



Weatherford[®]

Drilling Services

Final Survey Report



ROONEY 2925 #3-24H

FORD COUNTY, KS

WELL FILE: 4028894

JUNE 11, 2013

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5D Survey Report**Sandridge Energy**

Field Name: *Sandridge Energy - Ford Co., KS S NAD 27 US FT*
Site Name: *Rooney Pad*
Well Name: *Rooney 2925 #3-24H*
Survey: *Definitive Survey*

11 June 2013





Rooney 2925 #3-24H

Field Name	Map Units : US ft Vertical Reference Datum (VRD) : Mean Sea Level Projected Coordinate System : NAD27 / Kansas South Comment : Sandridge Energy - Ford Co., KS S NAD 27 US FT	Company Name : Sandridge Energy
Site Name	Units : US ft North Reference : Grid Convergence Angle : -0.93 Position Northing : 310427.29 US ft Latitude : 37° 30' 34.03" Easting : 1561370.27 US ft Longitude : -100° 0' 44.01" Elevation above Mean Sea Level: 2615.00 US ft Comment : Rooney Pad	
Slot Name	Position (Offsets relative to Site Centre) +N / -S : -0.00 US ft Northing : 310427.29 US ft Latitude : 37°30'34.03" +E / -W : 0.00 US ft Easting : 1561370.27 US ft Longitude : -100°0'44.01" Slot TVD Reference : Ground Elevation Elevation above Mean Sea Level : 2615.00 US ft Comment : Rooney 2925 #3-24H	
Well Name	Type : Main well Rig Height Well TVD Reference : 11.00 US ft Relative to Mean Sea Level: 2626.00 US ft Closure Distance : 1004.69 US ft Vertical Section (Position of Origin Relative to Slot) +N / -S : 0.00 US ft	UWI : Comment : Closure Azimuth : 178.907° +E / -W : 0.00 US ft Az : 181.22°

Target Set

Name : Rooney 2925 #3-24H

Number of Targets : 1

5D Survey Report

Target Set

Comment :

TargetName:	Position (Relative to Slot centre)		
PBHL	+N / -S : -1000.29US ft	Northing : 309427.00 US ft	Latitude : 37°30'24.14"
Shape:	+E / -W : -21.27 US ft	Easting : 1561349.00US ft	Longitude : -100°0'44.07"
Cuboid	TVD (Well TVD Reference) : 5386.76 US ft		
Orientation	Azimuth : 0.00°	Inclination : 0.00°	
Dimensions	Length : 20.00 US ft	Breadth : 20.00 US ft	Height : 20.00 US ft

Survey Name :Definitive Survey

Date : 18/Mar/2013

Survey Tool :

Comment :

Company :

Magnetic Model

Model Name: IGRF

Date: 18/Mar/2013

Field Strength: 51869.8 nT

Declination: 5.74°

Dip: 65.32°

Survey Tool Ranges

Name	Start MD (us ft)	End MD (us ft)	Source Survey
NSG Static GMS	0.00	5200.00	Gyro Surveys
MWD	5200.00	6316.00	
MWD	6316.00	6362.00	WFT MWD Surveys

Well path created using minimum curvature

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment	
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	2	
100.00	0.85	134.93	100.00	-0.52	0.53	0.51	0.85		
200.00	0.54	158.18	199.99	-1.49	1.23	1.46	0.41		
300.00	0.67	230.15	299.98	-2.30	0.95	2.28	0.72		
400.00	0.74	256.05	399.98	-2.83	-0.12	2.83	0.32		
500.00	0.77	262.62	499.97	-3.07	-1.42	3.10	0.09		
600.00	0.90	248.68	599.96	-3.44	-2.81	3.50	0.24		
700.00	1.18	271.15	699.94	-3.71	-4.58	3.80	0.49		
800.00	1.27	276.27	799.92	-3.56	-6.71	3.71	0.14		
900.00	1.27	278.60	899.89	-3.28	-8.90	3.47	0.05		

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment
1000.00	1.38	280.46	999.87	-2.89	-11.18	3.13	0.12	
1100.00	1.33	278.83	1099.84	-2.50	-13.52	2.78	0.06	
1200.00	1.18	287.68	1199.82	-2.01	-15.64	2.34	0.24	
1300.00	0.89	297.12	1299.80	-1.34	-17.32	1.71	0.34	
1400.00	0.66	292.03	1399.79	-0.77	-18.54	1.16	0.24	
1500.00	0.65	296.98	1499.78	-0.30	-19.58	0.71	0.06	
1600.00	0.59	291.05	1599.78	0.15	-20.57	0.29	0.09	
1700.00	0.71	293.61	1699.77	0.58	-21.61	-0.12	0.12	
1800.00	0.81	295.33	1799.76	1.13	-22.82	-0.64	0.10	
1900.00	0.73	305.25	1899.75	1.80	-23.98	-1.29	0.16	
2000.00	0.59	314.06	1999.75	2.53	-24.87	-2.00	0.17	
2100.00	0.57	298.16	2099.74	3.12	-25.68	-2.57	0.16	
2200.00	0.66	299.72	2199.74	3.64	-26.62	-3.07	0.09	
2300.00	1.03	313.97	2299.73	4.55	-27.76	-3.96	0.42	
2400.00	1.17	318.13	2399.71	5.93	-29.09	-5.31	0.16	
2500.00	1.16	336.63	2499.69	7.62	-30.18	-6.98	0.37	
2600.00	0.96	335.22	2599.67	9.31	-30.93	-8.65	0.20	
2700.00	0.82	349.27	2699.66	10.78	-31.41	-10.10	0.26	
2800.00	0.77	355.86	2799.65	12.15	-31.59	-11.47	0.10	
2900.00	0.97	2.63	2899.64	13.66	-31.60	-12.99	0.22	
3000.00	1.09	9.69	2999.62	15.45	-31.40	-14.78	0.17	
3100.00	0.89	19.90	3099.61	17.12	-30.98	-16.45	0.27	
3200.00	0.80	23.53	3199.59	18.49	-30.44	-17.83	0.10	
3300.00	0.67	36.83	3299.59	19.59	-29.81	-18.95	0.21	
3400.00	0.66	38.47	3399.58	20.51	-29.10	-19.89	0.02	
3500.00	0.74	34.60	3499.57	21.50	-28.37	-20.89	0.09	
3600.00	0.61	32.38	3599.57	22.48	-27.72	-21.88	0.13	
3700.00	0.56	10.87	3699.56	23.41	-27.35	-22.82	0.22	
3800.00	0.44	352.06	3799.56	24.27	-27.31	-23.68	0.20	
3900.00	0.33	343.44	3899.55	24.92	-27.44	-24.33	0.12	
4000.00	0.37	327.28	3999.55	25.47	-27.70	-24.87	0.11	
4100.00	0.43	334.40	4099.55	26.08	-28.03	-25.48	0.08	
4200.00	0.46	329.17	4199.55	26.76	-28.40	-26.15	0.05	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment
4300.00	0.25	320.16	4299.54	27.28	-28.75	-26.66	0.22	
4400.00	0.12	297.79	4399.54	27.49	-28.98	-26.87	0.15	
4500.00	0.09	297.31	4499.54	27.58	-29.14	-26.95	0.03	
4600.00	0.18	189.31	4599.54	27.46	-29.24	-26.83	0.22	
4700.00	0.32	198.29	4699.54	27.04	-29.35	-26.41	0.14	
4800.00	0.37	187.12	4799.54	26.45	-29.48	-25.82	0.08	
4900.00	0.12	193.65	4899.54	26.03	-29.54	-25.39	0.25	
5000.00	0.09	253.84	4999.54	25.91	-29.64	-25.27	0.11	
5100.00	0.15	245.57	5099.54	25.83	-29.84	-25.19	0.06	
5200.00	0.18	210.31	5199.54	25.64	-30.04	-25.00	0.10	
5310.00	30.89	141.13	5304.28	2.96	-11.97	-2.70	28.02	
5340.00	38.18	150.46	5328.99	-11.13	-2.54	11.19	29.96	
5372.00	45.65	160.00	5352.81	-30.54	6.27	30.40	30.63	
5403.00	57.54	164.60	5372.04	-53.65	13.56	53.35	40.06	
5435.00	68.45	168.54	5386.55	-81.34	20.12	80.90	35.81	
5465.00	76.23	174.09	5395.65	-109.57	24.41	109.03	31.35	
5499.00	85.80	180.72	5400.96	-143.06	25.90	142.48	34.09	
5531.00	89.44	182.91	5402.29	-175.01	24.89	174.44	13.27	
5563.00	89.93	183.61	5402.47	-206.96	23.07	206.42	2.67	
5594.00	89.44	183.02	5402.64	-237.91	21.27	237.40	2.47	
5626.00	90.91	182.48	5402.54	-269.87	19.74	269.39	4.89	
5658.00	93.01	182.12	5401.45	-301.82	18.45	301.36	6.66	
5690.00	94.13	183.86	5399.45	-333.72	16.79	333.28	6.46	
5721.00	94.90	184.04	5397.01	-364.55	14.66	364.15	2.55	
5753.00	95.04	182.81	5394.24	-396.37	12.76	396.01	3.85	
5785.00	94.48	180.87	5391.58	-428.24	11.73	427.89	6.29	
5817.00	93.99	179.49	5389.22	-460.15	11.63	459.80	4.57	
5849.00	93.22	177.62	5387.21	-492.08	12.44	491.70	6.31	
5881.00	91.61	175.35	5385.86	-523.98	14.40	523.56	8.69	
5912.00	90.35	175.93	5385.33	-554.89	16.75	554.41	4.47	
5944.00	88.39	176.90	5385.68	-586.82	18.75	586.29	6.83	
5977.00	87.13	178.64	5386.97	-619.77	20.04	619.20	6.51	
6008.00	87.55	178.64	5388.41	-650.73	20.77	650.14	1.35	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment
6040.00	87.27	179.87	5389.86	-682.69	21.19	682.09	3.94	
6072.00	86.85	181.13	5391.50	-714.65	20.91	714.04	4.15	
6104.00	87.20	181.17	5393.16	-746.60	20.27	746.00	1.10	
6135.00	87.76	180.58	5394.52	-777.57	19.80	776.97	2.62	
6167.00	88.25	180.19	5395.64	-809.54	19.58	808.94	1.96	
6199.00	88.74	180.13	5396.48	-841.53	19.49	840.93	1.54	
6231.00	89.30	179.80	5397.02	-873.53	19.51	872.92	2.03	
6263.00	89.93	179.95	5397.24	-905.53	19.58	904.91	2.02	
6295.00	90.77	180.22	5397.04	-937.53	19.53	936.90	2.76	
6316.00	91.26	180.33	5396.67	-958.52	19.43	957.89	2.39	
6362.00	91.26	180.33	5395.66	-1004.51	19.17	1003.88	0.00	



Rooney 2925 #3-24H

Field Name	Map Units : US ft Vertical Reference Datum (VRD) : Mean Sea Level Projected Coordinate System : NAD27 / Kansas South Comment : Sandridge Energy - Ford Co., KS S NAD 27 US FT	Company Name : Sandridge Energy
Site Name	Units : US ft North Reference : Grid Convergence Angle : -0.93 Position Northing : 310427.29 US ft Easting : 1561370.27 US ft Latitude : 37° 30' 34.03" Longitude : -100° 0' 44.01" Elevation above Mean Sea Level: 2615.00 US ft Comment :	Rooney Pad
Slot Name	Position (Offsets relative to Site Centre) +N / -S : -0.00 US ft Northing : 310427.29 US ft Latitude : 37°30'34.03" +E / -W : 0.00 US ft Easting : 1561370.27 US ft Longitude : -100°0'44.01" Slot TVD Reference : Ground Elevation Elevation above Mean Sea Level : 2615.00 US ft Comment :	
Well Name	Type : Main well Rig Height Well TVD Reference : 11.00 US ft Relative to Mean Sea Level: 2626.00 US ft Closure Distance : 1004.69 US ft Vertical Section (Position of Origin Relative to Slot) +N / -S : 0.00 US ft	UWI : Comment : Closure Azimuth : 178.907° +E / -W : 0.00 US ft Az : 181.22°
Target Set		
Name : Rooney 2925 #3-24H Number of Targets : 1		

5D Survey Report

Target Set

Comment :

TargetName: PBHL	Position (Relative to Slot centre)			
	+N / -S : -1000.29US ft	Northing : 309427.00 US ft	Latitude : 37°30'24.14"	
Shape: Cuboid	+E / -W : -21.27 US ft	Easting : 1561349.00US ft	Longitude : -100°0'44.07"	
	TVD (Well TVD Reference) : 5386.76 US ft			
Orientation	Azimuth : 0.00°	Inclination : 0.00°		
Dimensions	Length : 20.00 US ft	Breadth : 20.00 US ft	Height : 20.00 US ft	

Survey Name :Definitive Survey

Date : 18/Mar/2013

Survey Tool :

Comment :

Company :

Magnetic Model

Model Name: IGRF

Date: 18/Mar/2013

Field Strength: 51869.8 nT

Declination: 5.74°

Dip: 65.32°

Survey Tool Ranges

Name	Start MD (us ft)	End MD (us ft)	Source Survey
NSG Static GMS	0.00	5200.00	Gyro Surveys
MWD	5200.00	6316.00	
MWD	6316.00	6362.00	WFT MWD Surveys

Well path created using minimum curvature

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	Latitude (° ' ")	Longitude (° ' ")
0.00	0.00	0.00	0.00	0.00	0.00	310427.29	1561370.27	37°30'34.03"	-100°0'44.01"
100.00	0.85	134.93	100.00	-0.52	0.53	310426.77	1561370.80	37°30'34.02"	-100°0'44.01"
200.00	0.54	158.18	199.99	-1.49	1.23	310425.80	1561371.50	37°30'34.01"	-100°0'44.00"
300.00	0.67	230.15	299.98	-2.30	0.95	310424.99	1561371.22	37°30'34.01"	-100°0'44.00"
400.00	0.74	256.05	399.98	-2.83	-0.12	310424.46	1561370.15	37°30'34.00"	-100°0'44.01"
500.00	0.77	262.62	499.97	-3.07	-1.42	310424.22	1561368.85	37°30'34.00"	-100°0'44.03"
600.00	0.90	248.68	599.96	-3.44	-2.81	310423.85	1561367.46	37°30'33.99"	-100°0'44.05"
700.00	1.18	271.15	699.94	-3.71	-4.58	310423.58	1561365.69	37°30'33.99"	-100°0'44.07"
800.00	1.27	276.27	799.92	-3.56	-6.71	310423.73	1561363.56	37°30'33.99"	-100°0'44.09"
900.00	1.27	278.60	899.89	-3.28	-8.90	310424.01	1561361.37	37°30'34.00"	-100°0'44.12"

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	Latitude (° ' ")	Longitude (° ' ")
1000.00	1.38	280.46	999.87	-2.89	-11.18	310424.40	1561359.09	37°30'34.00"	-100°0'44.15"
1100.00	1.33	278.83	1099.84	-2.50	-13.52	310424.79	1561356.75	37°30'34.00"	-100°0'44.18"
1200.00	1.18	287.68	1199.82	-2.01	-15.64	310425.28	1561354.63	37°30'34.01"	-100°0'44.21"
1300.00	0.89	297.12	1299.80	-1.34	-17.32	310425.95	1561352.95	37°30'34.01"	-100°0'44.23"
1400.00	0.66	292.03	1399.79	-0.77	-18.54	310426.52	1561351.73	37°30'34.02"	-100°0'44.24"
1500.00	0.65	296.98	1499.78	-0.30	-19.58	310426.99	1561350.69	37°30'34.02"	-100°0'44.26"
1600.00	0.59	291.05	1599.78	0.15	-20.57	310427.44	1561349.70	37°30'34.03"	-100°0'44.27"
1700.00	0.71	293.61	1699.77	0.58	-21.61	310427.87	1561348.66	37°30'34.03"	-100°0'44.28"
1800.00	0.81	295.33	1799.76	1.13	-22.82	310428.42	1561347.45	37°30'34.04"	-100°0'44.30"
1900.00	0.73	305.25	1899.75	1.80	-23.98	310429.09	1561346.29	37°30'34.04"	-100°0'44.31"
2000.00	0.59	314.06	1999.75	2.53	-24.87	310429.82	1561345.40	37°30'34.05"	-100°0'44.32"
2100.00	0.57	298.16	2099.74	3.12	-25.68	310430.41	1561344.59	37°30'34.06"	-100°0'44.33"
2200.00	0.66	299.72	2199.74	3.64	-26.62	310430.93	1561343.65	37°30'34.06"	-100°0'44.34"
2300.00	1.03	313.97	2299.73	4.55	-27.76	310431.84	1561342.51	37°30'34.07"	-100°0'44.36"
2400.00	1.17	318.13	2399.71	5.93	-29.09	310433.22	1561341.18	37°30'34.08"	-100°0'44.37"
2500.00	1.16	336.63	2499.69	7.62	-30.18	310434.91	1561340.09	37°30'34.10"	-100°0'44.39"
2600.00	0.96	335.22	2599.67	9.31	-30.93	310436.60	1561339.34	37°30'34.12"	-100°0'44.40"
2700.00	0.82	349.27	2699.66	10.78	-31.41	310438.07	1561338.86	37°30'34.13"	-100°0'44.40"
2800.00	0.77	355.86	2799.65	12.15	-31.59	310439.44	1561338.68	37°30'34.14"	-100°0'44.41"
2900.00	0.97	2.63	2899.64	13.66	-31.60	310440.95	1561338.67	37°30'34.16"	-100°0'44.41"
3000.00	1.09	9.69	2999.62	15.45	-31.40	310442.74	1561338.87	37°30'34.18"	-100°0'44.41"
3100.00	0.89	19.90	3099.61	17.12	-30.98	310444.41	1561339.29	37°30'34.19"	-100°0'44.40"
3200.00	0.80	23.53	3199.59	18.49	-30.44	310445.78	1561339.83	37°30'34.21"	-100°0'44.39"
3300.00	0.67	36.83	3299.59	19.59	-29.81	310446.88	1561340.46	37°30'34.22"	-100°0'44.39"
3400.00	0.66	38.47	3399.58	20.51	-29.10	310447.80	1561341.17	37°30'34.23"	-100°0'44.38"
3500.00	0.74	34.60	3499.57	21.50	-28.37	310448.79	1561341.90	37°30'34.24"	-100°0'44.37"
3600.00	0.61	32.38	3599.57	22.48	-27.72	310449.77	1561342.55	37°30'34.25"	-100°0'44.36"
3700.00	0.56	10.87	3699.56	23.41	-27.35	310450.70	1561342.92	37°30'34.26"	-100°0'44.36"
3800.00	0.44	352.06	3799.56	24.27	-27.31	310451.56	1561342.96	37°30'34.26"	-100°0'44.36"
3900.00	0.33	343.44	3899.55	24.92	-27.44	310452.21	1561342.83	37°30'34.27"	-100°0'44.36"
4000.00	0.37	327.28	3999.55	25.47	-27.70	310452.76	1561342.57	37°30'34.28"	-100°0'44.36"
4100.00	0.43	334.40	4099.55	26.08	-28.03	310453.37	1561342.24	37°30'34.28"	-100°0'44.37"
4200.00	0.46	329.17	4199.55	26.76	-28.40	310454.05	1561341.87	37°30'34.29"	-100°0'44.37"

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	Latitude (° ' ")	Longitude (° ' ")
4300.00	0.25	320.16	4299.54	27.28	-28.75	310454.57	1561341.52	37°30'34.29"	-100°0'44.37"
4400.00	0.12	297.79	4399.54	27.49	-28.98	310454.78	1561341.29	37°30'34.30"	-100°0'44.38"
4500.00	0.09	297.31	4499.54	27.58	-29.14	310454.87	1561341.13	37°30'34.30"	-100°0'44.38"
4600.00	0.18	189.31	4599.54	27.46	-29.24	310454.75	1561341.03	37°30'34.30"	-100°0'44.38"
4700.00	0.32	198.29	4699.54	27.04	-29.35	310454.33	1561340.92	37°30'34.29"	-100°0'44.38"
4800.00	0.37	187.12	4799.54	26.45	-29.48	310453.74	1561340.79	37°30'34.29"	-100°0'44.38"
4900.00	0.12	193.65	4899.54	26.03	-29.54	310453.32	1561340.73	37°30'34.28"	-100°0'44.38"
5000.00	0.09	253.84	4999.54	25.91	-29.64	310453.20	1561340.63	37°30'34.28"	-100°0'44.39"
5100.00	0.15	245.57	5099.54	25.83	-29.84	310453.12	1561340.43	37°30'34.28"	-100°0'44.39"
5200.00	0.18	210.31	5199.54	25.64	-30.04	310452.93	1561340.23	37°30'34.28"	-100°0'44.39"
5310.00	30.89	141.13	5304.28	2.96	-11.97	310430.25	1561358.30	37°30'34.06"	-100°0'44.16"
5340.00	38.18	150.46	5328.99	-11.13	-2.54	310416.16	1561367.73	37°30'33.92"	-100°0'44.04"
5372.00	45.65	160.00	5352.81	-30.54	6.27	310396.75	1561376.54	37°30'33.73"	-100°0'43.93"
5403.00	57.54	164.60	5372.04	-53.65	13.56	310373.64	1561383.83	37°30'33.50"	-100°0'43.83"
5435.00	68.45	168.54	5386.55	-81.34	20.12	310345.95	1561390.39	37°30'33.23"	-100°0'43.75"
5465.00	76.23	174.09	5395.65	-109.57	24.41	310317.72	1561394.68	37°30'32.95"	-100°0'43.69"
5499.00	85.80	180.72	5400.96	-143.06	25.90	310284.23	1561396.17	37°30'32.62"	-100°0'43.66"
5531.00	89.44	182.91	5402.29	-175.01	24.89	310252.28	1561395.16	37°30'32.30"	-100°0'43.67"
5563.00	89.93	183.61	5402.47	-206.96	23.07	310220.33	1561393.34	37°30'31.99"	-100°0'43.68"
5594.00	89.44	183.02	5402.64	-237.91	21.27	310189.38	1561391.54	37°30'31.68"	-100°0'43.70"
5626.00	90.91	182.48	5402.54	-269.87	19.74	310157.42	1561390.01	37°30'31.36"	-100°0'43.71"
5658.00	93.01	182.12	5401.45	-301.82	18.45	310125.47	1561388.72	37°30'31.05"	-100°0'43.72"
5690.00	94.13	183.86	5399.45	-333.72	16.79	310093.57	1561387.06	37°30'30.73"	-100°0'43.74"
5721.00	94.90	184.04	5397.01	-364.55	14.66	310062.74	1561384.93	37°30'30.43"	-100°0'43.76"
5753.00	95.04	182.81	5394.24	-396.37	12.76	310030.92	1561383.03	37°30'30.11"	-100°0'43.77"
5785.00	94.48	180.87	5391.58	-428.24	11.73	309999.05	1561382.00	37°30'29.80"	-100°0'43.78"
5817.00	93.99	179.49	5389.22	-460.15	11.63	309967.14	1561381.90	37°30'29.48"	-100°0'43.78"
5849.00	93.22	177.62	5387.21	-492.08	12.44	309935.21	1561382.71	37°30'29.17"	-100°0'43.76"
5881.00	91.61	175.35	5385.86	-523.98	14.40	309903.31	1561384.67	37°30'28.85"	-100°0'43.73"
5912.00	90.35	175.93	5385.33	-554.89	16.75	309872.40	1561387.02	37°30'28.55"	-100°0'43.69"
5944.00	88.39	176.90	5385.68	-586.82	18.75	309840.47	1561389.02	37°30'28.23"	-100°0'43.66"
5977.00	87.13	178.64	5386.97	-619.77	20.04	309807.52	1561390.31	37°30'27.91"	-100°0'43.64"
6008.00	87.55	178.64	5388.41	-650.73	20.77	309776.56	1561391.04	37°30'27.60"	-100°0'43.62"

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	Latitude (° ' ")	Longitude (° ' ")
6040.00	87.27	179.87	5389.86	-682.69	21.19	309744.60	1561391.46	37°30'27.28"	-100°0'43.61"
6072.00	86.85	181.13	5391.50	-714.65	20.91	309712.64	1561391.18	37°30'26.97"	-100°0'43.61"
6104.00	87.20	181.17	5393.16	-746.60	20.27	309680.69	1561390.54	37°30'26.65"	-100°0'43.61"
6135.00	87.76	180.58	5394.52	-777.57	19.80	309649.72	1561390.07	37°30'26.35"	-100°0'43.61"
6167.00	88.25	180.19	5395.64	-809.54	19.58	309617.75	1561389.85	37°30'26.03"	-100°0'43.61"
6199.00	88.74	180.13	5396.48	-841.53	19.49	309585.76	1561389.76	37°30'25.71"	-100°0'43.60"
6231.00	89.30	179.80	5397.02	-873.53	19.51	309553.76	1561389.78	37°30'25.40"	-100°0'43.59"
6263.00	89.93	179.95	5397.24	-905.53	19.58	309521.76	1561389.85	37°30'25.08"	-100°0'43.59"
6295.00	90.77	180.22	5397.04	-937.53	19.53	309489.76	1561389.80	37°30'24.76"	-100°0'43.58"
6316.00	91.26	180.33	5396.67	-958.52	19.43	309468.77	1561389.70	37°30'24.56"	-100°0'43.58"
6362.00	91.26	180.33	5395.66	-1004.51	19.17	309422.78	1561389.44	37°30'24.10"	-100°0'43.57"