



Mewbourne Oil Company

Location: Eddy County, NM Slot: No. 11NC SHL
Field: (Tamano) Sec 11, T18S, R31E Well: No. 11NC
Facility: Tamano No. 11NC Wellbore: No. 11NC PWB

API: 3001541350

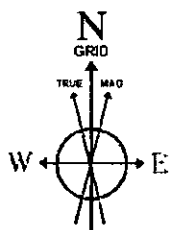
Tamano Bone Spring Pool: 58040

SL: 150 FSL & 2310 FWL

LP: 640 FSL & 2304 FWL

BHL: 330 FNL & 2250 FWL

Sec: 11/18S/31E



BGGM (1945.0 to 2014.0) Dip: 60.55° Field: 48711.3 nT
Magnetic North is 7.65 degrees East of True North (at 3/1/2013)
Grid North is 0.27 degrees East of True North
To correct azimuth from True to Grid subtract 0.27 degrees
To correct azimuth from Magnetic to Grid add 7.38 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.38 = 97.38

Plot reference wellpath is Rev A.0	
True vertical depths are referenced to Rig on No. 11NC SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 11NC SHL (KB)	North Reference: Grid north
Rig on No. 11NC SHL (KB) to Mean Sea Level: 3739 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No. 11NC SHL): 3719 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: hankul on 3/1/2013

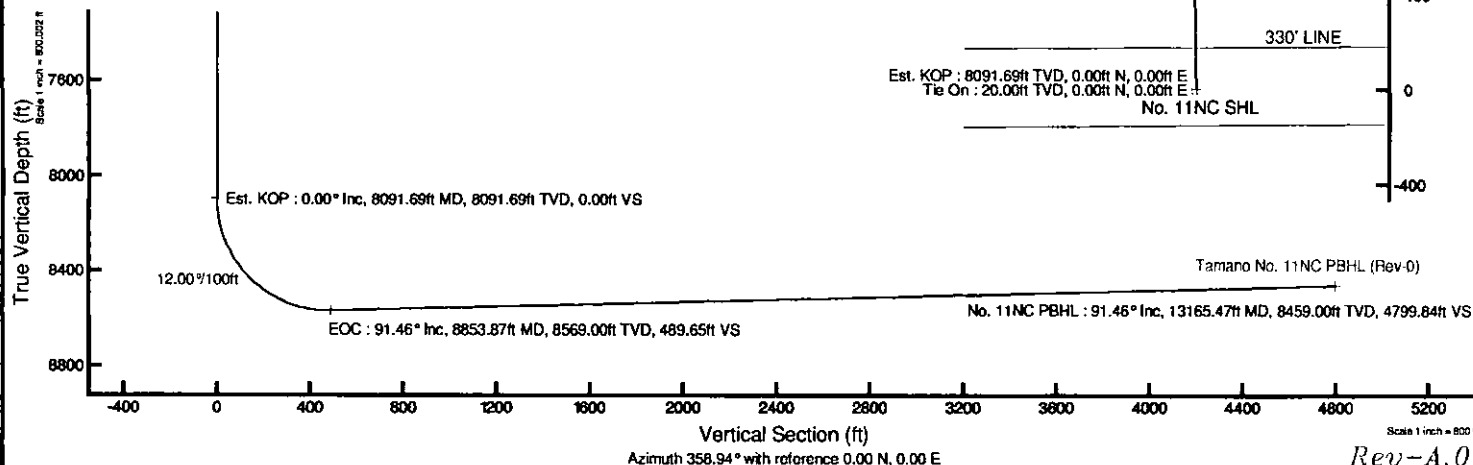
Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	20.00	0.000	358.943	20.00	0.00	0.00	0.00	0.00
Est. KOP	8091.69	0.000	358.943	8091.69	0.00	0.00	0.00	0.00
EOC	8853.87	91.462	358.943	8569.00	489.56	-9.03	12.00	489.65
No. 11NC PBHL	13165.47	91.462	358.943	8459.00	4799.02	-88.51	0.00	4799.84

Oil Conservation Division

Case No. 15052

Exhibit No. 11



Planned Wellpath Report

 Mewbourne Oil Company

Rev-A.0
Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 11NC SHL
Area	Eddy County, NM	Well	No. 11NC
Field	(Tamano) Sec 11, T18S, R31E	Wellbore	No. 11NC PWB
Facility	Tamano No. 11NC		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Harrkol
Scale	0.999935	Report Generated	3/1/2013 at 7:02:58 PM
Convergence at slot	0.27° East	Database/Source file	WA Midland/No. 11NC_PWB.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	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W
Facility Reference Pt			651432.70	638768.50	32°45'18.360"N	103°50'26.720"W
Field Reference Pt			654049.35	643529.06	32°46'05.345"N	103°49'55.816"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 11NC SHL (KB) to Facility Vertical Datum	20.00ft
Horizontal Reference Pt	Slot	Rig on No. 11NC SHL (KB) to Mean Sea Level	3739.00ft
Vertical Reference Pt	Rig on No. 11NC SHL (KB)	Rig on No. 11NC SHL (KB) to Mud Line at Slot (No. 11NC SHL)	20.00ft
MD Reference Pt	Rig on No. 11NC SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	358.94°

Planned Wellpath Report

 Mewbourne Oil Company

Rev-A.0
Page 2 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 11NC SHL
Area	Eddy County, NM	Well	No. 11NC
Field	(Tamano) Sec 11, T18S, R31E	Wellbore	No. 11NC PWB
Facility	Tamano No. 11NC		

WELLPATH DATA (136 stations) † = interpolated/extrapolated station

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	358.943	0.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
20.00	0.000	358.943	20.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	Tie On
120.00†	0.000	358.943	120.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
220.00†	0.000	358.943	220.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
320.00†	0.000	358.943	320.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
420.00†	0.000	358.943	420.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
520.00†	0.000	358.943	520.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
620.00†	0.000	358.943	620.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
720.00†	0.000	358.943	720.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
820.00†	0.000	358.943	820.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
920.00†	0.000	358.943	920.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1020.00†	0.000	358.943	1020.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1120.00†	0.000	358.943	1120.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1220.00†	0.000	358.943	1220.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1320.00†	0.000	358.943	1320.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1420.00†	0.000	358.943	1420.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1520.00†	0.000	358.943	1520.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1620.00†	0.000	358.943	1620.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1720.00†	0.000	358.943	1720.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1820.00†	0.000	358.943	1820.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
1920.00†	0.000	358.943	1920.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2020.00†	0.000	358.943	2020.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2120.00†	0.000	358.943	2120.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2220.00†	0.000	358.943	2220.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2320.00†	0.000	358.943	2320.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2420.00†	0.000	358.943	2420.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2520.00†	0.000	358.943	2520.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2620.00†	0.000	358.943	2620.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2720.00†	0.000	358.943	2720.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
2820.00†	0.000	358.943	2820.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	

Planned Wellpath Report

 Mewbourne Oil Company

Rev-A.0
Page 3 of 7



REFERENCE WELLPATH IDENTIFICATION

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Area	Eddy County, NM	Well	No. 11NC
Field	(Tamano) Sec 11, T18S, R31E	Wellbore	No. 11NC PWB
Facility	Tamano No. 11NC		

WELLPATH DATA (136 stations) † = interpolated/extrapolated station

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
2920.00†	0.000	358.943	2920.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3020.00†	0.000	358.943	3020.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3120.00†	0.000	358.943	3120.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3220.00†	0.000	358.943	3220.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3320.00†	0.000	358.943	3320.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3420.00†	0.000	358.943	3420.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3520.00†	0.000	358.943	3520.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3620.00†	0.000	358.943	3620.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3720.00†	0.000	358.943	3720.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3820.00†	0.000	358.943	3820.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
3920.00†	0.000	358.943	3920.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4020.00†	0.000	358.943	4020.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4120.00†	0.000	358.943	4120.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4220.00†	0.000	358.943	4220.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4320.00†	0.000	358.943	4320.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4420.00†	0.000	358.943	4420.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4520.00†	0.000	358.943	4520.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4620.00†	0.000	358.943	4620.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4720.00†	0.000	358.943	4720.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4820.00†	0.000	358.943	4820.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
4920.00†	0.000	358.943	4920.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5020.00†	0.000	358.943	5020.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5120.00†	0.000	358.943	5120.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5220.00†	0.000	358.943	5220.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5320.00†	0.000	358.943	5320.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5420.00†	0.000	358.943	5420.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5520.00†	0.000	358.943	5520.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5620.00†	0.000	358.943	5620.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5720.00†	0.000	358.943	5720.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
5820.00†	0.000	358.943	5820.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	

Planned Wellpath Report

 Mewbourne Oil Company

Rev-A.0
Page 4 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 11NC SHL
Area	Eddy County, NM	Well	No. 11NC
Field	(Tamano) Sec 11, T18S, R31E	Wellbore	No. 11NC PWB
Facility	Tamano No. 11NC		

WELLPATH DATA (136 stations) † = interpolated/extrapolated station

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
5920.00†	0.000	358.943	5920.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6020.00†	0.000	358.943	6020.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6120.00†	0.000	358.943	6120.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6220.00†	0.000	358.943	6220.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6320.00†	0.000	358.943	6320.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6420.00†	0.000	358.943	6420.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6520.00†	0.000	358.943	6520.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6620.00†	0.000	358.943	6620.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6720.00†	0.000	358.943	6720.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6820.00†	0.000	358.943	6820.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
6920.00†	0.000	358.943	6920.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7020.00†	0.000	358.943	7020.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7120.00†	0.000	358.943	7120.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7220.00†	0.000	358.943	7220.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7320.00†	0.000	358.943	7320.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7420.00†	0.000	358.943	7420.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7520.00†	0.000	358.943	7520.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7620.00†	0.000	358.943	7620.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7720.00†	0.000	358.943	7720.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7820.00†	0.000	358.943	7820.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
7920.00†	0.000	358.943	7920.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
8020.00†	0.000	358.943	8020.00	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	
8091.69	0.000	358.943	8091.69	0.00	0.00	0.00	651432.70	638768.50	32°45'18.360"N	103°50'26.720"W	0.00	ESL KOP
8120.00†	3.397	358.943	8119.98	0.84	0.84	-0.02	651432.68	638769.34	32°45'18.368"N	103°50'26.720"W	12.00	
8220.00†	15.397	358.943	8218.46	17.14	17.13	-0.32	651432.38	638785.63	32°45'18.529"N	103°50'26.723"W	12.00	
8320.00†	27.397	358.943	8311.40	53.55	53.54	-0.99	651431.71	638822.04	32°45'18.890"N	103°50'26.729"W	12.00	
8420.00†	39.397	358.943	8394.73	108.50	108.48	-2.00	651430.70	638876.97	32°45'19.433"N	103°50'26.737"W	12.00	
8520.00†	51.397	358.943	8464.82	179.57	179.54	-3.31	651429.39	638948.02	32°45'20.136"N	103°50'26.749"W	12.00	
8620.00†	63.397	358.943	8518.61	263.65	263.61	-4.86	651427.84	639032.09	32°45'20.968"N	103°50'26.762"W	12.00	
8720.00†	75.397	358.943	8553.73	357.09	357.03	-6.58	651426.12	639125.50	32°45'21.893"N	103°50'26.778"W	12.00	

Planned Wellpath Report

 Mewbourne Oil Company

Rev-A.0
Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 11NC SHL
Area	Eddy County, NM	Well	No. 11NC
Field	(Tamano) Sec 11, T18S, R31E	Wellbore	No. 11NC PWB
Facility	Tamano No. 11NC		

WELLPATH DATA (136 stations) † = interpolated/extrapolated station												
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
8820.00†	87.397	358.943	8568.66	455.78	455.70	-8.40	651424.30	639224.17	32°45'22.869"N	103°50'26.793"W	12.00	
8853.87	91.462	358.943	8569.00	489.65	489.56	-9.03	651423.67	639258.03	32°45'23.204"N	103°50'26.799"W	12.00	EOC
8920.00†	91.462	358.943	8567.31	555.75	555.66	-10.25	651422.45	639324.12	32°45'23.858"N	103°50'26.810"W	0.00	
9020.00†	91.462	358.943	8564.76	655.72	655.61	-12.09	651420.61	639424.06	32°45'24.847"N	103°50'26.826"W	0.00	
9120.00†	91.462	358.943	8562.21	755.69	755.56	-13.93	651418.77	639524.01	32°45'25.836"N	103°50'26.842"W	0.00	
9220.00†	91.462	358.943	8559.66	855.65	855.51	-15.78	651416.92	639623.95	32°45'26.825"N	103°50'26.858"W	0.00	
9320.00†	91.462	358.943	8557.11	955.62	955.46	-17.62	651415.08	639723.90	32°45'27.814"N	103°50'26.874"W	0.00	
9420.00†	91.462	358.943	8554.56	1055.59	1055.41	-19.46	651413.24	639823.84	32°45'28.804"N	103°50'26.890"W	0.00	
9520.00†	91.462	358.943	8552.00	1155.56	1155.36	-21.31	651411.39	639923.78	32°45'29.793"N	103°50'26.906"W	0.00	
9620.00†	91.462	358.943	8549.45	1255.52	1255.31	-23.15	651409.55	640023.73	32°45'30.782"N	103°50'26.923"W	0.00	
9720.00†	91.462	358.943	8546.90	1355.49	1355.26	-24.99	651407.71	640123.67	32°45'31.771"N	103°50'26.939"W	0.00	
9820.00†	91.462	358.943	8544.35	1455.46	1455.21	-26.84	651405.86	640223.61	32°45'32.760"N	103°50'26.955"W	0.00	
9920.00†	91.462	358.943	8541.80	1555.43	1555.16	-28.68	651404.02	640323.56	32°45'33.749"N	103°50'26.971"W	0.00	
10020.00†	91.462	358.943	8539.25	1655.39	1655.11	-30.52	651402.18	640423.50	32°45'34.738"N	103°50'26.987"W	0.00	
10120.00†	91.462	358.943	8536.70	1755.36	1755.06	-32.37	651400.33	640523.45	32°45'35.727"N	103°50'27.003"W	0.00	
10220.00†	91.462	358.943	8534.15	1855.33	1855.01	-34.21	651398.49	640623.39	32°45'36.716"N	103°50'27.019"W	0.00	
10320.00†	91.462	358.943	8531.59	1955.30	1954.96	-36.05	651396.65	640723.33	32°45'37.705"N	103°50'27.036"W	0.00	
10420.00†	91.462	358.943	8529.04	2055.26	2054.91	-37.90	651394.80	640823.28	32°45'38.694"N	103°50'27.052"W	0.00	
10520.00†	91.462	358.943	8526.49	2155.23	2154.86	-39.74	651392.96	640923.22	32°45'39.683"N	103°50'27.068"W	0.00	
10620.00†	91.462	358.943	8523.94	2255.20	2254.82	-41.58	651391.12	641023.16	32°45'40.672"N	103°50'27.084"W	0.00	
10720.00†	91.462	358.943	8521.39	2355.17	2354.77	-43.43	651389.28	641123.11	32°45'41.661"N	103°50'27.100"W	0.00	
10820.00†	91.462	358.943	8518.84	2455.13	2454.72	-45.27	651387.43	641223.05	32°45'42.650"N	103°50'27.116"W	0.00	
10920.00†	91.462	358.943	8516.29	2555.10	2554.67	-47.11	651385.59	641323.00	32°45'43.639"N	103°50'27.132"W	0.00	
11020.00†	91.462	358.943	8513.74	2655.07	2654.62	-48.96	651383.75	641422.94	32°45'44.628"N	103°50'27.149"W	0.00	
11120.00†	91.462	358.943	8511.18	2755.04	2754.57	-50.80	651381.90	641522.88	32°45'45.617"N	103°50'27.165"W	0.00	
11220.00†	91.462	358.943	8508.63	2855.00	2854.52	-52.64	651380.06	641622.83	32°45'46.606"N	103°50'27.181"W	0.00	
11320.00†	91.462	358.943	8506.08	2954.97	2954.47	-54.49	651378.22	641722.77	32°45'47.595"N	103°50'27.197"W	0.00	
11420.00†	91.462	358.943	8503.53	3054.94	3054.42	-56.33	651376.37	641822.72	32°45'48.584"N	103°50'27.213"W	0.00	
11520.00†	91.462	358.943	8500.98	3154.91	3154.37	-58.17	651374.53	641922.66	32°45'49.573"N	103°50'27.229"W	0.00	
11620.00†	91.462	358.943	8498.43	3254.87	3254.32	-60.02	651372.69	642022.60	32°45'50.562"N	103°50'27.245"W	0.00	

Planned Wellpath Report

 Mewbourne Oil Company

Rev-A.0
Page 6 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 11NC SHL
Area	Eddy County, NM	Well	No. 11NC
Field	(Tamano) Sec 11, T18S, R31E	Wellbore	No. 11NC PWB
Facility	Tamano No. 11NC		

WELLPATH DATA (136 stations) † = interpolated/extrapolated station

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
11720.00†	91.462	358.943	8495.88	3354.84	3354.27	-61.86	651370.84	642122.55	32°45'51.552"N	103°50'27.262"W	0.00	
11820.00†	91.462	358.943	8493.33	3454.81	3454.22	-63.70	651369.00	642222.49	32°45'52.541"N	103°50'27.278"W	0.00	
11920.00†	91.462	358.943	8490.77	3554.78	3554.17	-65.55	651367.16	642322.43	32°45'53.530"N	103°50'27.294"W	0.00	
12020.00†	91.462	358.943	8488.22	3654.74	3654.12	-67.39	651365.31	642422.38	32°45'54.519"N	103°50'27.310"W	0.00	
12120.00†	91.462	358.943	8485.67	3754.71	3754.07	-69.23	651363.47	642522.32	32°45'55.508"N	103°50'27.326"W	0.00	
12220.00†	91.462	358.943	8483.12	3854.68	3854.02	-71.08	651361.63	642622.27	32°45'56.497"N	103°50'27.342"W	0.00	
12320.00†	91.462	358.943	8480.57	3954.65	3953.97	-72.92	651359.78	642722.21	32°45'57.486"N	103°50'27.358"W	0.00	
12420.00†	91.462	358.943	8478.02	4054.61	4053.92	-74.76	651357.94	642822.15	32°45'58.475"N	103°50'27.375"W	0.00	
12520.00†	91.462	358.943	8475.47	4154.58	4153.87	-76.61	651356.10	642922.10	32°45'59.464"N	103°50'27.391"W	0.00	
12620.00†	91.462	358.943	8472.92	4254.55	4253.82	-78.45	651354.25	643022.04	32°46'00.453"N	103°50'27.407"W	0.00	
12720.00†	91.462	358.943	8470.36	4354.52	4353.77	-80.29	651352.41	643121.98	32°46'01.442"N	103°50'27.423"W	0.00	
12820.00†	91.462	358.943	8467.81	4454.48	4453.73	-82.14	651350.57	643221.93	32°46'02.431"N	103°50'27.439"W	0.00	
12920.00†	91.462	358.943	8465.26	4554.45	4553.68	-83.98	651348.72	643321.87	32°46'03.420"N	103°50'27.455"W	0.00	
13020.00†	91.462	358.943	8462.71	4654.42	4653.63	-85.82	651346.88	643421.82	32°46'04.409"N	103°50'27.471"W	0.00	
13120.00†	91.462	358.943	8460.16	4754.38	4753.58	-87.67	651345.04	643521.76	32°46'05.398"N	103°50'27.488"W	0.00	
13165.47	91.462	358.943	8459.00 ¹	4799.84	4799.02	-88.51	651344.20	643567.20	32°46'05.848"N	103°50'27.495"W	0.00	No. 11NC PBHL

Planned Wellpath Report

 Mewbourne Oil Company

Rev-A.0
Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 11NC SHL
Area	Eddy County, NM	Well	No. 11NC
Field	(Tamano) Sec 11, T18S, R31E	Wellbore	No. 11NC PWB
Facility	Tamano No. 11NC		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) Tamano No. 11NC PBHL (Rev-0)	13165.47	8459.00	4799.02	-88.51	651344.20	643567.20	32°46'05.848"N	103°50'27.495"W	point

SURVEY PROGRAM - Ref Wellbore: No. 11NC PWB Ref Wellpath: Rev-A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	13165.47	NaviTrak (Standard)		No. 11NC PWB