

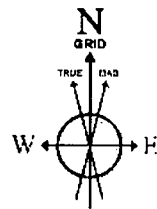
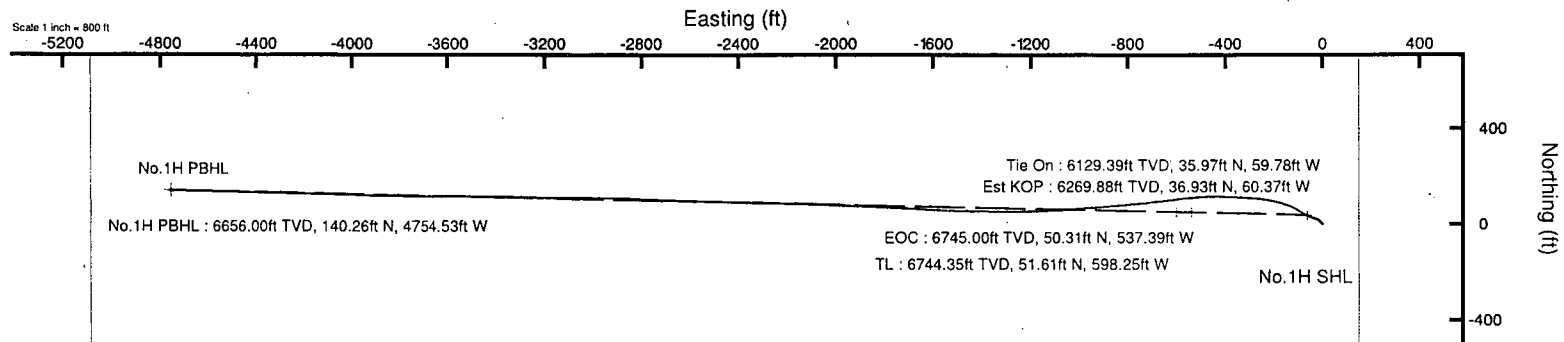


Mewbourne Oil Company

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



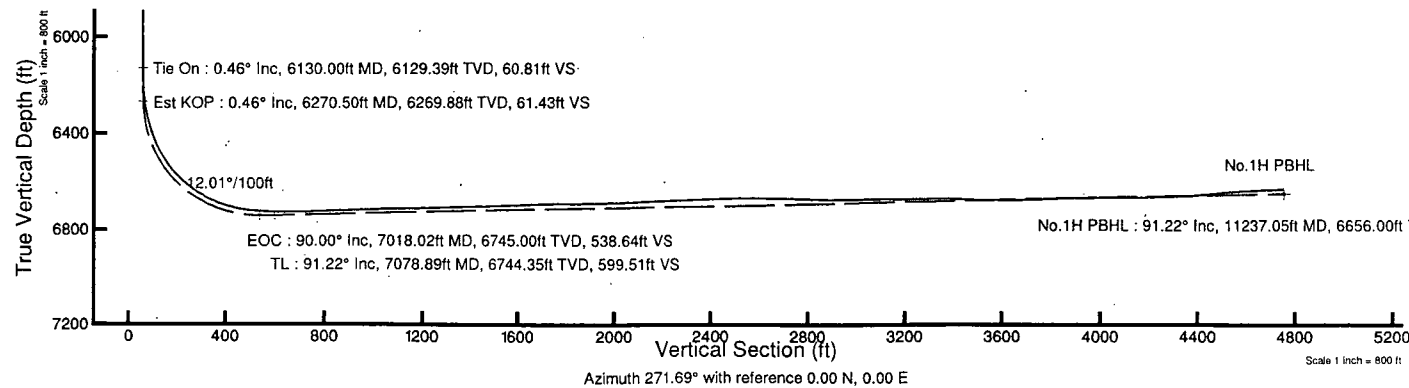
BGGM (1945.0 to 2015.0) Dip: 60.69° Field: 48724.8 nT
Magnetic North is 7.72 degrees East of True North (at 11/20/2013)
Grid North is 0.12 degrees East of True North
To correct azimuth from True to Grid subtract 0.12 degrees
To correct azimuth from Magnetic to Grid add 7.60 degrees

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

15-41005

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

 Mewbourne Oil Company

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



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



**BAKER
HUGHES**

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
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	