	-0.7	-484.2	EOB @ 8491' MD / 90.81° Inc / 269.91° Azm / 8212' TVD	
12,661.4	8,153.0	-7.1	-4,653.8	TD @ 12661' MD / 8153' TVD	

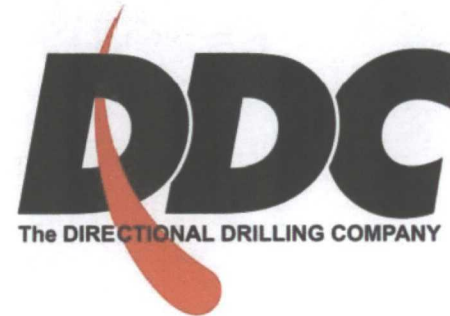
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Eddy County, New Mexico
Bradley 30 Federal Com #2H
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