



MEWBOURNE
OIL COMPANY

Mewbourne Oil Compnay

Lea Co., NM (NAD 83)

Paduca 7-6

W1FC Fed Com 2H

OH

Design: OH

Standard Survey Report

19 August, 2019

HOBBS OCD
FEB 24 2020
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L T I T U D E
ENERGY PARTNERS

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1FC Fed Com 2H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3275.00usft (Patterson 244)
Site:	Paduca 7-6	MD Reference:	RKB=27 @ 3275.00usft (Patterson 244)
Well:	W1FC Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea Co., NM (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		Paduca 7-6							
Site Position:		Northing:	385,386.20	usft	Latitude:	32.058009			
From:	Map	Easting:	732,219.10	usft	Longitude:	-103.717180			
Position Uncertainty:		0.00	usft	Slot Radius:	13-3/16	"	Grid Convergence:	0.33	°

Well	W1FC Fed Com 2H					
Well Position	+N/-S	0.00 usft	Northing:	385,385.80 usft	Latitude:	32.058009
	+E/-W	0.00 usft	Easting:	732,169.20 usft	Longitude:	-103.717341
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,248.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	06/25/19	6.79	59.86	47,618.08216966

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	358.77	

Survey Program	Date	08/19/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.00	1,000.00	Surface (OH)	MWD	OWSG MWD - Standard	
1,249.00	19,545.00	MWD Survey (OH)	MWD	OWSG MWD - Standard	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.40	57.00	200.00	0.38	0.59	0.37	0.20	0.20	0.00	
400.00	1.50	2.00	399.97	3.38	1.26	3.35	0.66	0.55	-27.50	
600.00	2.00	25.00	599.88	9.16	2.83	9.09	0.43	0.25	11.50	
850.00	4.60	22.00	849.44	22.41	8.43	22.22	1.04	1.04	-1.20	
1,000.00	5.00	31.00	998.92	33.59	14.05	33.28	0.57	0.27	6.00	
1,249.00	4.97	43.89	1,246.98	50.66	27.12	50.07	0.45	-0.01	5.18	
First MWD Survey										
1,344.00	4.23	44.62	1,341.68	56.12	32.43	55.41	0.78	-0.78	0.77	
1,438.00	2.89	46.58	1,435.49	60.22	36.59	59.42	1.43	-1.43	2.09	

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Project: Lea Co., NM (NAD 83)
Site: Paduca 7-6
Well: W1FC Fed Com 2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well W1FC Fed Com 2H
TVD Reference: RKB=27 @ 3275.00usft (Patterson 244)
MD Reference: RKB=27 @ 3275.00usft (Patterson 244)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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)
1,532.00	1.86	51.39	1,529.41	62.80	39.50	61.94	1.12	-1.10	5.12
1,627.00	0.62	71.68	1,624.39	63.92	41.19	63.02	1.36	-1.31	21.36
1,723.00	0.84	256.40	1,720.39	63.92	41.00	63.03	1.52	0.23	-182.58
1,817.00	1.50	265.87	1,814.37	63.67	39.10	62.82	0.73	0.70	10.07
1,911.00	1.64	266.86	1,908.33	63.51	36.53	62.71	0.15	0.15	1.05
2,005.00	1.33	261.59	2,002.30	63.27	34.11	62.53	0.36	-0.33	-5.61
2,098.00	1.24	247.19	2,095.28	62.73	32.12	62.02	0.36	-0.10	-15.48
2,193.00	1.08	230.82	2,190.26	61.76	30.47	61.09	0.39	-0.17	-17.23
2,287.00	1.07	209.91	2,284.24	60.44	29.35	59.80	0.42	-0.01	-22.24
2,382.00	0.97	199.72	2,379.23	58.92	28.64	58.29	0.22	-0.11	-10.73
2,475.00	1.29	212.91	2,472.21	57.30	27.80	56.69	0.44	0.34	14.18
2,569.00	1.68	213.40	2,566.18	55.26	26.47	54.68	0.42	0.41	0.52
2,663.00	2.06	227.33	2,660.13	52.96	24.47	52.42	0.63	0.40	14.82
2,757.00	1.60	226.93	2,754.08	50.92	22.27	50.43	0.49	-0.49	-0.43
2,851.00	0.91	120.84	2,848.06	49.64	21.95	49.16	2.18	-0.73	-112.86
2,946.00	3.74	75.48	2,942.98	50.03	25.60	49.47	3.33	2.98	-47.75
3,040.00	5.93	75.21	3,036.64	52.04	33.26	51.31	2.33	2.33	-0.29
3,134.00	5.85	76.21	3,130.14	54.42	42.61	53.49	0.14	-0.09	1.06
3,228.00	4.59	73.64	3,223.75	56.62	50.87	55.52	1.36	-1.34	-2.73
3,322.00	4.07	69.32	3,317.48	58.86	57.60	57.61	0.65	-0.55	-4.60
3,417.00	3.66	53.13	3,412.27	61.87	63.18	60.50	1.22	-0.43	-17.04
3,511.00	1.86	19.23	3,506.16	65.11	66.08	63.68	2.51	-1.91	-36.06
3,605.00	0.91	355.69	3,600.14	67.30	66.53	65.85	1.16	-1.01	-25.04
3,699.00	0.71	308.50	3,694.13	68.40	66.02	66.97	0.72	-0.21	-50.20
3,792.00	1.68	227.20	3,787.11	67.84	64.57	66.43	1.85	1.04	-87.42
3,886.00	0.93	240.05	3,881.09	66.52	62.89	65.15	0.85	-0.80	13.67
3,979.00	2.18	214.15	3,974.05	64.68	61.25	63.35	1.51	1.34	-27.85
4,073.00	3.43	195.64	4,067.94	60.49	59.49	59.20	1.63	1.33	-19.69
4,167.00	4.19	186.98	4,161.73	54.37	58.31	53.11	1.01	0.81	-9.21
4,261.00	4.52	211.68	4,255.47	47.81	55.95	46.60	2.01	0.35	26.28
4,355.00	4.70	219.19	4,349.16	41.68	51.57	40.56	0.67	0.19	7.99
4,449.00	5.00	224.80	4,442.83	35.78	46.25	34.78	0.60	0.32	5.97
4,543.00	5.75	224.06	4,536.41	29.49	40.09	28.63	0.80	0.80	-0.79
4,637.00	5.16	227.27	4,629.99	23.24	33.71	22.51	0.71	-0.63	3.41
4,731.00	4.49	231.11	4,723.65	18.06	27.74	17.46	0.79	-0.71	4.09
4,825.00	4.31	230.57	4,817.38	13.51	22.15	13.03	0.20	-0.19	-0.57
4,919.00	4.49	232.77	4,911.10	9.04	16.49	8.68	0.26	0.19	2.34
5,012.00	4.99	230.89	5,003.78	4.29	10.45	4.06	0.56	0.54	-2.02
5,106.00	5.84	228.83	5,097.36	-1.44	3.68	-1.52	0.93	0.90	-2.19
5,200.00	5.19	224.94	5,190.93	-7.60	-2.92	-7.53	0.80	-0.69	-4.14
5,294.00	5.10	222.03	5,284.55	-13.71	-8.72	-13.52	0.29	-0.10	-3.10
5,387.00	5.18	219.89	5,377.17	-20.00	-14.18	-19.69	0.22	0.09	-2.30
5,481.00	5.72	220.63	5,470.75	-26.81	-19.96	-26.38	0.58	0.57	0.79

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Well:	W1FC Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
5,575.00	5.44	219.55	5,564.30	-33.81	-25.84	-33.24	0.32	-0.30	-1.15
5,669.00	5.28	221.70	5,657.89	-40.47	-31.56	-39.78	0.27	-0.17	2.29
5,763.00	4.40	230.73	5,751.56	-45.98	-37.23	-45.17	1.24	-0.94	9.61
5,856.00	2.47	234.86	5,844.39	-49.39	-41.63	-48.49	2.09	-2.08	4.44
5,950.00	2.06	228.33	5,938.31	-51.68	-44.55	-50.72	0.51	-0.44	-6.95
6,043.00	1.90	230.19	6,031.26	-53.78	-46.98	-52.76	0.19	-0.17	2.00
6,137.00	2.01	228.86	6,125.20	-55.86	-49.42	-54.79	0.13	0.12	-1.41
6,231.00	2.19	232.12	6,219.14	-58.05	-52.08	-56.92	0.23	0.19	3.47
6,324.00	2.05	230.74	6,312.08	-60.19	-54.77	-59.01	0.16	-0.15	-1.48
6,418.00	1.79	235.65	6,406.02	-62.09	-57.28	-60.84	0.33	-0.28	5.22
6,512.00	1.88	230.98	6,499.97	-63.89	-59.69	-62.59	0.19	0.10	-4.97
6,606.00	2.33	228.51	6,593.91	-66.12	-62.32	-64.77	0.49	0.48	-2.63
6,700.00	2.30	232.40	6,687.83	-68.54	-65.25	-67.12	0.17	-0.03	4.14
6,794.00	2.31	233.70	6,781.76	-70.81	-68.27	-69.33	0.06	0.01	1.38
6,887.00	2.59	228.71	6,874.67	-73.31	-71.36	-71.76	0.38	0.30	-5.37
6,980.00	2.14	227.65	6,967.59	-75.86	-74.22	-74.25	0.49	-0.48	-1.14
7,073.00	2.09	226.38	7,060.53	-78.20	-76.73	-76.54	0.07	-0.05	-1.37
7,167.00	2.01	231.34	7,154.47	-80.42	-79.26	-78.70	0.21	-0.09	5.28
7,261.00	2.13	224.11	7,248.41	-82.70	-81.76	-80.93	0.31	0.13	-7.69
7,355.00	2.19	224.40	7,342.34	-85.24	-84.23	-83.41	0.06	0.06	0.31
7,449.00	2.16	228.67	7,436.27	-87.69	-86.82	-85.81	0.18	-0.03	4.54
7,542.00	2.22	223.93	7,529.21	-90.15	-89.39	-88.21	0.21	0.06	-5.10
7,636.00	1.90	226.56	7,623.15	-92.53	-91.78	-90.54	0.35	-0.34	2.80
7,730.00	1.81	218.76	7,717.10	-94.76	-93.84	-92.72	0.28	-0.10	-8.30
7,824.00	1.98	217.77	7,811.05	-97.20	-95.76	-95.12	0.18	0.18	-1.05
7,918.00	1.87	218.27	7,904.99	-99.69	-97.71	-97.57	0.12	-0.12	0.53
8,012.00	2.05	218.09	7,998.94	-102.21	-99.70	-100.05	0.19	0.19	-0.19
8,106.00	1.88	220.31	8,092.88	-104.71	-101.73	-102.50	0.20	-0.18	2.36
8,200.00	1.98	220.33	8,186.83	-107.13	-103.78	-104.87	0.11	0.11	0.02
8,293.00	1.49	220.06	8,279.79	-109.28	-105.60	-106.98	0.53	-0.53	-0.29
8,387.00	1.46	222.94	8,373.75	-111.09	-107.20	-108.76	0.09	-0.03	3.06
8,481.00	1.67	222.29	8,467.72	-112.98	-108.94	-110.61	0.22	0.22	-0.69
8,575.00	1.69	229.51	8,561.68	-114.89	-110.91	-112.48	0.23	0.02	7.68
8,668.00	1.87	229.29	8,654.63	-116.77	-113.11	-114.32	0.19	0.19	-0.24
8,762.00	1.72	227.33	8,748.59	-118.73	-115.31	-116.23	0.17	-0.16	-2.09
8,856.00	1.77	230.95	8,842.54	-120.60	-117.47	-118.05	0.13	0.05	3.85
8,950.00	2.10	244.89	8,936.49	-122.24	-120.16	-119.64	0.61	0.35	14.83
9,043.00	1.26	249.70	9,029.45	-123.32	-122.66	-120.66	0.92	-0.90	5.17
9,136.00	1.03	229.57	9,122.43	-124.22	-124.25	-121.52	0.49	-0.25	-21.65
9,230.00	0.28	205.52	9,216.43	-124.97	-125.00	-122.26	0.83	-0.80	-25.59
9,325.00	0.64	218.26	9,311.42	-125.60	-125.43	-122.88	0.39	0.38	13.41
9,419.00	1.19	204.71	9,405.41	-126.90	-126.16	-124.16	0.62	0.59	-14.41
9,512.00	1.23	197.50	9,498.39	-128.73	-126.86	-125.98	0.17	0.04	-7.75

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
9,606.00	0.93	186.47	9,592.37	-130.45	-127.25	-127.69	0.39	-0.32	-11.73
9,699.00	0.67	147.66	9,685.36	-131.66	-127.05	-128.90	0.63	-0.28	-41.73
9,793.00	0.72	129.01	9,779.36	-132.49	-126.29	-129.75	0.25	0.05	-19.84
9,887.00	0.40	94.38	9,873.35	-132.89	-125.51	-130.17	0.48	-0.34	-36.84
9,982.00	0.23	84.01	9,968.35	-132.90	-124.99	-130.18	0.19	-0.18	-10.92
10,076.00	0.12	337.16	10,062.35	-132.79	-124.84	-130.08	0.31	-0.12	-113.67
10,170.00	0.39	173.33	10,156.35	-133.01	-124.84	-130.30	0.54	0.29	-174.29
10,263.00	0.65	255.67	10,249.35	-133.46	-125.31	-130.74	0.77	0.28	88.54
10,357.00	1.23	253.77	10,343.34	-133.87	-126.80	-131.12	0.62	0.62	-2.02
10,451.00	2.13	257.55	10,437.29	-134.53	-129.47	-131.72	0.96	0.96	4.02
10,545.00	2.44	229.86	10,531.22	-136.20	-132.71	-133.32	1.21	0.33	-29.46
10,638.00	2.33	211.35	10,624.14	-139.09	-135.21	-136.15	0.83	-0.12	-19.90
10,732.00	2.54	223.46	10,718.06	-142.23	-137.63	-139.24	0.59	0.22	12.88
10,826.00	2.19	221.45	10,811.98	-145.09	-140.25	-142.05	0.38	-0.37	-2.14
10,920.00	1.74	216.24	10,905.92	-147.59	-142.29	-144.50	0.51	-0.48	-5.54
11,013.00	1.28	232.31	10,998.89	-149.36	-143.94	-146.24	0.67	-0.49	17.28
11,107.00	1.18	234.47	11,092.87	-150.57	-145.56	-147.41	0.12	-0.11	2.30
11,132.00	1.22	233.27	11,117.86	-150.87	-145.98	-147.71	0.19	0.16	-4.80
11,225.00	4.26	125.54	11,210.78	-153.48	-143.97	-150.35	5.13	3.27	-115.84
11,256.00	6.79	106.66	11,241.63	-154.67	-141.27	-151.60	9.94	8.16	-60.90
11,288.00	8.15	100.24	11,273.36	-155.62	-137.23	-152.63	4.98	4.25	-20.06
11,319.00	7.77	83.30	11,304.07	-155.76	-132.98	-152.87	7.64	-1.23	-54.65
11,350.00	9.24	66.95	11,334.73	-154.54	-128.61	-151.75	9.08	4.74	-52.74
11,381.00	11.63	61.46	11,365.22	-152.08	-123.58	-149.39	8.34	7.71	-17.71
11,410.00	13.35	54.37	11,393.53	-148.73	-118.29	-146.15	7.94	5.93	-24.45
11,442.00	14.74	42.51	11,424.58	-143.57	-112.53	-141.12	9.97	4.34	-37.06
11,472.00	16.61	37.31	11,453.46	-137.35	-107.35	-135.01	7.79	6.23	-17.33
11,504.00	18.17	35.62	11,484.00	-129.65	-101.67	-127.44	5.12	4.88	-5.28
11,535.00	20.11	28.78	11,513.29	-121.05	-96.29	-118.96	9.56	6.26	-22.06
11,565.00	23.56	25.64	11,541.13	-111.12	-91.21	-109.14	12.14	11.50	-10.47
11,597.00	26.19	25.64	11,570.16	-98.99	-85.39	-97.13	8.22	8.22	0.00
11,627.00	29.59	25.15	11,596.67	-86.31	-79.37	-84.59	11.36	11.33	-1.63
11,659.00	34.22	23.77	11,623.83	-70.92	-72.39	-69.35	14.65	14.47	-4.31
11,690.00	39.86	18.68	11,648.57	-53.51	-65.68	-52.09	20.70	18.19	-16.42
11,721.00	46.46	17.22	11,671.17	-33.35	-59.17	-32.07	21.53	21.29	-4.71
11,752.00	53.59	16.39	11,691.08	-10.62	-52.31	-9.49	23.09	23.00	-2.68
11,784.00	58.72	11.83	11,708.90	15.15	-45.87	16.13	19.92	16.03	-14.25
11,819.00	62.25	3.83	11,726.16	45.28	-41.76	46.17	22.29	10.09	-22.86
11,937.00	74.05	356.65	11,770.05	154.52	-41.59	155.38	11.48	10.00	-6.08
11,969.00	75.50	356.54	11,778.45	185.34	-43.42	186.23	4.54	4.53	-0.34
12,061.00	81.14	355.60	11,797.07	275.19	-49.60	276.19	6.21	6.13	-1.02
12,155.00	86.04	355.91	11,807.56	368.32	-56.51	369.45	5.22	5.21	0.33
12,249.00	90.64	356.00	11,810.29	462.02	-63.14	463.27	4.89	4.89	0.10
12,343.00	90.70	356.02	11,809.19	555.78	-69.68	557.15	0.07	0.06	0.02

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1FC Fed Com 2H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3275.00usft (Patterson 244)
Site:	Paduca 7-6	MD Reference:	RKB=27 @ 3275.00usft (Patterson 244)
Well:	W1FC Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
12,437.00	90.73	355.44	11,808.01	649.52	-76.68	651.01	0.62	0.03	-0.62
12,530.00	91.49	356.73	11,806.21	742.28	-83.03	743.89	1.61	0.82	1.39
12,623.00	88.43	355.94	11,806.28	835.08	-88.97	836.79	3.40	-3.29	-0.85
12,717.00	86.66	355.39	11,810.30	928.72	-96.07	930.57	1.97	-1.88	-0.59
12,811.00	88.04	355.13	11,814.65	1,022.29	-103.83	1,024.29	1.49	1.47	-0.28
12,903.00	89.41	356.02	11,816.70	1,113.99	-110.92	1,116.12	1.78	1.49	0.97
12,997.00	88.40	354.89	11,818.49	1,207.68	-118.37	1,209.94	1.61	-1.07	-1.20
13,090.00	89.33	357.07	11,820.33	1,300.43	-124.89	1,302.81	2.55	1.00	2.34
13,183.00	89.69	357.23	11,821.13	1,393.31	-129.51	1,395.77	0.42	0.39	0.17
13,277.00	89.86	358.00	11,821.50	1,487.22	-133.42	1,489.75	0.84	0.18	0.82
13,371.00	90.56	357.68	11,821.15	1,581.16	-136.97	1,583.73	0.82	0.74	-0.34
13,464.00	91.77	359.19	11,819.26	1,674.10	-139.51	1,676.71	2.08	1.30	1.62
13,558.00	90.62	359.66	11,817.30	1,768.07	-140.45	1,770.68	1.32	-1.22	0.50
13,651.00	91.99	1.39	11,815.19	1,861.04	-139.60	1,863.60	2.37	1.47	1.86
13,744.00	90.17	3.13	11,813.43	1,953.94	-135.93	1,956.41	2.71	-1.96	1.87
13,838.00	92.44	7.69	11,811.29	2,047.47	-127.08	2,049.72	5.42	2.41	4.85
13,931.00	91.09	6.14	11,808.43	2,139.74	-115.89	2,141.74	2.21	-1.45	-1.67
14,024.00	93.19	3.12	11,804.95	2,232.36	-108.38	2,234.17	3.95	2.26	-3.25
14,117.00	92.07	0.13	11,800.68	2,325.21	-105.75	2,326.94	3.43	-1.20	-3.22
14,211.00	89.78	359.94	11,799.17	2,419.19	-105.69	2,420.90	2.44	-2.44	-0.20
14,294.00	88.63	357.52	11,800.32	2,502.16	-107.53	2,503.89	3.23	-1.39	-2.92
14,388.00	87.25	354.00	11,803.70	2,595.82	-114.48	2,597.68	4.02	-1.47	-3.74
14,481.00	87.90	354.67	11,807.63	2,688.28	-123.65	2,690.32	1.00	0.70	0.72
14,575.00	87.14	355.24	11,811.70	2,781.83	-131.91	2,784.02	1.01	-0.81	0.61
14,667.00	87.87	358.76	11,815.71	2,873.60	-136.71	2,875.87	3.90	0.79	3.83
14,762.00	89.41	0.07	11,817.96	2,968.56	-137.68	2,970.84	2.13	1.62	1.38
14,856.00	89.47	0.32	11,818.88	3,062.56	-137.36	3,064.80	0.27	0.06	0.27
14,949.00	89.80	359.77	11,819.47	3,155.56	-137.29	3,157.78	0.69	0.35	-0.59
15,042.00	88.54	359.45	11,820.82	3,248.54	-137.92	3,250.76	1.40	-1.35	-0.34
15,136.00	89.83	359.90	11,822.16	3,342.53	-138.46	3,344.73	1.45	1.37	0.48
15,230.00	88.74	0.66	11,823.33	3,436.52	-138.00	3,438.69	1.41	-1.16	0.81
15,325.00	89.64	0.29	11,824.67	3,531.51	-137.21	3,533.64	1.02	0.95	-0.39
15,419.00	89.89	0.23	11,825.06	3,625.50	-136.78	3,627.60	0.27	0.27	-0.06
15,512.00	90.39	0.26	11,824.83	3,718.50	-136.39	3,720.57	0.54	0.54	0.03
15,606.00	90.98	0.82	11,823.71	3,812.49	-135.50	3,814.52	0.87	0.63	0.60
15,700.00	90.39	357.70	11,822.58	3,906.46	-136.71	3,908.50	3.38	-0.63	-3.32
15,793.00	90.50	356.30	11,821.86	3,999.33	-141.58	4,001.45	1.51	0.12	-1.51
15,887.00	90.22	355.46	11,821.27	4,093.09	-148.33	4,095.33	0.94	-0.30	-0.89
15,982.00	90.11	356.57	11,821.00	4,187.85	-154.94	4,190.21	1.17	-0.12	1.17
16,076.00	90.22	0.05	11,820.73	4,281.80	-157.71	4,284.20	3.70	0.12	3.70
16,170.00	90.48	1.19	11,820.15	4,375.79	-156.69	4,378.14	1.24	0.28	1.21
16,263.00	90.78	1.46	11,819.13	4,468.76	-154.54	4,471.05	0.43	0.32	0.29
16,356.00	92.04	2.95	11,816.84	4,561.66	-150.96	4,563.85	2.10	1.35	1.60

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1FC Fed Com 2H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3275.00usft (Patterson 244)
Site:	Paduca 7-6	MD Reference:	RKB=27 @ 3275.00usft (Patterson 244)
Well:	W1FC Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
16,449.00	90.31	1.23	11,814.93	4,654.57	-147.57	4,656.66	2.62	-1.86	-1.85
16,543.00	90.08	1.08	11,814.61	4,748.55	-145.68	4,750.58	0.29	-0.24	-0.16
16,635.00	90.67	1.53	11,814.01	4,840.52	-143.58	4,842.49	0.81	0.64	0.49
16,728.00	90.90	2.92	11,812.74	4,933.44	-139.97	4,935.31	1.51	0.25	1.49
16,820.00	89.97	2.63	11,812.04	5,025.33	-135.52	5,027.08	1.06	-1.01	-0.32
16,913.00	89.05	2.36	11,812.83	5,118.24	-131.47	5,119.88	1.03	-0.99	-0.29
17,006.00	85.46	358.84	11,817.29	5,211.10	-130.49	5,212.70	5.40	-3.86	-3.78
17,099.00	88.38	355.08	11,822.29	5,303.80	-135.42	5,305.49	5.11	3.14	-4.04
17,191.00	90.45	353.13	11,823.23	5,395.30	-144.87	5,397.17	3.09	2.25	-2.12
17,284.00	90.22	356.98	11,822.68	5,487.94	-152.88	5,489.95	4.15	-0.25	4.14
17,376.00	89.58	358.11	11,822.84	5,579.85	-156.83	5,581.93	1.41	-0.70	1.23
17,469.00	89.72	1.24	11,823.41	5,672.84	-157.35	5,674.91	3.37	0.15	3.37
17,562.00	88.94	3.03	11,824.50	5,765.76	-153.89	5,767.74	2.10	-0.84	1.92
17,655.00	89.50	5.55	11,825.77	5,858.48	-146.93	5,860.29	2.78	0.60	2.71
17,748.00	90.22	4.82	11,825.99	5,951.10	-138.53	5,952.70	1.10	0.77	-0.78
17,841.00	94.32	5.46	11,822.31	6,043.63	-130.21	6,045.04	4.46	4.41	0.69
17,935.00	93.76	0.56	11,815.68	6,137.24	-125.28	6,138.52	5.23	-0.60	-5.21
18,029.00	90.81	357.43	11,811.93	6,231.13	-126.93	6,232.42	4.57	-3.14	-3.33
18,122.00	90.62	357.01	11,810.77	6,324.01	-131.44	6,325.38	0.50	-0.20	-0.45
18,215.00	90.39	357.35	11,809.95	6,416.90	-136.02	6,418.34	0.44	-0.25	0.37
18,309.00	91.43	358.22	11,808.46	6,510.81	-139.65	6,512.31	1.44	1.11	0.93
18,402.00	88.18	357.78	11,808.78	6,603.74	-142.90	6,605.29	3.53	-3.49	-0.47
18,495.00	88.37	359.26	11,811.58	6,696.67	-145.30	6,698.24	1.60	0.20	1.59
18,589.00	88.63	358.98	11,814.04	6,790.62	-146.74	6,792.21	0.41	0.28	-0.30
18,683.00	88.52	359.20	11,816.38	6,884.58	-148.23	6,886.18	0.26	-0.12	0.23
18,776.00	88.74	358.98	11,818.60	6,977.55	-149.71	6,979.15	0.33	0.24	-0.24
18,871.00	88.51	359.35	11,820.88	7,072.51	-151.09	7,074.12	0.46	-0.24	0.39
18,965.00	90.39	0.17	11,821.78	7,166.50	-151.49	7,168.10	2.18	2.00	0.87
19,059.00	89.92	359.25	11,821.53	7,260.49	-151.96	7,262.08	1.10	-0.50	-0.98
19,153.00	86.92	357.56	11,824.12	7,354.41	-154.58	7,356.03	3.66	-3.19	-1.80
19,247.00	89.72	359.11	11,826.87	7,448.32	-157.31	7,449.98	3.40	2.98	1.65
19,341.00	93.81	2.50	11,823.98	7,542.23	-155.99	7,543.84	5.65	4.35	3.61
19,435.00	90.11	0.08	11,820.76	7,636.13	-153.88	7,637.67	4.70	-3.94	-2.57
19,505.00	88.04	358.53	11,821.89	7,706.11	-154.73	7,707.65	3.69	-2.96	-2.21
Last MWD Survey @ 19505'									
19,545.00	88.04	358.53	11,823.26	7,746.07	-155.75	7,747.63	0.00	0.00	0.00
PTB @ 19545'									

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W1FC Fed Com 2H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	RKB=27 @ 3275.00usft (Patterson 244)
Site:	Paduca 7-6	MD Reference:	RKB=27 @ 3275.00usft (Patterson 244)
Well:	W1FC Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,249.00	1,246.98	50.66	27.12	First MWD Survey
19,505.00	11,821.89	7,706.11	-154.73	Last MWD Survey @ 19505'
19,545.00	11,823.26	7,746.07	-155.75	PTB @ 19545'

Checked By: _____	Approved By: _____	Date: _____
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WELL DETAILS: W1FC Fed Com 2H

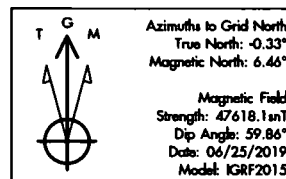
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	385385.80	732169.20	32.058009	-103.717341

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
2H PBHL	11780.00	7736.80	-165.80	393122.60	732003.40	

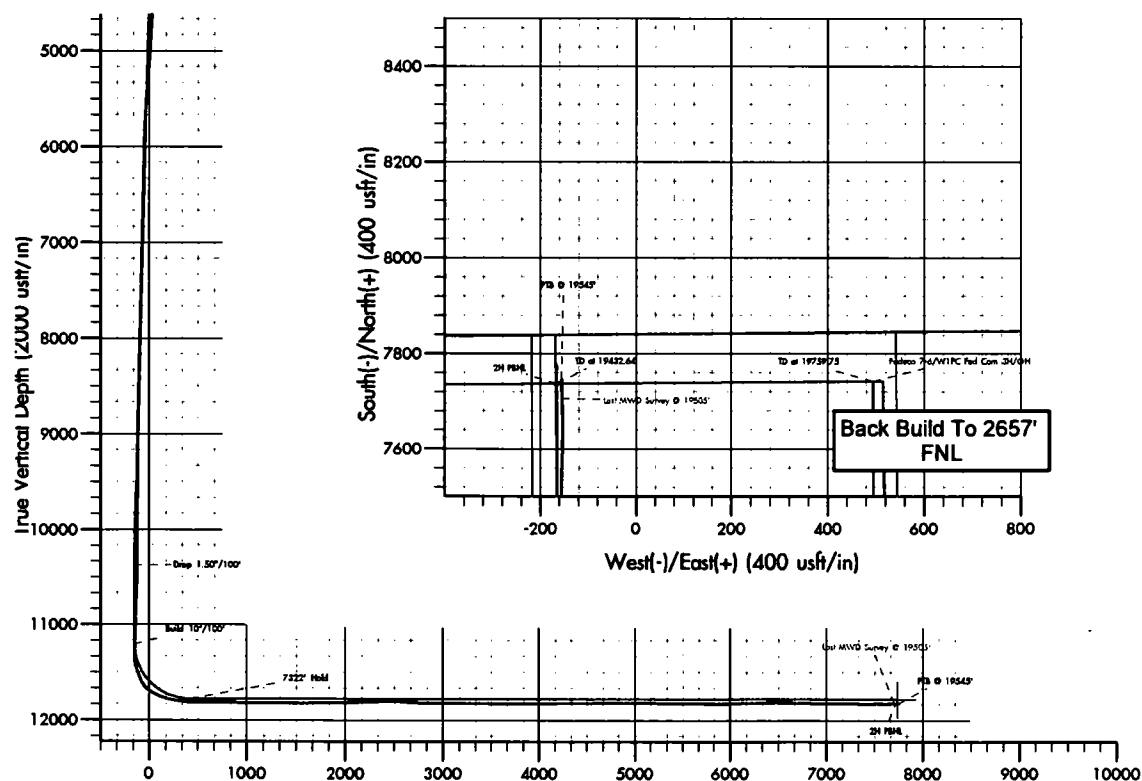
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4275.00	0.00	0.00	4275.00	0.00	0.00	0.00	0.00	0.00	Build 1.50"/100'
4400.84	1.89	218.02	4400.82	-1.63	-1.28	1.50	218.02	-1.61	5977' Hold
10377.45	1.89	218.02	10374.18	-156.73	-122.52	0.00	0.00	-154.07	Drop 1.50"/100'
10503.29	0.00	0.00	10500.00	-158.36	-123.80	1.50	180.00	-155.67	707' Hold
11210.33	0.00	0.00	11207.04	-158.36	-123.80	0.00	0.00	-155.67	Build 10"/100'
12110.33	90.00	359.70	11780.00	414.59	-126.85	10.00	359.70	417.21	7322' Hold
19432.64	90.00	359.70	11780.00	7736.80	-165.80	0.00	0.00	7738.58	TD at 19432.64



Formation Tops

No formation data is available



2H PBHL:
100' FNL & 1650'
FWL

2H SHL
2500' FNL & 1775'
FWL

Plan: Plan #1 (W1FC Fed Com 2H/OH)

