

Mewbourne Oil Company

Eddy County, New Mexico

Yardbirds 3 W0AP Fee #2H

Sec 3, T24S, R28E

SL 185' FNL & 450 FEL

BHL 330' FSL & 450 FEL

Plan Design #1

Standard Planning Report

08 February, 2017

EXHIBIT

10

Planning Report

Database	Hobbs	Local Co-ordinate Reference	Site Yardbirds 3 W0AP Fee #2H
Company	Mewbourne Oil Company	TVD Reference	WELL @ 3045 0usft (Original Well Elev)
Project	Eddy County New Mexico	MD Reference	WELL @ 3045 0usft (Original Well Elev)
Site	Yardbirds 3 W0AP Fee #2H	North Reference	Grid
Well	Sec 3 T24S R28E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FSL & 450 FEL		
Design	Design #1		

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	Yardbirds 3 W0AP Fee #2H		
Site Position	Map	Northing	456 087 00 usft
From		Easting	582 152 00 usft
Position Uncertainty	0 0 usft	Slot Radius	13-3/16
		Latitude	32 15 13 034 N
		Longitude	104 4 3 319 W
		Grd Convergence	0 14

Well	Sec 3 T24S R28E		
Well Position	+N/-S	0 0 usft	Northing
	+E/ W	0 0 usft	Easting
Position Uncertainty	0 0 usft	Wellhead Elevation	3 045 0 usft
		Latitude	32 15 13 034 N
		Longitude	104 4 3 319 W
		Ground Level	3 018 0 usft

Wellbore	BHL 330 FSL & 450 FEL		
Magnetics	Model Name	Sample Date	Declination
			()
	IGRF200510	12/31/2009	7 98
			Dip Angle
			()
			60 18
			Field Strength
			(nT)
			48 758

Design	Design #1		
Audit Notes			
Version	Phase	PROTOTYPE	Tie On Depth
			0 0
Vertical Section	Depth From (TVD)	+N/ S	+E/ W
	(usft)	(usft)	(usft)
	0 0	0 0	0 0
			Direction
			()
			180 91

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/ W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	()	()	(usft)	(usft)	(usft)	(/100usft)	(/100usft)	(/100usft)	()	
0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 00	0 00	0 00	
9 110 5	0 00	0 00	9 110 5	0 0	0 0	0 00	0 00	0 00	0 00	KOP @ 9111
9 859 4	89 87	180 91	9 588 0	-476 3	7 5	12 00	12 00	0 00	179 09	
14 119 7	89 87	180 91	9 598 0	-4 736 0	75 0	0 00	0 00	0 00	0 00	BHL 330 FSL & 450

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Site	Yardbirds 3 W0AP Fee #2H	North Reference	Gnd
Well	Sec 3 T24S R28E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FSL & 450 FEL		
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)	
00	000	000	00	00	00	00	000	000	000	
SL 185 FNL & 450 FEL										
100 0	000	000	100 0	00	00	00	000	000	000	
200 0	000	000	200 0	00	00	00	000	000	000	
300 0	000	000	300 0	00	00	00	000	000	000	
400 0	000	000	400 0	00	00	00	000	000	000	
500 0	000	000	500 0	00	00	00	000	000	000	
600 0	000	000	600 0	00	00	00	000	000	000	
700 0	000	000	700 0	00	00	00	000	000	000	
800 0	000	000	800 0	00	00	00	000	000	000	
900 0	000	000	900 0	00	00	00	000	000	000	
1 000 0	000	000	1 000 0	00	00	00	000	000	000	
1 100 0	000	000	1 100 0	00	00	00	000	000	000	
1 200 0	000	000	1 200 0	00	00	00	000	000	000	
1 300 0	000	000	1 300 0	00	00	00	000	000	000	
1 400 0	000	000	1 400 0	00	00	00	000	000	000	
1 500 0	000	000	1 500 0	00	00	00	000	000	000	
1 600 0	000	000	1 600 0	00	00	00	000	000	000	
1 700 0	000	000	1 700 0	00	00	00	000	000	000	
1 800 0	000	000	1 800 0	00	00	00	000	000	000	
1 900 0	000	000	1 900 0	00	00	00	000	000	000	
2 000 0	000	000	2 000 0	00	00	00	000	000	000	
2 100 0	000	000	2 100 0	00	00	00	000	000	000	
2 200 0	000	000	2 200 0	00	00	00	000	000	000	
2 300 0	000	000	2 300 0	00	00	00	000	000	000	
2 400 0	000	000	2 400 0	00	00	00	000	000	000	
2 500 0	000	000	2 500 0	00	00	00	000	000	000	
2 600 0	000	000	2 600 0	00	00	00	000	000	000	
2 700 0	000	000	2 700 0	00	00	00	000	000	000	
2 800 0	000	000	2 800 0	00	00	00	000	000	000	
2 900 0	000	000	2 900 0	00	00	00	000	000	000	
3 000 0	000	000	3 000 0	00	00	00	000	000	000	
3 100 0	000	000	3 100 0	00	00	00	000	000	000	
3 200 0	000	000	3 200 0	00	00	00	000	000	000	
3 300 0	000	000	3 300 0	00	00	00	000	000	000	
3 400 0	000	000	3 400 0	00	00	00	000	000	000	
3 500 0	000	000	3 500 0	00	00	00	000	000	000	
3 600 0	000	000	3 600 0	00	00	00	000	000	000	
3 700 0	000	000	3 700 0	00	00	00	000	000	000	
3 800 0	000	000	3 800 0	00	00	00	000	000	000	
3 900 0	000	000	3 900 0	00	00	00	000	000	000	
4 000 0	000	000	4 000 0	00	00	00	000	000	000	
4 100 0	000	000	4 100 0	00	00	00	000	000	000	
4 200 0	000	000	4 200 0	00	00	00	000	000	000	
4 300 0	000	000	4 300 0	00	00	00	000	000	000	
4 400 0	000	000	4 400 0	00	00	00	000	000	000	
4 500 0	000	000	4 500 0	00	00	00	000	000	000	
4 600 0	000	000	4 600 0	00	00	00	000	000	000	
4 700 0	000	000	4 700 0	00	00	00	000	000	000	
4 800 0	000	000	4 800 0	00	00	00	000	000	000	
4 900 0	000	000	4 900 0	00	00	00	000	000	000	
5 000 0	000	000	5 000 0	00	00	00	000	000	000	
5 100 0	000	000	5 100 0	00	00	00	000	000	000	
5 200 0	000	000	5 200 0	00	00	00	000	000	000	

Planning Report

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Site	Yardbirds 3 W0AP Fee #2H	North Reference	Gnd
Well	Sec 3 T24S R28E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FSL & 450 FEL		
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)	
5 300 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	
8 400 0	0 00	0 00	8 400 0	0 0	0 0	0 0	0 00	0 00	0 00	
8 500 0	0 00	0 00	8 500 0	0 0	0 0	0 0	0 00	0 00	0 00	
8 600 0	0 00	0 00	8 600 0	0 0	0 0	0 0	0 00	0 00	0 00	
8 700 0	0 00	0 00	8 700 0	0 0	0 0	0 0	0 00	0 00	0 00	
8 800 0	0 00	0 00	8 800 0	0 0	0 0	0 0	0 00	0 00	0 00	
8 900 0	0 00	0 00	8 900 0	0 0	0 0	0 0	0 00	0 00	0 00	
9 000 0	0 00	0 00	9 000 0	0 0	0 0	0 0	0 00	0 00	0 00	
9 100 0	0 00	0 00	9 100 0	0 0	0 0	0 0	0 00	0 00	0 00	
9 110 5	0 00	0 00	9 110 5	0 0	0 0	0 0	0 00	0 00	0 00	
KOP @ 9111										
9 200 0	10 74	180 91	9 199 5	8 4	0 1	8 4	12 00	12 00	0 00	
9 300 0	22 74	180 91	9 295 1	37 1	0 6	37 1	12 00	12 00	0 00	
9 400 0	34 74	180 91	9 382 6	85 1	1 3	85 1	12 00	12 00	0 00	
9 492 8	45 87	180 91	9 453 3	145 0	2 3	145 0	12 00	12 00	0 00	
FTP 330 FNL & 450 FEL										
9 500 0	46 74	180 91	9 458 2	150 2	2 4	150 2	12 00	12 00	0 00	
9 600 0	58 74	180 91	9 518 7	229 6	3 6	229 7	12 00	12 00	0 00	
9 700 0	70 74	180 91	9 561 3	319 9	5 1	319 9	12 00	12 00	0 00	
9 800 0	82 74	180 91	9 584 2	-417 0	-6 6	417 1	12 00	12 00	0 00	
9 859 4	89 87	180 91	9 588 0	-476 3	7 5	476 4	12 00	12 00	0 00	
LP 665 FNL & 450 FEL										
9 900 0	89 87	180 91	9 588 1	516 9	8 2	516 9	0 00	0 00	0 00	

Planning Report

Database	Hobbs	Local Co-ordinate Reference	Site Yardbirds 3 WQAP Fee #2H
Company	Mewbourne Oil Company	TVD Reference	WELL @ 3045 0usft (Original Well Elev)
Project	Eddy County New Mexico	MD Reference	WELL @ 3045 0usft (Original Well Elev)
Site	Yardbirds 3 WQAP Fee #2H	North Reference	Grid
Well	Sec 3-T24S R28E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FSL & 450 FEL		
Design	Design #1		

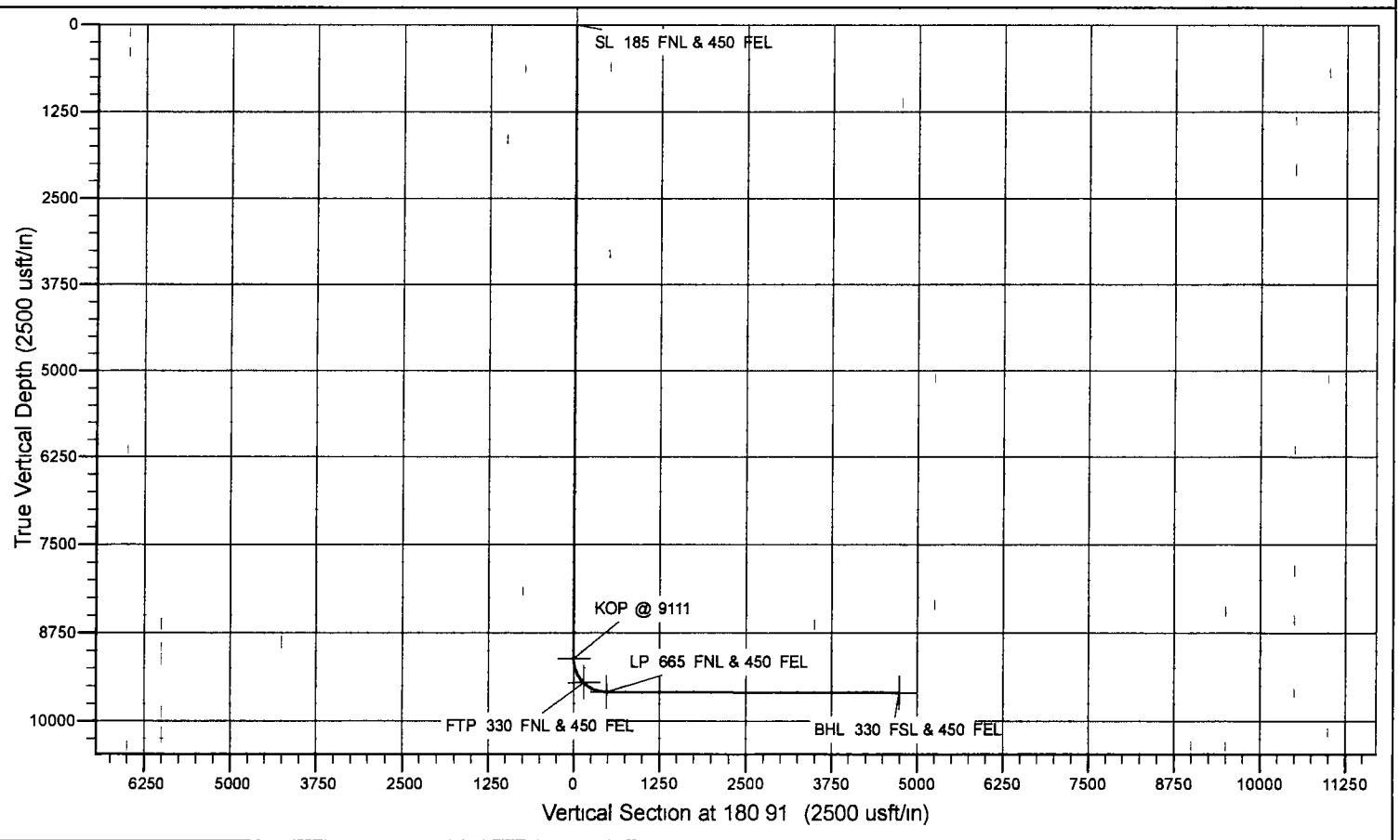
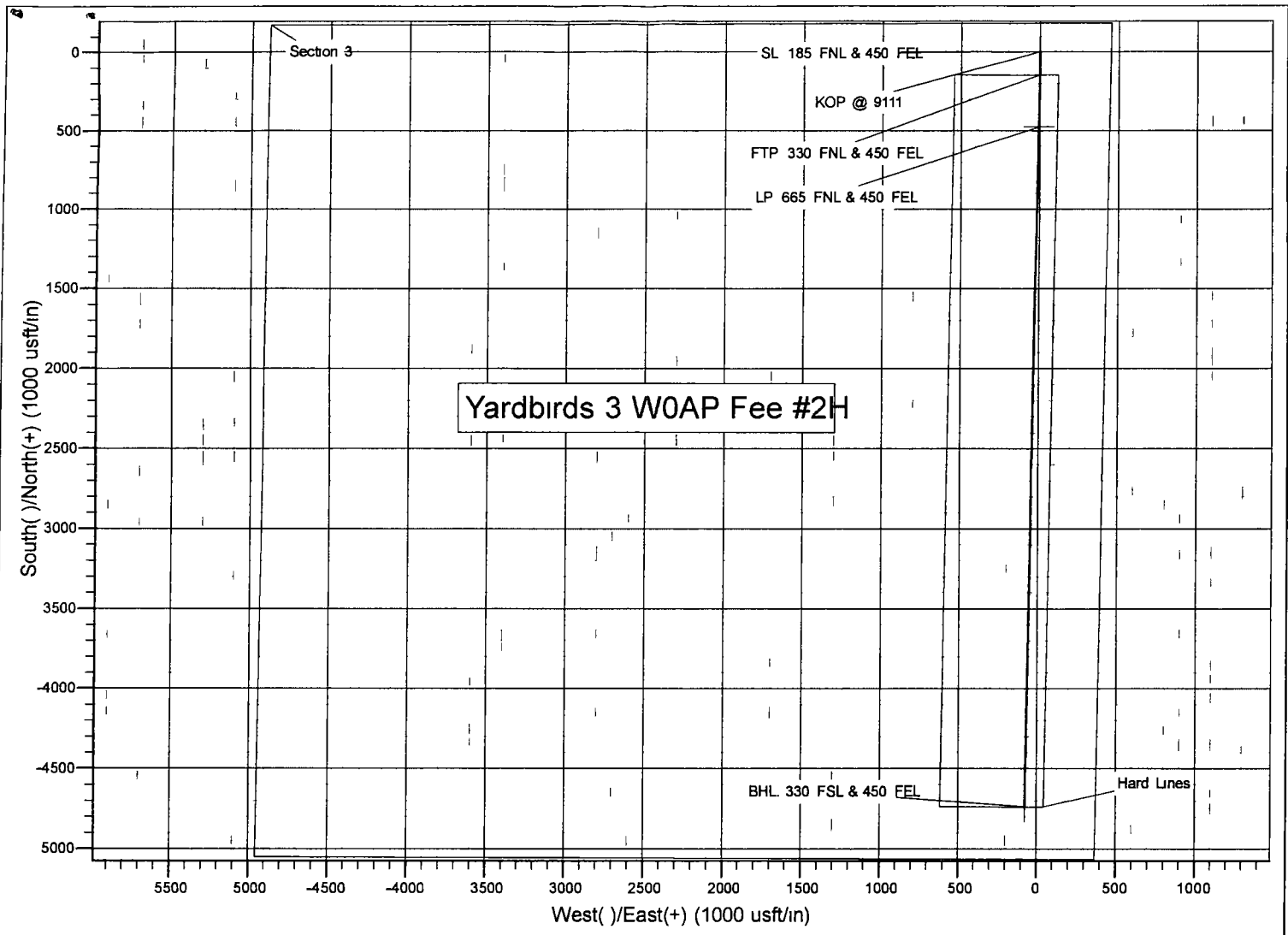
Planned Survey										
Measured Depth (usft)	Inclination ()	Azimuth ()	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (/100usft)	Build Rate (/100usft)	Turn Rate (°/100usft)	
10 000 0	89 87	180 91	9 588 3	616 8	9 8	616 9	0 00	0 00	0 00	
10 100 0	89 87	180 91	9 588 6	716 8	11 4	716 9	0 00	0 00	0 00	
10 200 0	89 87	180 91	9 588 8	816 8	12 9	816 9	0 00	0 00	0 00	
10 300 0	89 87	180 91	9 589 0	916 8	14 5	916 9	0 00	0 00	0 00	
10 400 0	89 87	180 91	9 589 3	1 016 8	16 1	1 016 9	0 00	0 00	0 00	
10 500 0	89 87	180 91	9 589 5	1 116 8	17 7	1 116 9	0 00	0 00	0 00	
10 600 0	89 87	180 91	9 589 7	1 216 8	19 3	1 216 9	0 00	0 00	0 00	
10 700 0	89 87	180 91	9 590 0	1 316 8	20 9	1 316 9	0 00	0 00	0 00	
10 800 0	89 87	180 91	9 590 2	1 416 7	22 4	1 416 9	0 00	0 00	0 00	
10 900 0	89 87	180 91	9 590 4	1 516 7	24 0	1 516 9	0 00	0 00	0 00	
11 000 0	89 87	180 91	9 590 7	1 616 7	25 6	1 616 9	0 00	0 00	0 00	
11 100 0	89 87	180 91	9 590 9	1 716 7	27 2	1 716 9	0 00	0 00	0 00	
11 200 0	89 87	180 91	9 591 1	1 816 7	28 8	1 816 9	0 00	0 00	0 00	
11 300 0	89 87	180 91	9 591 4	1 916 7	30 4	1 916 9	0 00	0 00	0 00	
11 400 0	89 87	180 91	9 591 6	2 016 7	31 9	2 016 9	0 00	0 00	0 00	
11 500 0	89 87	180 91	9 591 9	2 116 7	33 5	2 116 9	0 00	0 00	0 00	
11 600 0	89 87	180 91	9 592 1	2 216 6	35 1	2 216 9	0 00	0 00	0 00	
11 700 0	89 87	180 91	9 592 3	2 316 6	36 7	2 316 9	0 00	0 00	0 00	
11 800 0	89 87	180 91	9 592 6	2 416 6	38 3	2 416 9	0 00	0 00	0 00	
11 900 0	89 87	180 91	9 592 8	2 516 6	39 9	2 516 9	0 00	0 00	0 00	
12 000 0	89 87	180 91	9 593 0	2 616 6	-41 4	2 616 9	0 00	0 00	0 00	
12 100 0	89 87	180 91	9 593 3	2 716 6	-43 0	2 716 9	0 00	0 00	0 00	
12 200 0	89 87	180 91	9 593 5	2 816 6	-44 6	2 816 9	0 00	0 00	0 00	
12 300 0	89 87	180 91	9 593 7	2 916 6	-46 2	2 916 9	0 00	0 00	0 00	
12 400 0	89 87	180 91	9 594 0	3 016 5	-47 8	3 016 9	0 00	0 00	0 00	
12 500 0	89 87	180 91	9 594 2	3 116 5	-49 4	3 116 9	0 00	0 00	0 00	
12 600 0	89 87	180 91	9 594 4	3 216 5	50 9	3 216 9	0 00	0 00	0 00	
12 700 0	89 87	180 91	9 594 7	3 316 5	52 5	3 316 9	0 00	0 00	0 00	
12 800 0	89 87	180 91	9 594 9	3 416 5	54 1	3 416 9	0 00	0 00	0 00	
12 900 0	89 87	180 91	9 595 1	3 516 5	55 7	3 516 9	0 00	0 00	0 00	
13 000 0	89 87	180 91	9 595 4	3 616 5	57 3	3 616 9	0 00	0 00	0 00	
13 100 0	89 87	180 91	9 595 6	3 716 5	58 9	3 716 9	0 00	0 00	0 00	
13 200 0	89 87	180 91	9 595 8	3 816 4	-60 4	3 816 9	0 00	0 00	0 00	
13 300 0	89 87	180 91	9 596 1	3 916 4	-62 0	3 916 9	0 00	0 00	0 00	
13 400 0	89 87	180 91	9 596 3	-4 016 4	-63 6	4 016 9	0 00	0 00	0 00	
13 500 0	89 87	180 91	9 596 5	-4 116 4	-65 2	4 116 9	0 00	0 00	0 00	
13 600 0	89 87	180 91	9 596 8	-4 216 4	-66 8	4 216 9	0 00	0 00	0 00	
13 700 0	89 87	180 91	9 597 0	-4 316 4	-68 4	4 316 9	0 00	0 00	0 00	
13 800 0	89 87	180 91	9 597 2	-4 416 4	-69 9	4 416 9	0 00	0 00	0 00	
13 900 0	89 87	180 91	9 597 5	-4 516 3	71 5	4 516 9	0 00	0 00	0 00	
14 000 0	89 87	180 91	9 597 7	-4 616 3	73 1	4 616 9	0 00	0 00	0 00	
14 100 0	89 87	180 91	9 598 0	-4 716 3	74 7	4 716 9	0 00	0 00	0 00	
14 119 7	89 87	180 91	9 598 0	-4 736 0	75 0	4 736 6	0 00	0 00	0 00	

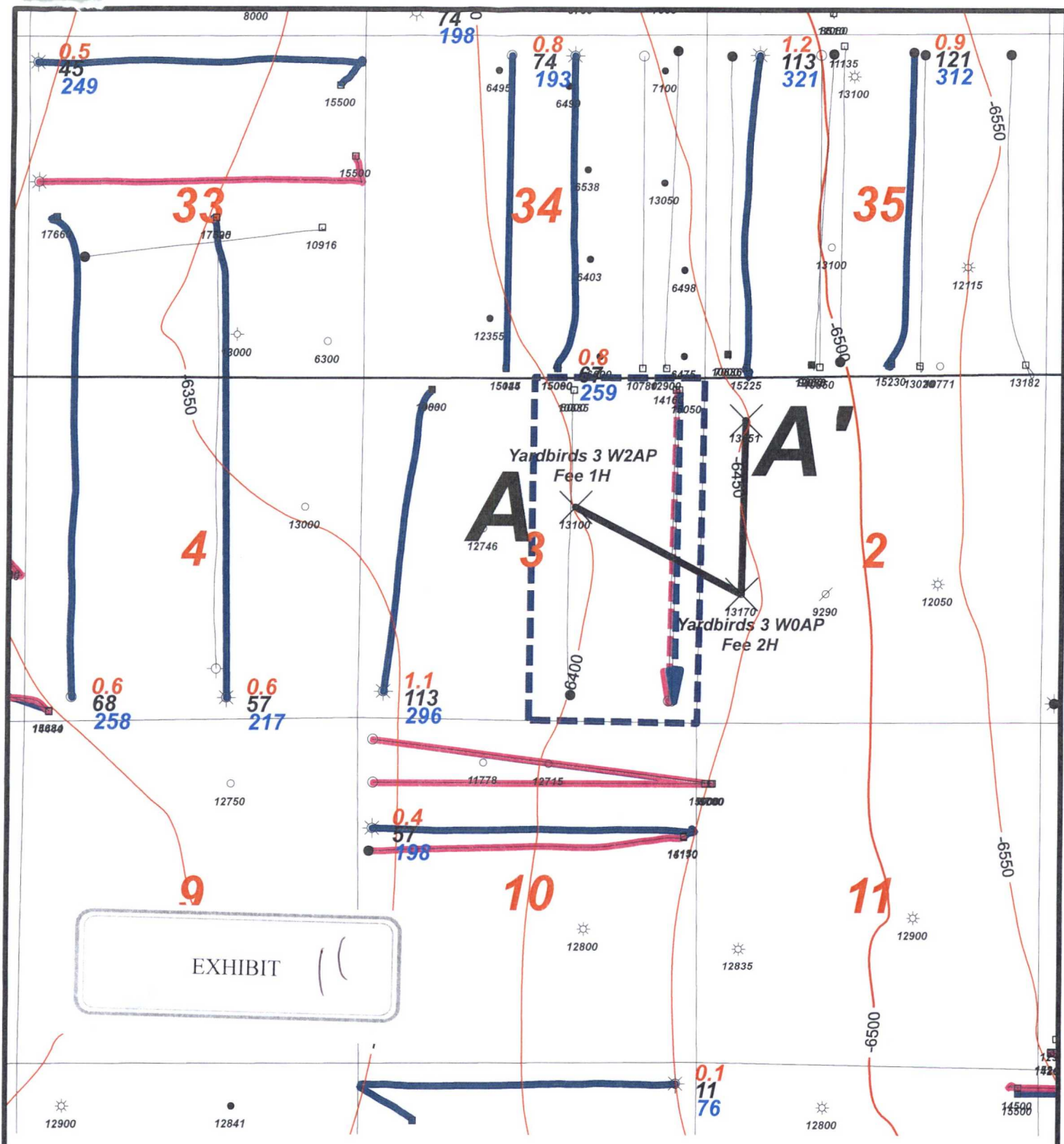
BHL 330 FSL & 450 FEL

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Well	Sec 3 T24S R28E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FSL & 450 FEL		
Design	Design #1		

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 185 FNL & 450 FEL plan hits target center Point	0 00	0 00	0 0	0 0	0 0	456 087 00	582 152 00	32 15 13 034 N	104 4 3 319 W	
KOP @ 9111 plan hits target center Point	0 00	0 00	9 110 5	0 0	0 0	456 087 00	582 152 00	32 15 13 034 N	104 4 3 319 W	
FTP 330 FNL & 450 FE plan hits target center Point	0 00	0 01	9 453 3	145 0	2 3	455 942 00	582 149 71	32 15 11 599 N	104 4 3 350 W	
LP 665 FNL & 450 FEL plan hits target center Point	0 00	0 00	9 588 0	-476 3	7 5	455 610 70	582 144 50	32 15 8 321 N	104 4 3 420 W	
BHL 330 FSL & 450 FE plan hits target center Point	0 00	0 00	9 598 0	-4 736 0	75 0	451 351 00	582 077 00	32 14 26 168 N	104 4 4 329 W	





Wolfcamp Horizontal Color Code

- Wolfcamp Sand
- Wolfcamp Shale

Cum BCF
 ● Cum MBO
 TD Cum MBW



Mewbourne Oil Company

Yardbirds 3 W2AP Fee 1H Horizontal Wolfcamp Activity Map Structure Top of WFMP (C.I. 50')

2/21/2017

Eddy County

New Mexico

Well <5000' Filtered Out

N.Cless