

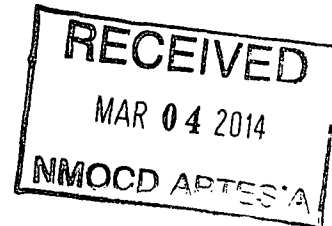
OPERATOR MEWBOURNE OIL COMPANY
WELL/LEASE TWO LAKES 1 XU STATE COM 1H
COUNTY EDDY

046-0091

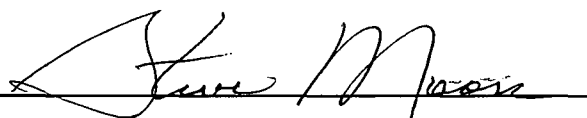
STATE OF NEW MEXICO
DEVIATION REPORT

15-41005

205	0.63
500	0.77
900	0.42
1,334	0.94
1,715	0.64
2,097	0.69
2,510	0.96
2,888	0.60
3,274	0.81
3,654	0.50
4,068	1.23
4,450	0.83
4,863	2.00
5,149	1.64
5,592	1.50



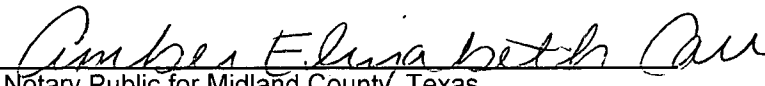
STATE OF TEXAS

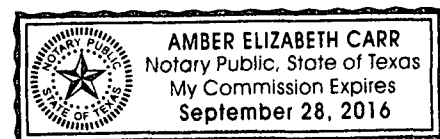
BY: 

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Steve Moore on behalf of Patterson-UTI Drilling Company LLC.

1/15/14, by


Notary Public for Midland County, Texas
My Commission Expires:



RECEIVED

MAR 04 2014

Operating Company Mewbourne
Well Name & Number Two Lakes XU St Com #1H
Sales Ticket Number 6040015
Date 12/25/2013

Company Rep ROD ARTESIA
Field Dave Berryman
BOT Service Rep Joseph Haynes
District Location Odessa, Tx



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse		
Casing	7.000	26.00	110000	6.184	6.151	LTC / 8RD	0.03715	7,050.00	9,960	6,230		
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01492	4,375.37	12,410	10,680		
Bott Liner												
TVD		6642.00		KOP		6181.00		Open Hole		6.125	Casing Vol. (bbl)	253.6
Carry Fluid Weight (ppg)			8.4		Propanant Content (ppa)					Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
Liner Top	1	JR Setting Sleeve_RH Profile	6827.63	4.00						

Zone Length



S3 Hyd Set Packer	6831.63	4.66	5.813	3.875					
4-1/2-13.5 LTC Nipple	6836.29	8.10	4.500	3.920					
7 Joints of 4-1/2-13.5 LTC Casing	6844.39	278.91	4.500	3.920					
3.625 EX Frac Sleeve	7123.30	2.40	5.750		3.525	2286			
2 Joints of 4-1/2-13.5 LTC Casing	7125.70	80.22	4.500	3.920					
Baker Open Hole Packer	7205.92	3.89	5.820	3.875		2154			
2 Joints of 4-1/2-13.5 LTC Casing	7209.81	82.60	4.500	3.920					
3.500 EX Frac Sleeve	7292.41	2.40	5.750		3.400	2286			
3 Joints of 4-1/2-13.5 LTC Casing	7294.81	120.56	4.500	3.920					
Baker Open Hole Packer	7415.37	3.89	5.820	3.875		2154			
3 Joints of 4-1/2-13.5 LTC Casing	7419.26	120.42	4.500	3.920					
3.375 EX Frac Sleeve	7539.68	2.40	5.750		3.275	2286			
3 Joints of 4-1/2-13.5 LTC Casing	7542.08	118.73	4.500	3.920					
Baker Open Hole Packer	7660.81	3.89	5.820	3.875		2154			
3 Joints of 4-1/2-13.5 LTC Casing	7664.70	118.77	4.500	3.920					
3.250 EX Frac Sleeve	7783.47	2.40	5.750		3.150	2286			
3 Joints of 4-1/2-13.5 LTC Casing	7785.87	120.10	4.500	3.920					
Baker Open Hole Packer	7905.97	3.89	5.820	3.875		2154			
3 Joints of 4-1/2-13.5 LTC Casing	7909.86	116.85	4.500	3.920					
3.125 EX Frac Sleeve	8026.71	2.40	5.750		3.025	2286			
2 Joints of 4-1/2-13.5 LTC Casing	8029.11	78.21	4.500	3.920					
Baker Open Hole Packer	8107.32	3.89	5.820	3.875		2154			

Operating Company Mewbourne
Well Name & Number Two Lakes XU St Com #1H
Sales Ticket Number 6040015
Date 12/25/2013

Company Rep Dave Berryman
Field
BOT Service Rep Joseph Haynes
District Location Odessa, Tx



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse		
Casing	7.000	26.00	110000	6.184	6.151	LTC / 8RD	0.03715	7,050.00	9,960	6,230		
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01492	4,375.37	12,410	10,680		
Bott Liner												
TVD		6642.00		KOP		6181.00		Open Hole		6.125	Casing Vol. (bbl)	253.6
Carry Fluid Weight (ppg)			8.4		Propan Content (ppa)				Max Drill Out Size			0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
		2 Joints of 4-1/2-13.5 LTC Casing	8111.21	82.26	4.500	3.920				
		3.000 EX Frac sleeve	8193.47	2.40	5.750		2.900	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	8195.87	117.87	4.500	3.920				
		Baker Open Hole Packer	8313.74	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	8317.63	80.12	4.500	3.920				
		2.875 EX Frac Sleeve	8397.75	2.40	5.750		2.775	2286		
		4 Joints of 4-1/2-13.5 LTC Casing	8400.15	161.26	4.500	3.920				
		Baker Open Hole Packer	8561.41	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	8565.30	119.88	4.500	3.920				
		2.750 EX Frac Sleeve	8685.18	2.40	5.750		2.650	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	8687.58	118.83	4.500	3.920				
		Baker Open Hole Packer	8806.41	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	8810.30	119.05	4.500	3.920				
		2.625 EX Frac Sleeve	8929.35	2.40	5.750		2.525	2286		
		4 Joints of 4-1/2-13.5 LTC Casing	8931.75	157.94	4.500	3.920				
		Baker Open Hole Packer	9089.69	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	9093.58	158.50	4.500	3.920				
		2.500 EX Frac Sleeve	9252.08	2.40	5.750		2.400	2286		
		2 Joints of 4-1/2-13.5 LTC Casing	9254.48	79.39	4.500	3.920				
		Baker Open Hole Packer	9333.87	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	9337.76	79.30	4.500	3.920				
		2.375 EX Frac Sleeve	9417.06	2.40	5.750		2.275	2286		
		2 Joints of 4-1/2-13.5 LTC Casing	9419.46	79.39	4.500	3.920				
		Baker Open Hole Packer	9498.85	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	9502.74	78.72	4.500	3.920				
		2.250 EX Frac Sleeve	9581.46	2.40	5.750		2.150	2286		

Operating Company Mewbourne
 Well Name & Number Two Lakes XU St Com #1H
 Sales Ticket Number 6040015
 Date 12/25/2013

Company Rep Dave Berryman
 Field
 BOT Service Rep Joseph Haynes
 District Location Odessa, Tx



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	110000	6.184	6.151	LTC / 8RD	0.03715	7,050.00	9,960	6,230	
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01492	4,375.37	12,410	10,680	
Bott Liner											
TVD		6642.00		KOP		6181.00		Open Hole	6.125	Casing Vol. (bbl)	253.6
Carry Fluid Weight (ppg)			8.4		Propant Content (ppa)				Max Drill Out Size		0

Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
	2 Joints of 4-1/2-13.5 LTC Casing	9583.86	81.56	4.500	3.920				
	Baker Open Hole Packer	9665.42	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	9669.31	81.26	4.500	3.920				
	2.125 EX Frac Sleeve	9750.57	2.40	5.750		2.025	2286		
	2 Joints of 4-1/2-13.5 LTC Casing	9752.97	79.01	4.500	3.920				
	Baker Open Hole Packer	9831.98	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	9835.87	81.16	4.500	3.920				
	2.000 EX Frac Sleeve	9917.03	2.40	5.750		1.900	2286		
	3 Joints of 4-1/2-13.5 LTC Casing	9919.43	119.31	4.500	3.920				
	Baker Open Hole Packer	10038.74	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	10042.63	80.73	4.500	3.920				
	1.875 EX Frac Sleeve	10123.36	2.40	5.750		1.775	2286		
	3 Joints of 4-1/2-13.5 LTC Casing	10125.76	119.49	4.500	3.920				
	Baker Open Hole Packer	10245.25	3.89	5.820	3.875		2154		
	3 Joints of 4-1/2-13.5 LTC Casing	10249.14	117.57	4.500	3.920				
	1.750 EX Frac Sleeve	10366.71	2.40	5.750		1.650	2286		
	3 Joints of 4-1/2-13.5 LTC Casing	10369.11	118.04	4.500	3.920				
	Baker Open Hole Packer	10487.15	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	10491.04	80.15	4.500	3.920				
	1.625 EX Frac Sleeve	10571.19	2.40	5.750		1.525	2286		
	3 Joints of 4-1/2-13.5 LTC Casing	10573.59	119.86	4.500	3.920				
	Baker Open Hole Packer	10693.45	3.89	5.820	3.875		2154		
	3 Joints of 4-1/2-13.5 LTC Casing	10697.34	119.10	4.500	3.920				
	1.500 DBL Ball Frac Sleeve	10816.44	2.40	5.750		1.400	2286		
	2 Joints of 4-1/2-13.5 LTC Casing	10818.84	80.78	4.500	3.920				
	Baker Open Hole Packer	10899.62	3.89	5.820	3.875		2154		

Company Rep	Dave Berryman
Field	
BOT Service Rep	Joseph Haynes
District Location	Odessa, Tx

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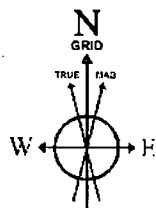
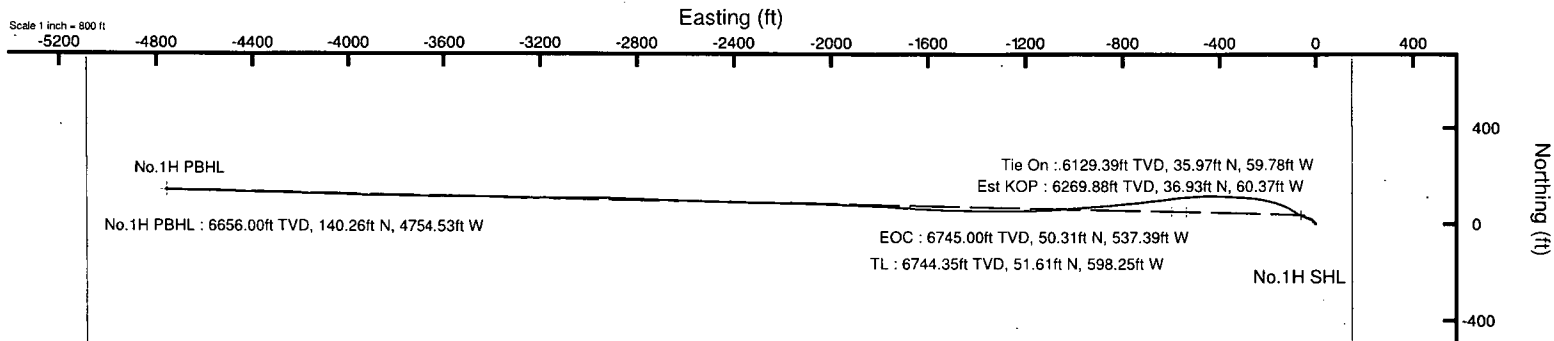


Mewbourne Oil Company

Mewbourne Oil Company

Location: Eddy County, NM
Field: (Two Lakes) Sec 1, T16S, R28E
Facility: Two Lakes 1 XU State Com No.1H

Slot: No.1H SHL
Well: No.1H
Wellbore: No.1H PWB



BGGM (1945.0 to 2015.0) Dip: 60.69° Field: 48724.8 nT
Magnetic North is 7.72 degrees East of True North (at 11/20/2013)
Grid North is 0.12 degrees East of True North
To correct azimuth from True to Grid subtract 0.12 degrees
To correct azimuth from Magnetic to Grid add 7.60 degrees

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	6130.00	0.460	328.390	6129.39	35.97	-59.78	0.00	60.81
Est KOP	6270.50	0.460	328.390	6269.88	36.93	-60.37	0.00	61.43
EOC	7018.02	90.000	271.222	6745.00	50.31	-537.39	12.01	538.64
TL	7078.89	91.218	271.222	6744.35	51.61	-598.25	2.00	599.51
No.1H PBHL	11237.05	91.218	271.222	6656.00	140.26	-4754.53	0.00	4756.60

Plot reference wellpath is Rev-B.0

True vertical depths are referenced to Rig on No.1H SHL (KB)

Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet

Measured depths are referenced to Rig on No.1H SHL (KB)

North Reference: Grid north

Rig on No.1H SHL (KB) to Mean Sea Level: 3616 feet

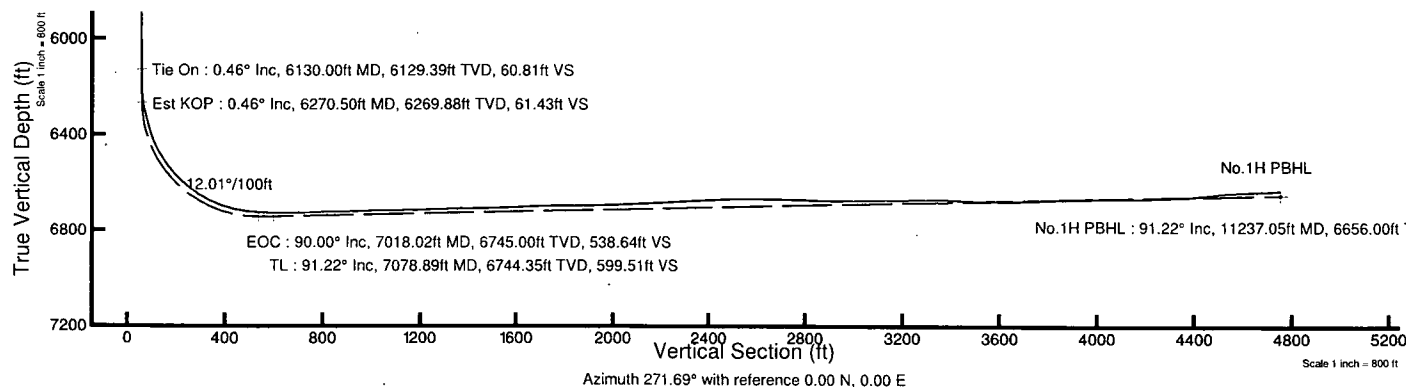
Scale: True distance

Mean Sea Level to Mud line (At Slot: No.1H SHL): -3596 feet

Depths are in feet

Coordinates are in feet referenced to Slot

Created by: gentbry on 12/13/2013



Rev-B.0

Actual Wellpath Report

No.1H AWP

Page 1 of 6



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	(Two Lakes) Sec 1, T16S, R28E	Wellbore	No.1H AWB
Facility	Two Lakes 1 XU State Com No.1H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Gentbry
Scale	0.999914	Report Generated	12/26/2013 at 8:54:17 AM
Convergence at slot	0.12° East	Database/Source file	MidlandDB/No.1H_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	565112.26	708222.49	32°56'48.470"N	104°07'15.890"W
Facility Reference Pt			565112.26	708222.49	32°56'48.470"N	104°07'15.890"W
Field Reference Pt			565112.26	708222.49	32°56'48.470"N	104°07'15.890"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No.1H SHL (KB) to Facility Vertical Datum	20.00ft
Horizontal Reference Pt	Slot	Rig on No.1H SHL (KB) to Mean Sea Level	3616.00ft
Vertical Reference Pt	Rig on No.1H SHL (KB)	Rig on No.1H SHL (KB) to Mud Line at Slot (No.1H SHL)	20.00ft
MD Reference Pt	Rig on No.1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	271.69°

Actual Wellpath Report

No.1H AWP

Page 1 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	(Two Lakes) Sec 1, T16S, R28E	Wellbore	No.1H AWB
Facility	Two Lakes 1 XU State Com No.1H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Gentbry
Scale	0.999914	Report Generated	12/26/2013 at 8:54:17 AM
Convergence at slot	0.12° East	Database/Source file	MidlandDB/No.1H_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	565112.26	708222.49	32°56'48.470"N	104°07'15.890"W
Facility Reference Pt			565112.26	708222.49	32°56'48.470"N	104°07'15.890"W
Field Reference Pt			565112.26	708222.49	32°56'48.470"N	104°07'15.890"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.1H SHL (KB) to Facility Vertical Datum	20.00ft
Horizontal Reference Pt	Slot	Rig on No.1H SHL (KB) to Mean Sea Level	3616.00ft
Vertical Reference Pt	Rig on No.1H SHL (KB)	Rig on No.1H SHL (KB) to Mud Line at Slot (No.1H SHL)	20.00ft
MD Reference Pt	Rig on No.1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	271.69°

Actual Wellpath Report

No.1H AWP

Page 2 of 6

 Mewbourne Oil Company



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	(Two Lakes) Sec 1, T16S, R28E	Wellbore	No.1H AWB
Facility	Two Lakes 1 XU State Com No.1H		

WELLPATH DATA (221 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	164.990	0.00	0.00	0.00	0.00	565112.26	708222.49	32°56'48.470"N	104°07'15.890"W	0.00	
100.00	0.280	164.990	100.00	-0.07	-0.24	0.06	565112.32	708222.25	32°56'48.468"N	104°07'15.889"W	0.28	
200.00	0.200	74.000	200.00	-0.31	-0.42	0.29	565112.55	708222.07	32°56'48.466"N	104°07'15.886"W	0.35	
300.00	0.290	124.460	300.00	-0.69	-0.52	0.67	565112.93	708221.97	32°56'48.465"N	104°07'15.882"W	0.22	
400.00	0.200	30.650	400.00	-0.98	-0.51	0.97	565113.23	708221.98	32°56'48.465"N	104°07'15.878"W	0.36	
500.00	0.120	245.310	500.00	-0.97	-0.41	0.96	565113.22	708222.08	32°56'48.466"N	104°07'15.878"W	0.31	
600.00	0.430	317.150	600.00	-0.62	-0.17	0.61	565112.87	708222.32	32°56'48.468"N	104°07'15.883"W	0.41	
700.00	0.120	285.390	700.00	-0.25	0.13	0.26	565112.52	708222.62	32°56'48.471"N	104°07'15.887"W	0.33	
800.00	0.210	15.560	799.99	-0.19	0.33	0.20	565112.46	708222.82	32°56'48.473"N	104°07'15.887"W	0.24	
900.00	0.160	339.100	899.99	-0.18	0.64	0.20	565112.46	708223.13	32°56'48.476"N	104°07'15.887"W	0.13	
1000.00	0.580	312.510	999.99	0.25	1.11	-0.22	565112.04	708223.60	32°56'48.481"N	104°07'15.892"W	0.44	
1100.00	0.520	298.510	1099.99	1.04	1.67	-0.99	565111.27	708224.16	32°56'48.486"N	104°07'15.901"W	0.15	
1200.00	0.500	307.430	1199.98	1.80	2.15	-1.74	565110.52	708224.64	32°56'48.491"N	104°07'15.910"W	0.08	
1300.00	0.570	319.210	1299.98	2.49	2.79	-2.41	565109.85	708225.28	32°56'48.498"N	104°07'15.918"W	0.13	
1400.00	0.630	322.370	1399.97	3.17	3.61	-3.07	565109.19	708226.10	32°56'48.506"N	104°07'15.926"W	0.07	
1500.00	0.620	315.960	1499.97	3.91	4.43	-3.78	565108.48	708226.92	32°56'48.514"N	104°07'15.934"W	0.07	
1600.00	0.670	319.290	1599.96	4.69	5.26	-4.54	565107.72	708227.75	32°56'48.522"N	104°07'15.943"W	0.06	
1700.00	0.630	317.150	1699.95	5.47	6.11	-5.29	565106.97	708228.60	32°56'48.530"N	104°07'15.952"W	0.05	
1800.00	0.670	322.590	1799.95	6.23	6.98	-6.02	565106.24	708229.47	32°56'48.539"N	104°07'15.960"W	0.07	
1900.00	0.680	320.040	1899.94	6.99	7.90	-6.76	565105.50	708230.39	32°56'48.548"N	104°07'15.969"W	0.03	
2000.00	0.820	317.430	1999.93	7.88	8.88	-7.62	565104.64	708231.37	32°56'48.558"N	104°07'15.979"W	0.14	
2100.00	0.770	325.640	2099.92	8.78	9.96	-8.49	565103.77	708232.45	32°56'48.569"N	104°07'15.989"W	0.12	
2200.00	0.680	314.870	2199.92	9.61	10.93	-9.29	565102.97	708233.42	32°56'48.578"N	104°07'15.998"W	0.16	
2300.00	0.730	311.920	2299.91	10.52	11.78	-10.18	565102.08	708234.27	32°56'48.587"N	104°07'16.009"W	0.06	
2400.00	0.680	310.710	2399.90	11.47	12.59	-11.11	565101.16	708235.08	32°56'48.595"N	104°07'16.020"W	0.05	
2500.00	0.620	295.920	2499.89	12.43	13.21	-12.04	565100.22	708235.70	32°56'48.601"N	104°07'16.031"W	0.18	
2600.00	0.710	307.660	2599.89	13.42	13.83	-13.02	565099.24	708236.32	32°56'48.607"N	104°07'16.042"W	0.16	
2700.00	0.580	303.230	2699.88	14.35	14.48	-13.93	565098.33	708236.97	32°56'48.613"N	104°07'16.053"W	0.14	
2800.00	0.610	317.840	2799.88	15.15	15.16	-14.71	565097.55	708237.64	32°56'48.620"N	104°07'16.062"W	0.15	
2900.00	0.490	317.130	2899.87	15.82	15.86	-15.36	565096.90	708238.35	32°56'48.627"N	104°07'16.070"W	0.12	
3000.00	0.420	327.150	2999.87	16.33	16.49	-15.85	565096.41	708238.97	32°56'48.633"N	104°07'16.075"W	0.11	
3100.00	0.380	333.110	3099.87	16.70	17.09	-16.20	565096.06	708239.58	32°56'48.639"N	104°07'16.079"W	0.06	
3200.00	0.380	335.650	3199.86	17.00	17.69	-16.49	565095.77	708240.18	32°56'48.645"N	104°07'16.083"W	0.02	
3300.00	0.450	318.430	3299.86	17.42	18.28	-16.88	565095.38	708240.77	32°56'48.651"N	104°07'16.087"W	0.14	
3400.00	0.110	320.800	3399.86	17.75	18.65	-17.21	565095.06	708241.14	32°56'48.655"N	104°07'16.091"W	0.34	
3500.00	0.270	262.240	3499.86	18.04	18.69	-17.50	565094.76	708241.18	32°56'48.655"N	104°07'16.095"W	0.23	
3600.00	0.270	261.300	3599.86	18.51	18.63	-17.97	565094.30	708241.11	32°56'48.654"N	104°07'16.100"W	0.00	
3700.00	0.340	288.430	3699.86	19.02	18.68	-18.48	565093.78	708241.17	32°56'48.655"N	104°07'16.106"W	0.16	
3800.00	0.700	286.080	3799.85	19.90	18.95	-19.35	565092.91	708241.44	32°56'48.658"N	104°07'16.116"W	0.36	
3900.00	0.640	287.770	3899.85	21.03	19.29	-20.47	565091.79	708241.78	32°56'48.661"N	104°07'16.129"W	0.06	
4000.00	0.810	299.470	3999.84	22.19	19.81	-21.61	565090.65	708242.29	32°56'48.666"N	104°07'16.143"W	0.22	
4100.00	0.880	296.910	4099.83	23.51	20.50	-22.91	565089.35	708242.99	32°56'48.673"N	104°07'16.158"W	0.08	
4200.00	0.970	294.730	4199.81	24.98	21.20	-24.37	565087.89	708243.69	32°56'48.680"N	104°07'16.175"W	0.10	
4300.00	0.970	295.710	4299.80	26.54	21.92	-25.90	565086.36	708244.41	32°56'48.687"N	104°07'16.193"W	0.02	
4400.00	1.020	304.860	4399.78	28.05	22.80	-27.39	565084.87	708245.29	32°56'48.696"N	104°07'16.211"W	0.17	

Actual Wellpath Report

No.1H AWP

Page 3 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	(Two Lakes) Sec 1, T16S, R28E	Wellbore	No.1H AWB
Facility	Two Lakes 1 XU State Com No.1H		

WELLPATH DATA (221 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4500.00	1.080	285.760	4499.77	29.71	23.56	-29.03	565083.23	708246.05	32°56'48.704"N	104°07'16.230"W	0.35	
4600.00	1.190	292.460	4599.75	31.60	24.22	-30.90	565081.37	708246.70	32°56'48.710"N	104°07'16.252"W	0.17	
4700.00	1.300	285.370	4699.72	33.67	24.91	-32.95	565079.31	708247.40	32°56'48.717"N	104°07'16.276"W	0.19	
4800.00	1.560	282.270	4799.69	36.11	25.50	-35.37	565076.89	708247.99	32°56'48.723"N	104°07'16.304"W	0.27	
4900.00	1.640	292.430	4899.65	38.79	26.34	-38.03	565074.24	708248.83	32°56'48.731"N	104°07'16.335"W	0.29	
5000.00	1.760	284.500	4999.61	41.62	27.27	-40.84	565071.43	708249.76	32°56'48.740"N	104°07'16.368"W	0.26	
5100.00	1.580	287.930	5099.57	44.44	28.08	-43.63	565068.63	708250.57	32°56'48.749"N	104°07'16.401"W	0.21	
5200.00	1.510	290.670	5199.53	47.01	28.97	-46.18	565066.08	708251.46	32°56'48.757"N	104°07'16.431"W	0.10	
5300.00	1.540	288.690	5299.50	49.54	29.86	-48.68	565063.58	708252.35	32°56'48.766"N	104°07'16.460"W	0.06	
5400.00	1.330	288.190	5399.46	51.94	30.66	-51.06	565061.20	708253.14	32°56'48.774"N	104°07'16.488"W	0.21	
5500.00	1.110	305.620	5499.44	53.86	31.58	-52.95	565059.31	708254.07	32°56'48.783"N	104°07'16.510"W	0.43	
5600.00	0.890	303.190	5599.43	55.32	32.57	-54.39	565057.88	708255.06	32°56'48.793"N	104°07'16.527"W	0.22	
5700.00	0.920	287.380	5699.41	56.76	33.24	-55.80	565056.46	708255.72	32°56'48.800"N	104°07'16.544"W	0.25	
5800.00	0.730	309.500	5799.40	58.04	33.88	-57.06	565055.20	708256.37	32°56'48.806"N	104°07'16.558"W	0.37	
5900.00	0.600	296.930	5899.40	59.01	34.52	-58.02	565054.25	708257.01	32°56'48.813"N	104°07'16.570"W	0.19	
6000.00	0.530	306.070	5999.39	59.87	35.03	-58.86	565053.40	708257.52	32°56'48.818"N	104°07'16.580"W	0.11	
6100.00	0.650	319.400	6099.39	60.63	35.74	-59.60	565052.66	708258.22	32°56'48.825"N	104°07'16.588"W	0.18	
6130.00	0.460	328.390	6129.39	60.81	35.97	-59.78	565052.49	708258.46	32°56'48.827"N	104°07'16.590"W	0.69	
6136.00	0.300	325.800	6135.39	60.83	36.00	-59.80	565052.47	708258.49	32°56'48.827"N	104°07'16.591"W	2.68	
6168.00	0.300	286.800	6167.39	60.96	36.10	-59.93	565052.34	708258.58	32°56'48.828"N	104°07'16.592"W	0.63	
6200.00	2.100	262.800	6199.38	61.62	36.05	-60.59	565051.68	708258.53	32°56'48.828"N	104°07'16.600"W	5.72	
6232.00	4.700	285.000	6231.32	63.48	36.31	-62.44	565049.83	708258.80	32°56'48.830"N	104°07'16.622"W	8.96	
6264.00	7.800	288.800	6263.13	66.83	37.35	-65.76	565046.51	708259.84	32°56'48.841"N	104°07'16.660"W	9.77	
6296.00	10.900	297.900	6294.70	71.62	39.47	-70.49	565041.78	708261.95	32°56'48.862"N	104°07'16.716"W	10.70	
6328.00	14.100	300.400	6325.94	77.76	42.86	-76.53	565035.74	708265.34	32°56'48.895"N	104°07'16.787"W	10.14	
6360.00	17.000	300.100	6356.76	85.29	47.18	-83.94	565028.33	708269.66	32°56'48.938"N	104°07'16.874"W	9.07	
6391.00	20.500	303.000	6386.11	93.92	52.41	-92.41	565019.85	708274.89	32°56'48.990"N	104°07'16.973"W	11.68	
6423.00	23.600	300.800	6415.77	104.31	58.74	-102.62	565009.65	708281.23	32°56'49.053"N	104°07'17.092"W	10.02	
6455.00	27.000	297.800	6444.70	116.43	65.41	-114.55	564997.72	708287.89	32°56'49.119"N	104°07'17.232"W	11.35	
6487.00	30.400	294.500	6472.76	130.42	72.16	-128.35	564983.92	708294.64	32°56'49.186"N	104°07'17.394"W	11.72	
6518.00	33.400	290.600	6499.08	145.73	78.42	-143.48	564968.80	708300.90	32°56'49.249"N	104°07'17.571"W	11.74	
6550.00	36.700	288.100	6525.28	163.24	84.49	-160.82	564951.46	708306.97	32°56'49.309"N	104°07'17.775"W	11.24	
6582.00	39.700	285.200	6550.42	182.35	90.14	-179.77	564932.50	708312.62	32°56'49.365"N	104°07'17.997"W	10.92	
6614.00	43.400	282.600	6574.37	203.09	95.22	-200.37	564911.90	708317.70	32°56'49.416"N	104°07'18.239"W	12.75	
6646.00	46.700	280.400	6596.97	225.41	99.72	-222.56	564889.72	708322.20	32°56'49.461"N	104°07'18.499"W	11.40	
6678.00	50.400	277.900	6618.15	249.18	103.52	-246.24	564866.04	708326.00	32°56'49.499"N	104°07'18.777"W	12.96	
6710.00	53.900	275.500	6637.79	274.35	106.45	-271.33	564840.96	708328.93	32°56'49.529"N	104°07'19.071"W	12.44	
6742.00	57.800	273.600	6655.75	300.79	108.54	-297.72	564814.57	708331.02	32°56'49.550"N	104°07'19.381"W	13.14	
6774.00	61.800	272.800	6671.84	328.43	110.08	-325.33	564786.96	708332.56	32°56'49.566"N	104°07'19.705"W	12.69	
6806.00	66.100	273.300	6685.89	357.17	111.61	-354.03	564758.26	708334.09	32°56'49.581"N	104°07'20.041"W	13.51	
6838.00	70.300	272.800	6697.77	386.86	113.19	-383.69	564728.60	708335.67	32°56'49.597"N	104°07'20.389"W	13.20	
6870.00	74.000	271.400	6707.58	417.32	114.31	-414.12	564698.17	708336.79	32°56'49.609"N	104°07'20.746"W	12.29	
6902.00	78.200	270.300	6715.27	448.37	114.76	-445.18	564667.12	708337.24	32°56'49.614"N	104°07'21.111"W	13.54	
6933.00	81.700	268.200	6720.68	478.86	114.36	-475.69	564636.61	708336.84	32°56'49.611"N	104°07'21.469"W	13.11	
6965.00	84.500	265.700	6724.52	510.51	112.67	-507.41	564604.90	708335.15	32°56'49.595"N	104°07'21.841"W	11.69	

Actual Wellpath Report

No.1H AWP

Page 4 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	(Two Lakes) Sec 1, T16S, R28E	Wellbore	No.1H AWB
Facility	Two Lakes 1 XU State Com No.1H		

WELLPATH DATA (221 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7066.00	89.400	262.100	6729.90	610.39	101.95	-607.65	564504.67	708324.43	32°56'49.491"N	104°07'23.018"W	6.02	
7098.00	89.700	263.200	6730.15	641.99	97.86	-639.38	564472.93	708320.34	32°56'49.451"N	104°07'23.390"W	3.56	
7129.00	89.900	263.400	6730.26	672.66	94.24	-670.17	564442.15	708316.72	32°56'49.416"N	104°07'23.751"W	0.91	
7161.00	90.200	263.600	6730.23	704.33	90.62	-701.97	564410.36	708313.10	32°56'49.380"N	104°07'24.125"W	1.13	
7193.00	91.900	264.200	6729.64	736.03	87.22	-733.78	564378.55	708309.70	32°56'49.347"N	104°07'24.498"W	5.63	
7225.00	92.300	264.200	6728.47	767.74	83.99	-765.59	564346.74	708306.47	32°56'49.316"N	104°07'24.871"W	1.25	
7256.00	92.600	264.300	6727.14	798.45	80.88	-796.41	564315.92	708303.36	32°56'49.286"N	104°07'25.233"W	1.02	
7288.00	91.500	264.800	6726.00	830.18	77.84	-828.24	564284.09	708300.33	32°56'49.256"N	104°07'25.607"W	3.78	
7319.00	91.700	264.600	6725.13	860.94	74.98	-859.10	564253.24	708297.47	32°56'49.229"N	104°07'25.969"W	0.91	
7351.00	91.900	264.900	6724.13	892.68	72.06	-890.95	564221.39	708294.54	32°56'49.200"N	104°07'26.343"W	1.13	
7382.00	91.500	265.800	6723.21	923.48	69.54	-921.83	564190.51	708292.03	32°56'49.176"N	104°07'26.705"W	3.18	
7414.00	91.700	265.600	6722.31	955.29	67.15	-953.73	564158.61	708289.63	32°56'49.153"N	104°07'27.079"W	0.88	
7446.00	91.800	265.500	6721.34	987.10	64.66	-985.62	564126.73	708287.15	32°56'49.129"N	104°07'27.454"W	0.44	
7477.00	91.800	265.500	6720.36	1017.90	62.23	-1016.51	564095.84	708284.72	32°56'49.106"N	104°07'27.816"W	0.00	
7509.00	90.700	266.100	6719.67	1049.72	59.89	-1048.41	564063.94	708282.37	32°56'49.083"N	104°07'28.191"W	3.92	
7541.00	90.800	266.300	6719.25	1081.57	57.77	-1080.34	564032.02	708280.25	32°56'49.063"N	104°07'28.565"W	0.70	
7573.00	90.900	267.300	6718.77	1113.45	55.98	-1112.29	564000.07	708278.47	32°56'49.046"N	104°07'28.940"W	3.14	
7604.00	91.200	267.500	6718.20	1144.36	54.58	-1143.25	563969.11	708277.06	32°56'49.032"N	104°07'29.304"W	1.16	
7636.00	91.400	268.700	6717.48	1176.29	53.52	-1175.22	563937.14	708276.00	32°56'49.023"N	104°07'29.679"W	3.80	
7667.00	91.600	268.700	6716.67	1207.24	52.81	-1206.20	563906.16	708275.30	32°56'49.016"N	104°07'30.042"W	0.65	
7699.00	91.700	270.100	6715.74	1239.20	52.48	-1238.19	563874.18	708274.96	32°56'49.014"N	104°07'30.418"W	4.38	
7731.00	91.900	270.000	6714.74	1271.17	52.51	-1270.17	563842.20	708274.99	32°56'49.014"N	104°07'30.793"W	0.70	
7763.00	91.900	269.800	6713.68	1303.13	52.45	-1302.15	563810.22	708274.94	32°56'49.014"N	104°07'31.168"W	0.62	
7794.00	92.000	270.000	6712.62	1334.10	52.40	-1333.14	563779.24	708274.88	32°56'49.015"N	104°07'31.532"W	0.72	
7826.00	91.200	271.200	6711.73	1366.08	52.73	-1365.12	563747.26	708275.22	32°56'49.019"N	104°07'31.907"W	4.51	
7858.00	91.300	270.900	6711.03	1398.07	53.32	-1397.11	563715.27	708275.80	32°56'49.025"N	104°07'32.282"W	0.99	
7890.00	91.300	270.900	6710.31	1430.06	53.82	-1429.10	563683.29	708276.31	32°56'49.031"N	104°07'32.658"W	0.00	
7921.00	91.300	270.900	6709.60	1461.05	54.31	-1460.08	563652.30	708276.79	32°56'49.036"N	104°07'33.021"W	0.00	
7953.00	91.300	272.100	6708.88	1493.04	55.14	-1492.06	563620.33	708277.63	32°56'49.045"N	104°07'33.397"W	3.75	
7985.00	91.400	271.900	6708.12	1525.03	56.26	-1524.04	563588.36	708278.75	32°56'49.057"N	104°07'33.772"W	0.70	
8016.00	91.800	272.100	6707.26	1556.02	57.34	-1555.00	563557.39	708279.83	32°56'49.068"N	104°07'34.135"W	1.44	
8048.00	92.400	272.400	6706.08	1588.00	58.60	-1586.96	563525.44	708281.08	32°56'49.081"N	104°07'34.510"W	2.10	
8080.00	93.100	273.400	6704.55	1619.95	60.21	-1618.88	563493.52	708282.70	32°56'49.097"N	104°07'34.885"W	3.81	
8112.00	93.000	273.200	6702.85	1651.89	62.05	-1650.78	563461.62	708284.54	32°56'49.116"N	104°07'35.259"W	0.70	
8143.00	92.800	273.300	6701.28	1682.84	63.81	-1681.69	563430.72	708286.29	32°56'49.134"N	104°07'35.622"W	0.72	
8175.00	91.000	273.100	6700.22	1714.81	65.59	-1713.62	563398.79	708288.08	32°56'49.153"N	104°07'35.996"W	5.66	
8207.00	90.700	273.100	6699.74	1746.80	67.33	-1745.57	563366.84	708289.81	32°56'49.170"N	104°07'36.371"W	0.94	
8239.00	90.500	272.900	6699.41	1778.79	69.00	-1777.53	563334.89	708291.48	32°56'49.187"N	104°07'36.746"W	0.88	
8271.00	90.400	272.800	6699.16	1810.78	70.59	-1809.49	563302.93	708293.07	32°56'49.204"N	104°07'37.121"W	0.44	
8302.00	90.400	272.600	6698.94	1841.78	72.05	-1840.45	563271.97	708294.53	32°56'49.219"N	104°07'37.484"W	0.65	
8334.00	91.500	272.600	6698.41	1873.77	73.50	-1872.41	563240.01	708295.99	32°56'49.234"N	104°07'37.859"W	3.44	
8366.00	91.500	272.300	6697.57	1905.75	74.87	-1904.37	563208.05	708297.35	32°56'49.248"N	104°07'38.234"W	0.94	
8397.00	91.300	272.300	6696.81	1936.74	76.11	-1935.34	563177.09	708298.60	32°56'49.261"N	104°07'38.598"W	0.65	
8429.00	91.400	272.400	6696.06	1968.73	77.43	-1967.30	563145.13	708299.91	32°56'49.275"N	104°07'38.973"W	0.44	
8461.00	91.500	272.200	6695.25	2000.72	78.71	-1999.27	563113.17	708301.19	32°56'49.288"N	104°07'39.348"W	0.70	

Actual Wellpath Report

No.1H AWP

Page 5 of 6



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	(Two Lakes) Sec 1, T16S, R28E	Wellbore	No.1H AWB
Facility	Two Lakes 1 XU State Com No.1H		

WELLPATH DATA (221 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude		Longitude		DLS [°/100ft]	Comments
8492.00	92.600	272.000	6694.14	2031.70	79.84	-2030.23	563082.21	708302.33	32°56'49.300"N		104°07'39.711"W		3.61	
8524.00	92.600	271.600	6692.69	2063.67	80.85	-2062.18	563050.26	708303.33	32°56'49.310"N		104°07'40.086"W		1.25	
8556.00	92.600	271.600	6691.24	2095.63	81.74	-2094.13	563018.31	708304.22	32°56'49.320"N		104°07'40.461"W		0.00	
8587.00	92.600	271.600	6689.83	2126.60	82.61	-2125.09	562987.36	708305.09	32°56'49.329"N		104°07'40.824"W		0.00	
8619.00	92.600	271.500	6688.38	2158.57	83.47	-2157.04	562955.41	708305.95	32°56'49.338"N		104°07'41.199"W		0.31	
8651.00	92.600	271.500	6686.93	2190.53	84.31	-2189.00	562923.45	708306.79	32°56'49.347"N		104°07'41.574"W		0.00	
8683.00	92.700	271.300	6685.45	2222.50	85.09	-2220.96	562891.50	708307.57	32°56'49.355"N		104°07'41.949"W		0.70	
8714.00	92.700	271.100	6683.99	2253.46	85.74	-2251.91	562860.54	708308.22	32°56'49.362"N		104°07'42.312"W		0.64	
8746.00	92.900	271.200	6682.43	2285.42	86.38	-2283.87	562828.59	708308.86	32°56'49.369"N		104°07'42.687"W		0.70	
8778.00	93.100	271.000	6680.75	2317.38	86.99	-2315.82	562796.64	708309.47	32°56'49.376"N		104°07'43.062"W		0.88	
8809.00	93.000	271.300	6679.10	2348.33	87.61	-2346.77	562765.70	708310.10	32°56'49.383"N		104°07'43.425"W		1.02	
8841.00	92.500	272.000	6677.57	2380.30	88.53	-2378.72	562733.75	708311.02	32°56'49.392"N		104°07'43.800"W		2.69	
8873.00	92.500	272.000	6676.17	2412.27	89.65	-2410.67	562701.80	708312.13	32°56'49.404"N		104°07'44.175"W		0.00	
8904.00	92.600	271.800	6674.79	2443.23	90.68	-2441.62	562670.85	708313.16	32°56'49.415"N		104°07'44.538"W		0.72	
8936.00	92.600	271.600	6673.34	2475.20	91.62	-2473.58	562638.90	708314.11	32°56'49.425"N		104°07'44.913"W		0.62	
8968.00	90.700	271.300	6672.42	2507.19	92.43	-2505.55	562606.93	708314.92	32°56'49.433"N		104°07'45.288"W		6.01	
9000.00	89.400	271.400	6672.39	2539.18	93.19	-2537.54	562574.94	708315.67	32°56'49.441"N		104°07'45.664"W		4.07	
9031.00	89.500	271.600	6672.69	2570.18	94.00	-2568.53	562543.96	708316.48	32°56'49.450"N		104°07'46.027"W		0.72	
9063.00	89.700	271.800	6672.91	2602.18	94.95	-2600.51	562511.98	708317.43	32°56'49.460"N		104°07'46.402"W		0.88	
9095.00	89.600	271.800	6673.11	2634.18	95.95	-2632.50	562479.99	708318.43	32°56'49.471"N		104°07'46.778"W		0.31	
9126.00	89.600	271.900	6673.32	2665.18	96.95	-2663.48	562449.01	708319.44	32°56'49.481"N		104°07'47.141"W		0.32	
9158.00	88.200	272.100	6673.94	2697.17	98.07	-2695.45	562417.04	708320.55	32°56'49.493"N		104°07'47.516"W		4.42	
9189.00	88.300	272.100	6674.88	2728.16	99.21	-2726.42	562386.08	708321.69	32°56'49.505"N		104°07'47.880"W		0.32	
9221.00	88.300	272.100	6675.83	2760.14	100.38	-2758.38	562354.12	708322.86	32°56'49.517"N		104°07'48.255"W		0.00	
9253.00	88.300	272.200	6676.78	2792.13	101.58	-2790.35	562322.16	708324.06	32°56'49.529"N		104°07'48.630"W		0.31	
9284.00	88.200	272.300	6677.73	2823.11	102.79	-2821.31	562291.20	708325.28	32°56'49.542"N		104°07'48.993"W		0.46	
9316.00	88.000	272.200	6678.79	2855.09	104.05	-2853.27	562259.25	708326.53	32°56'49.555"N		104°07'49.368"W		0.70	
9348.00	88.300	272.100	6679.82	2887.08	105.25	-2885.23	562227.29	708327.73	32°56'49.567"N		104°07'49.743"W		0.99	
9380.00	89.700	271.400	6680.38	2919.07	106.23	-2917.21	562195.31	708328.71	32°56'49.578"N		104°07'50.118"W		4.89	
9411.00	89.800	271.100	6680.52	2950.07	106.90	-2948.20	562164.32	708329.38	32°56'49.585"N		104°07'50.482"W		1.02	
9443.00	90.600	270.400	6680.41	2982.06	107.32	-2980.19	562132.33	708329.80	32°56'49.590"N		104°07'50.857"W		3.32	
9474.00	90.900	270.400	6680.00	3013.05	107.54	-3011.19	562101.33	708330.02	32°56'49.592"N		104°07'51.221"W		0.97	
9506.00	90.900	270.400	6679.50	3045.04	107.76	-3043.19	562069.34	708330.24	32°56'49.595"N		104°07'51.597"W		0.00	
9537.00	91.100	270.300	6678.96	3076.03	107.95	-3074.18	562038.35	708330.43	32°56'49.598"N		104°07'51.960"W		0.72	
9569.00	91.000	270.200	6678.37	3108.01	108.09	-3106.18	562006.36	708330.57	32°56'49.600"N		104°07'52.336"W		0.44	
9601.00	90.800	270.000	6677.87	3140.00	108.15	-3138.17	561974.36	708330.63	32°56'49.601"N		104°07'52.711"W		0.88	
9632.00	90.500	270.100	6677.52	3170.98	108.17	-3169.17	561943.37	708330.65	32°56'49.602"N		104°07'53.075"W		1.02	
9664.00	90.500	270.000	6677.24	3202.97	108.20	-3201.17	561911.37	708330.68	32°56'49.603"N		104°07'53.450"W		0.31	
9696.00	89.900	271.300	6677.12	3234.96	108.56	-3233.17	561879.38	708331.05	32°56'49.607"N		104°07'53.826"W		4.47	
9727.00	91.100	271.800	6676.85	3265.96	109.40	-3264.15	561848.40	708331.88	32°56'49.616"N		104°07'54.189"W		4.19	
9759.00	92.200	272.000	6675.93	3297.94	110.46	-3296.12	561816.43	708332.94	32°56'49.627"N		104°07'54.565"W		3.49	
9791.00	91.100	271.400	6675.01	3329.93	111.41	-3328.09	561784.46	708333.89	32°56'49.637"N		104°07'54.940"W		3.92	
9822.00	89.500	270.500	6674.85	3360.93	111.93	-3359.09	561753.47	708334.41	32°56'49.643"N		104°07'55.303"W		5.92	
9854.00	87.700	270.300	6675.63	3392.91	112.15	-3391.08	561721.48	708334.63	32°56'49.645"N		104°07'55.679"W		5.66	
9886.00	87.600	270.400	6676.94	3424.87	112.35	-3423.05	561689.51	708334.83	32°56'49.648"N		104°07'56.054"W		0.44	

Actual Wellpath Report

No.1H AWP

Page 6 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	(Two Lakes) Sec 1, T16S, R28E	Wellbore	No.1H AWB
Facility	Two Lakes 1 XU State Com No.1H		

WELLPATH DATA (221 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
9918.00	87.600	270.400	6678.28	3456.84	112.57	-3455.02	561657.55	708335.05	32°56'49.651"N	104°07'56.429"W	0.00	
9949.00	87.700	270.200	6679.55	3487.80	112.73	-3485.99	561626.57	708335.21	32°56'49.653"N	104°07'56.792"W	0.72	
9981.00	89.400	270.300	6680.36	3519.78	112.87	-3517.98	561594.59	708335.35	32°56'49.655"N	104°07'57.168"W	5.32	
10013.00	89.300	270.400	6680.73	3551.77	113.07	-3549.98	561562.59	708335.55	32°56'49.657"N	104°07'57.543"W	0.44	
10044.00	89.300	270.300	6681.11	3582.76	113.25	-3580.97	561531.60	708335.73	32°56'49.660"N	104°07'57.907"W	0.32	
10076.00	89.300	270.600	6681.50	3614.75	113.51	-3612.97	561499.61	708335.99	32°56'49.663"N	104°07'58.282"W	0.94	
10108.00	90.600	270.900	6681.52	3646.74	113.93	-3644.97	561467.61	708336.40	32°56'49.668"N	104°07'58.658"W	4.17	
10139.00	90.800	270.600	6681.15	3677.74	114.33	-3675.96	561436.62	708336.81	32°56'49.672"N	104°07'59.022"W	1.16	
10171.00	91.300	270.400	6680.56	3709.72	114.61	-3707.96	561404.63	708337.09	32°56'49.676"N	104°07'59.397"W	1.68	
10203.00	92.400	270.600	6679.53	3741.70	114.89	-3739.94	561372.65	708337.37	32°56'49.679"N	104°07'59.772"W	3.49	
10234.00	92.500	270.700	6678.20	3772.67	115.24	-3770.91	561341.68	708337.72	32°56'49.683"N	104°08'00.136"W	0.46	
10266.00	92.800	270.900	6676.72	3804.63	115.69	-3802.87	561309.72	708338.17	32°56'49.688"N	104°08'00.511"W	1.13	
10297.00	92.900	270.700	6675.18	3835.59	116.12	-3833.83	561278.77	708338.60	32°56'49.693"N	104°08'00.874"W	0.72	
10329.00	91.300	271.100	6674.01	3867.56	116.62	-3865.80	561246.80	708339.10	32°56'49.699"N	104°08'01.249"W	5.15	
10361.00	90.000	271.800	6673.64	3899.56	117.43	-3897.79	561214.81	708339.91	32°56'49.707"N	104°08'01.624"W	4.61	
10392.00	90.500	271.900	6673.51	3930.56	118.43	-3928.77	561183.83	708340.91	32°56'49.718"N	104°08'01.988"W	1.64	
10424.00	90.400	271.700	6673.26	3962.56	119.44	-3960.76	561151.85	708341.92	32°56'49.728"N	104°08'02.363"W	0.70	
10455.00	90.200	271.700	6673.10	3993.55	120.36	-3991.74	561120.87	708342.84	32°56'49.738"N	104°08'02.727"W	0.65	
10487.00	90.000	271.500	6673.04	4025.55	121.25	-4023.73	561088.89	708343.73	32°56'49.747"N	104°08'03.102"W	0.88	
10519.00	89.900	271.200	6673.07	4057.55	122.00	-4055.72	561056.90	708344.48	32°56'49.755"N	104°08'03.478"W	0.99	
10550.00	90.900	271.600	6672.85	4088.55	122.76	-4086.71	561025.91	708345.24	32°56'49.763"N	104°08'03.841"W	3.47	
10582.00	90.600	271.800	6672.43	4120.55	123.71	-4118.69	560993.93	708346.19	32°56'49.773"N	104°08'04.216"W	1.13	
10613.00	90.500	271.700	6672.14	4151.55	124.66	-4149.68	560962.95	708347.14	32°56'49.783"N	104°08'04.580"W	0.46	
10645.00	90.700	271.400	6671.80	4183.55	125.52	-4181.66	560930.96	708348.00	32°56'49.792"N	104°08'04.955"W	1.13	
10677.00	92.000	271.400	6671.05	4215.54	126.30	-4213.64	560898.99	708348.78	32°56'49.801"N	104°08'05.331"W	4.06	
10708.00	92.100	271.200	6669.94	4246.52	127.01	-4244.62	560868.02	708349.49	32°56'49.808"N	104°08'05.694"W	0.72	
10740.00	92.100	271.000	6668.76	4278.49	127.62	-4276.59	560836.05	708350.10	32°56'49.815"N	104°08'06.069"W	0.62	
10772.00	92.000	271.200	6667.62	4310.47	128.24	-4308.56	560804.08	708350.71	32°56'49.822"N	104°08'06.444"W	0.70	
10803.00	92.100	271.300	6666.51	4341.45	128.91	-4339.54	560773.11	708351.39	32°56'49.829"N	104°08'06.808"W	0.46	
10835.00	94.100	271.600	6664.78	4373.40	129.72	-4371.48	560741.17	708352.20	32°56'49.838"N	104°08'07.183"W	6.32	
10867.00	95.400	272.000	6662.13	4405.29	130.72	-4403.35	560709.30	708353.20	32°56'49.848"N	104°08'07.557"W	4.25	
10898.00	95.700	271.900	6659.13	4436.14	131.77	-4434.19	560678.46	708354.25	32°56'49.859"N	104°08'07.918"W	1.02	
10930.00	96.000	271.700	6655.87	4467.98	132.77	-4466.00	560646.65	708355.25	32°56'49.869"N	104°08'08.292"W	1.12	
10961.00	96.100	271.400	6652.60	4498.80	133.60	-4496.82	560615.84	708356.08	32°56'49.878"N	104°08'08.653"W	1.01	
10993.00	94.200	271.500	6649.73	4530.67	134.41	-4528.68	560583.98	708356.89	32°56'49.887"N	104°08'09.027"W	5.95	
11024.00	92.600	271.300	6647.89	4561.62	135.17	-4559.61	560553.05	708357.65	32°56'49.895"N	104°08'09.390"W	5.20	
11056.00	92.700	271.100	6646.41	4593.58	135.84	-4591.57	560521.09	708358.31	32°56'49.902"N	104°08'09.765"W	0.70	
11088.00	92.700	270.900	6644.91	4625.54	136.39	-4623.53	560489.13	708358.87	32°56'49.908"N	104°08'10.140"W	0.62	
11119.00	92.900	270.800	6643.39	4656.50	136.85	-4654.49	560458.18	708359.33	32°56'49.913"N	104°08'10.503"W	0.72	
11144.00	93.100	270.800	6642.08	4681.47	137.20	-4679.46	560433.22	708359.68	32°56'49.917"N	104°08'10.796"W	0.80	
11215.00	93.100	270.800	6638.24	4752.35	138.19	-4750.35	560362.33	708360.67	32°56'49.928"N	104°08'11.628"W	0.00	Proj to Bit

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.1H PBHL		6656.00	140.26	-4754.53	560358.15	708362.74	32°56'49.949"N	104°08'11.677"W	point

WELLPATH COMPOSITION - Ref Wellbore: No.1H AWB Ref Wellpath: No.1H AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6130.00	Generic gyro - northseeking (Standard)	VES Gyros <100-6130>	No.1H AWB
6130.00	11144.00	NaviTrak (Standard)	BHI MWD NaviTrak <6136-XXXX>	No.1H AWB
11144.00	11215.00	Blind Drilling (std)	Projection to bit	No.1H AWB