

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	Grnd
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		Northing	456 087 00 usft	Latitude	32 15 13 034 N
From	Map	Easting	582 152 00 usft	Longitude	104 4 3 319 W
Position Uncertainty	0 0 usft	Slot Radius	13-3/16	Grnd Convergence	0 14

Well	Sec 3 T24S R28E					
Well Position	+N/S	0 0 usft	Northing	456 087 00 usft	Latitude	32 15 13 034 N
	+E/ W	0 0 usft	Easting	582 152 00 usft	Longitude	104 4 3 319 W
Position Uncertainty	0 0 usft		Wellhead Elevation	3 045 0 usft	Ground Level	3 018 0 usft

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

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

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/S	+E/ W	Dogleg	Build	Turn	TFO	Target
Depth (usft)	()	()	Depth (usft)	(usft)	(usft)	(/100usft)	Rate (/100usft)	Rate (/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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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	00	00	00	00	00	00	00	00	00	00
SL 185 FNL & 450 FEL										
100 0	00	00	100 0	00	00	00	00	00	00	00
200 0	00	00	200 0	00	00	00	00	00	00	00
300 0	00	00	300 0	00	00	00	00	00	00	00
400 0	00	00	400 0	00	00	00	00	00	00	00
500 0	00	00	500 0	00	00	00	00	00	00	00
600 0	00	00	600 0	00	00	00	00	00	00	00
700 0	00	00	700 0	00	00	00	00	00	00	00
800 0	00	00	800 0	00	00	00	00	00	00	00
900 0	00	00	900 0	00	00	00	00	00	00	00
1 000 0	00	00	1 000 0	00	00	00	00	00	00	00
1 100 0	00	00	1 100 0	00	00	00	00	00	00	00
1 200 0	00	00	1 200 0	00	00	00	00	00	00	00
1 300 0	00	00	1 300 0	00	00	00	00	00	00	00
1 400 0	00	00	1 400 0	00	00	00	00	00	00	00
1 500 0	00	00	1 500 0	00	00	00	00	00	00	00
1 600 0	00	00	1 600 0	00	00	00	00	00	00	00
1 700 0	00	00	1 700 0	00	00	00	00	00	00	00
1 800 0	00	00	1 800 0	00	00	00	00	00	00	00
1 900 0	00	00	1 900 0	00	00	00	00	00	00	00
2 000 0	00	00	2 000 0	00	00	00	00	00	00	00
2 100 0	00	00	2 100 0	00	00	00	00	00	00	00
2 200 0	00	00	2 200 0	00	00	00	00	00	00	00
2 300 0	00	00	2 300 0	00	00	00	00	00	00	00
2 400 0	00	00	2 400 0	00	00	00	00	00	00	00
2 500 0	00	00	2 500 0	00	00	00	00	00	00	00
2 600 0	00	00	2 600 0	00	00	00	00	00	00	00
2 700 0	00	00	2 700 0	00	00	00	00	00	00	00
2 800 0	00	00	2 800 0	00	00	00	00	00	00	00
2 900 0	00	00	2 900 0	00	00	00	00	00	00	00
3 000 0	00	00	3 000 0	00	00	00	00	00	00	00
3 100 0	00	00	3 100 0	00	00	00	00	00	00	00
3 200 0	00	00	3 200 0	00	00	00	00	00	00	00
3 300 0	00	00	3 300 0	00	00	00	00	00	00	00
3 400 0	00	00	3 400 0	00	00	00	00	00	00	00
3 500 0	00	00	3 500 0	00	00	00	00	00	00	00
3 600 0	00	00	3 600 0	00	00	00	00	00	00	00
3 700 0	00	00	3 700 0	00	00	00	00	00	00	00
3 800 0	00	00	3 800 0	00	00	00	00	00	00	00
3 900 0	00	00	3 900 0	00	00	00	00	00	00	00
4 000 0	00	00	4 000 0	00	00	00	00	00	00	00
4 100 0	00	00	4 100 0	00	00	00	00	00	00	00
4 200 0	00	00	4 200 0	00	00	00	00	00	00	00
4 300 0	00	00	4 300 0	00	00	00	00	00	00	00
4 400 0	00	00	4 400 0	00	00	00	00	00	00	00
4 500 0	00	00	4 500 0	00	00	00	00	00	00	00
4 600 0	00	00	4 600 0	00	00	00	00	00	00	00
4 700 0	00	00	4 700 0	00	00	00	00	00	00	00
4 800 0	00	00	4 800 0	00	00	00	00	00	00	00
4 900 0	00	00	4 900 0	00	00	00	00	00	00	00
5 000 0	00	00	5 000 0	00	00	00	00	00	00	00
5 100 0	00	00	5 100 0	00	00	00	00	00	00	00
5 200 0	00	00	5 200 0	00	00	00	00	00	00	00

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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	0 00
5 400 0	0 00	0 00	5 400 0	0 0	0 0	0 0	0 00	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	0 00
5 600 0	0 00	0 00	5 600 0	0 0	0 0	0 0	0 00	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	0 00
5 800 0	0 00	0 00	5 800 0	0 0	0 0	0 0	0 00	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	0 00
6 000 0	0 00	0 00	6 000 0	0 0	0 0	0 0	0 00	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	0 00
6 200 0	0 00	0 00	6 200 0	0 0	0 0	0 0	0 00	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	0 00
6 400 0	0 00	0 00	6 400 0	0 0	0 0	0 0	0 00	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	0 00
6 600 0	0 00	0 00	6 600 0	0 0	0 0	0 0	0 00	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	0 00
6 800 0	0 00	0 00	6 800 0	0 0	0 0	0 0	0 00	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	0 00
7 000 0	0 00	0 00	7 000 0	0 0	0 0	0 0	0 00	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	0 00
7 200 0	0 00	0 00	7 200 0	0 0	0 0	0 0	0 00	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	0 00
7 400 0	0 00	0 00	7 400 0	0 0	0 0	0 0	0 00	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	0 00
7 600 0	0 00	0 00	7 600 0	0 0	0 0	0 0	0 00	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	0 00
7 800 0	0 00	0 00	7 800 0	0 0	0 0	0 0	0 00	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	0 00
8 000 0	0 00	0 00	8 000 0	0 0	0 0	0 0	0 00	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	0 00
8 200 0	0 00	0 00	8 200 0	0 0	0 0	0 0	0 00	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	0 00
8 400 0	0 00	0 00	8 400 0	0 0	0 0	0 0	0 00	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	0 00
8 600 0	0 00	0 00	8 600 0	0 0	0 0	0 0	0 00	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	0 00
8 800 0	0 00	0 00	8 800 0	0 0	0 0	0 0	0 00	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	0 00
9 000 0	0 00	0 00	9 000 0	0 0	0 0	0 0	0 00	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	0 00
9 110 5	0 00	0 00	9 110 5	0 0	0 0	0 0	0 00	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	0 00
9 300 0	22 74	180 91	9 295 1	37 1	0 6	37 1	12 00	12 00	0 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	0 00
9 492 8	45 87	180 91	9 453 3	145 0	2 3	145 0	12 00	12 00	0 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	0 00
9 600 0	58 74	180 91	9 518 7	229 6	3 6	229 7	12 00	12 00	0 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	0 00
9 800 0	82 74	180 91	9 584 2	-417 0	-6 6	417 1	12 00	12 00	0 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	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	0 00

Planning Report

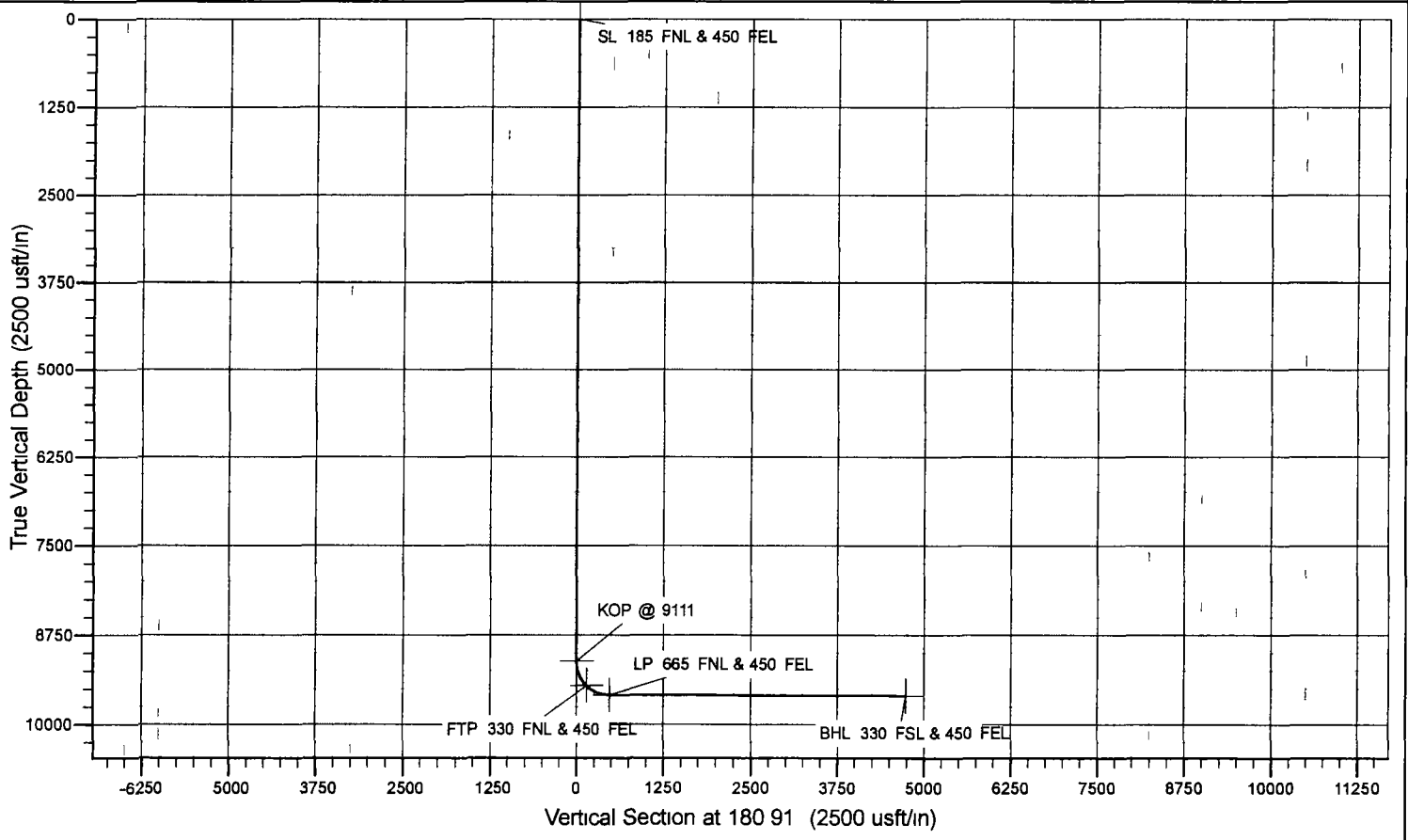
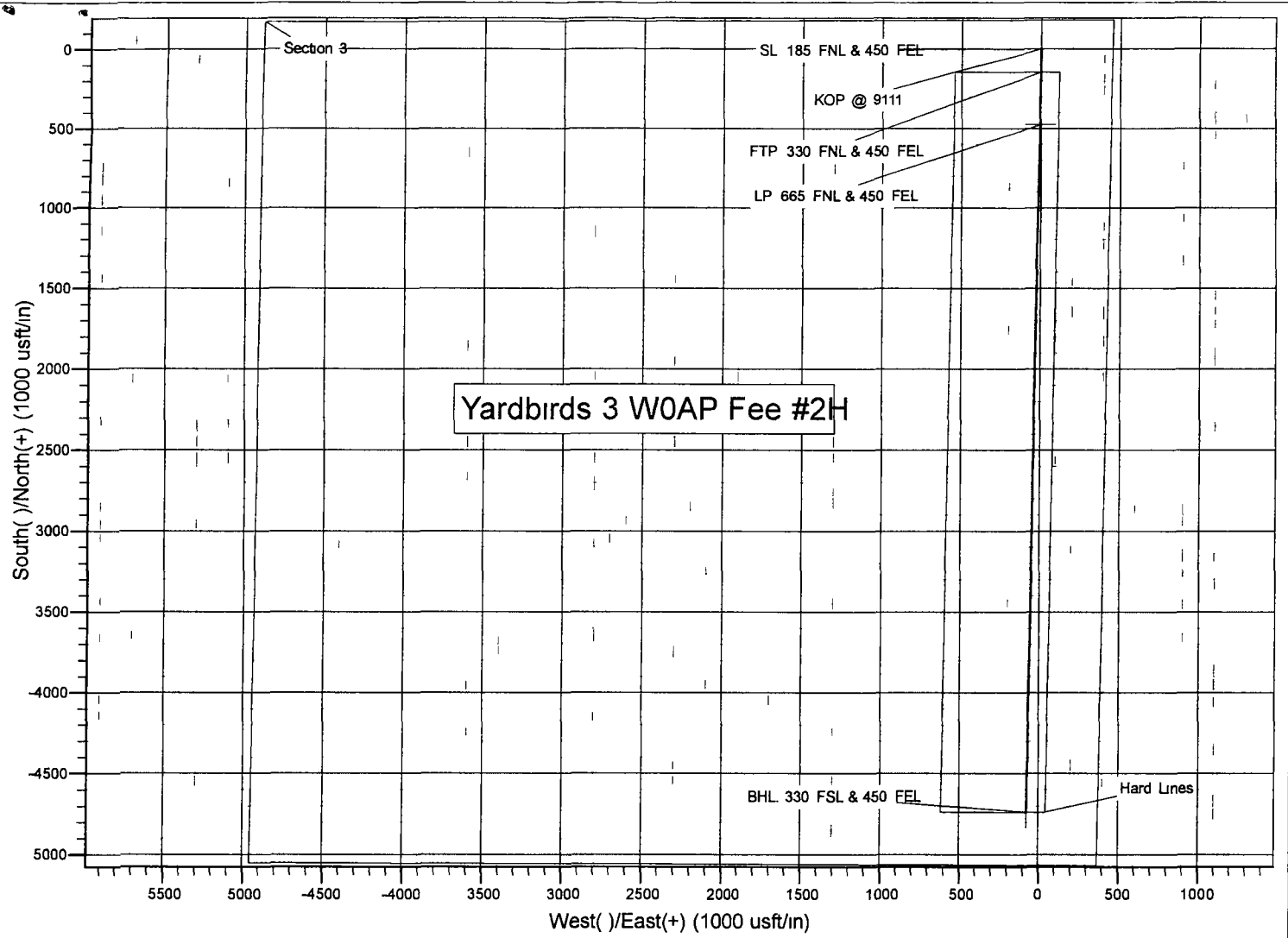
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Well	Sec 3 T24S R28E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FSL & 450 FEL		
Design	Design #1		

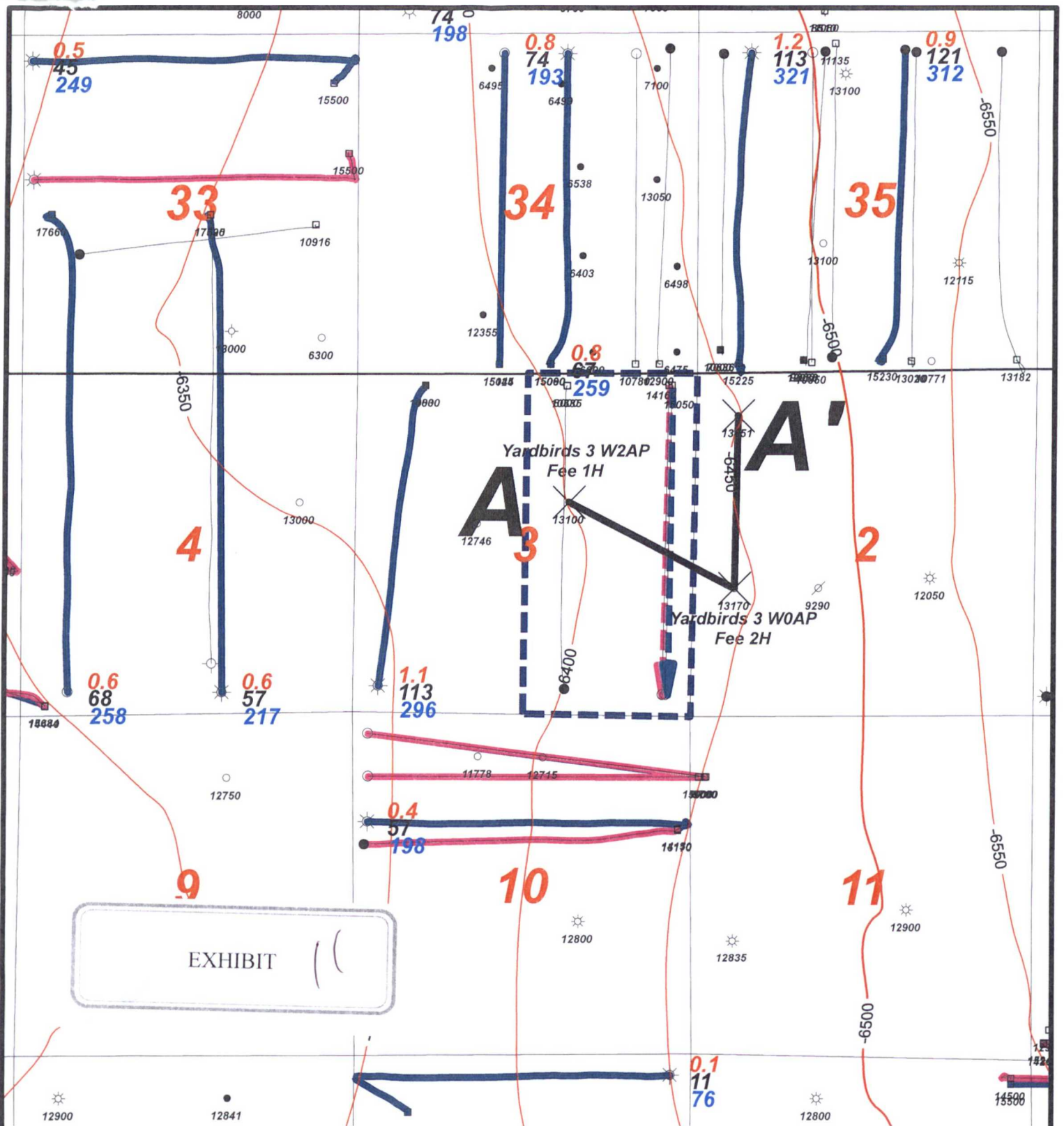
Planned Survey										
Measured Depth (usft)	Inclination ()	Azimuth ()	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (/100usft)	Build Rate (/100usft)	Turn Rate (/100usft)	
10 000 0	89 87	180 91	9 588 3	-616 8	9 8	616 9	0 00	0 00	0 00	
10 100 0	89 87	180 91	9 588 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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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
- 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