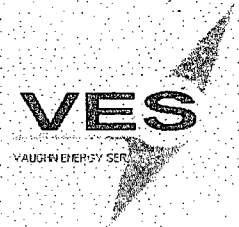


Company: Manzano LLC
Lease/Well: Gay Nineties Federal Com/ No. 001



Rig Name: McVay #6
State/County: New Mexico/Lea
Latitude: 32.61, Longitude: -103.72
GRID North is 0.33 Degrees East of True North
VS-Azi: 0.00 Degrees

RKB : 16 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...federal com #1 gyro survey.ut

Minimum Curvature Method

Report Date/Time: 2/19/2014 / 11:09

Vaughn Energy Services

Gardendale, TX 79758

Dustin Wedel

(432) 563-5444

Gay Nineties Federal Com No. 001 / API 30-025-40827

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.19	8.74	100.00	0.16	0.03	0.16	0.17	8.74	0.19
200.00	0.18	4.33	200.00	0.49	0.06	0.49	0.49	7.30	0.02
300.00	0.21	330.45	300.00	0.81	-0.02	0.81	0.81	358.88	0.12
400.00	0.38	341.20	400.00	1.28	-0.21	1.28	1.30	350.57	0.18
500.00	0.45	306.27	499.99	1.82	-0.63	1.82	1.93	340.83	0.26
600.00	0.75	301.51	599.99	2.40	-1.51	2.40	2.83	327.85	0.31
700.00	0.83	296.00	699.98	3.05	-2.71	3.05	4.08	318.40	0.11
800.00	0.94	281.23	799.97	3.53	-4.16	3.53	5.46	310.30	0.25
900.00	0.91	267.42	899.96	3.65	-5.76	3.65	6.82	302.38	0.22
1000.00	0.98	274.08	999.94	3.68	-7.40	3.68	8.27	296.42	0.13
1100.00	0.86	280.51	1099.93	3.87	-8.99	3.87	9.79	293.32	0.15
1200.00	0.91	268.45	1199.92	3.99	-10.52	3.99	11.26	290.76	0.19
1300.00	0.74	268.02	1299.91	3.95	-11.96	3.95	12.60	288.26	0.17
1400.00	0.81	277.71	1399.90	4.02	-13.31	4.02	13.90	286.80	0.15
1500.00	0.66	279.64	1499.89	4.21	-14.58	4.21	15.18	286.11	0.16
1600.00	0.50	269.95	1599.88	4.31	-15.58	4.31	16.17	285.45	0.18
1700.00	0.53	261.06	1699.88	4.23	-16.48	4.23	17.01	284.41	0.08
1800.00	0.26	255.94	1799.88	4.11	-17.15	4.11	17.64	283.46	0.27

OCT 30 2014



A GYRO TECHNOLOGIES INC. COMPANY

P.O. Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

February 12, 2014

Manzano, LLC
P O Box 2107
Roswell, New Mexico 88202

Attn: Drilling Department

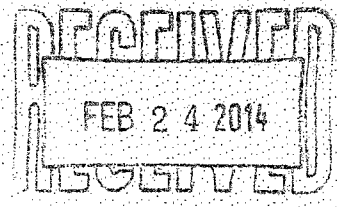
Re: **Gay Nineties Federal Com No. 001**

Please find enclosed a copy of the survey from 0.00' to 9422.00' ran on the above referenced well.

If I can be of any further service please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations

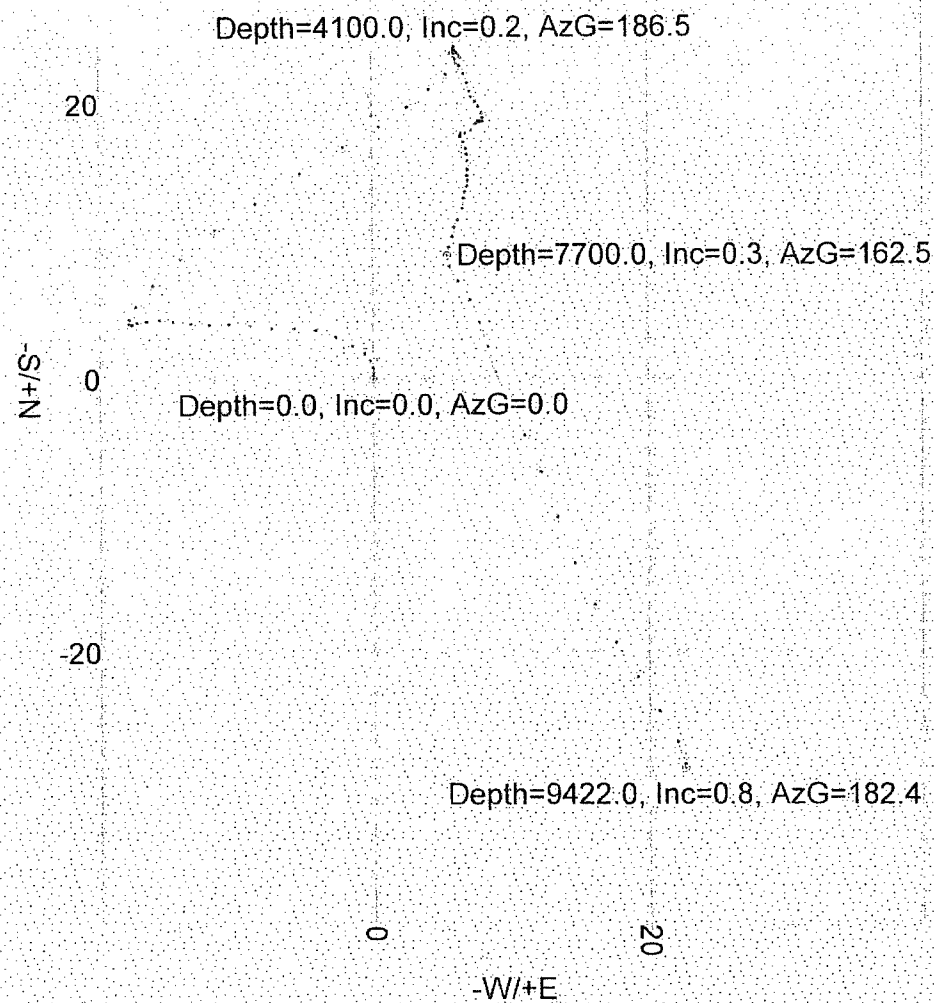
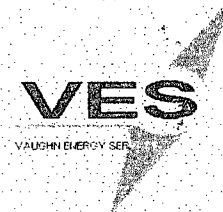


Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.22	247.40	1899.88	3.98	-17.55	3.98	18.00	282.77	0.05
2000.00	0.17	333.15	1999.88	4.03	-17.79	4.03	18.25	282.77	0.27
2100.00	0.26	19.49	2099.88	4.38	-17.78	4.38	18.31	283.84	0.19
2200.00	0.96	31.33	2199.87	5.31	-17.27	5.31	18.07	287.10	0.70
2300.00	1.29	44.75	2299.85	6.83	-16.04	6.83	17.43	293.06	0.42
2400.00	1.89	47.28	2399.81	8.75	-14.04	8.75	16.54	301.93	0.60
2500.00	1.88	54.00	2499.76	10.83	-11.50	10.83	15.80	313.29	0.22
2600.00	2.15	58.78	2599.70	12.77	-8.57	12.77	15.37	326.14	0.32
2700.00	2.35	54.79	2699.62	14.92	-5.29	14.92	15.83	340.48	0.26
2800.00	1.91	63.03	2799.55	16.86	-2.13	16.86	16.99	352.81	0.53
2900.00	1.55	57.71	2899.50	18.34	0.50	18.34	18.35	1.57	0
3000.00	1.29	52.85	2999.47	19.74	2.54	19.74	19.90	7.34	0.29
3100.00	1.11	49.15	3099.45	21.06	4.17	21.06	21.46	11.21	0.19
3200.00	0.76	47.46	3199.44	22.14	5.40	22.14	22.79	13.70	0.36
3300.00	0.49	38.02	3299.43	22.92	6.15	22.92	23.73	15.01	0.28
3400.00	0.09	22.67	3399.43	23.34	6.45	23.34	24.21	15.44	0.40
3500.00	0.15	305.89	3499.43	23.49	6.37	23.49	24.34	15.18	0.16
3600.00	0.18	333.20	3599.43	23.71	6.20	23.71	24.50	14.65	0.09
3700.00	0.13	290.47	3699.43	23.89	6.01	23.89	24.63	14.13	0.12
3800.00	0.17	22.37	3799.43	24.07	5.96	24.07	24.80	13.92	0.22
3900.00	0.05	237.01	3899.43	24.18	5.98	24.18	24.91	13.89	0.22
4000.00	0.19	176.37	3999.43	23.99	5.95	23.99	24.72	13.94	0.17
4100.00	0.17	186.51	4099.43	23.68	5.95	23.68	24.41	14.10	0.04
4200.00	0.37	154.06	4199.43	23.24	6.07	23.24	24.02	14.64	0.24
4300.00	0.32	140.70	4299.42	22.74	6.38	22.74	23.62	15.68	0.09
4400.00	0.40	163.35	4399.42	22.19	6.66	22.19	23.17	16.70	0
4500.00	0.43	156.17	4499.42	21.52	6.91	21.52	22.60	17.80	0.06
4600.00	0.30	172.50	4599.42	20.92	7.10	20.92	22.09	18.74	0.16
4700.00	0.19	156.30	4699.42	20.50	7.20	20.50	21.73	19.34	0.13
4800.00	0.34	132.53	4799.42	20.15	7.48	20.15	21.49	20.37	0.18
4900.00	0.21	172.19	4899.42	19.77	7.72	19.77	21.23	21.33	0.22
5000.00	0.39	146.70	4999.41	19.31	7.93	19.31	20.88	22.32	0.22
5100.00	0.14	229.94	5099.41	18.95	8.02	18.95	20.58	22.93	0.40
5200.00	0.23	147.04	5199.41	18.70	8.03	18.70	20.35	23.25	0.26
5300.00	0.26	313.43	5299.41	18.68	7.98	18.68	20.32	23.13	0.49
5400.00	0.15	177.64	5399.41	18.71	7.82	18.71	20.28	22.69	0.39
5500.00	0.06	356.87	5499.41	18.63	7.82	18.63	20.20	22.78	0.22
5600.00	0.16	291.10	5599.41	18.73	7.69	18.73	20.25	22.31	0.15
5700.00	0.26	186.58	5699.41	18.56	7.53	18.56	20.03	22.08	0.34

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	0.43	226.43	5799.41	18.08	7.23	18.08	19.47	21.80	0.29
5900.00	0.22	284.94	5899.41	17.87	6.77	17.87	19.11	20.76	0.37
6000.00	0.15	248.59	5999.41	17.87	6.47	17.87	19.00	19.90	0.13
6100.00	0.27	163.64	6099.41	17.59	6.41	17.59	18.72	20.03	0.30
6200.00	0.25	134.91	6199.41	17.21	6.64	17.21	18.44	21.09	0.13
6300.00	0.35	172.39	6299.40	16.75	6.83	16.75	18.09	22.20	0.22
6400.00	0.18	168.20	6399.40	16.29	6.91	16.29	17.70	22.97	0.18
6500.00	0.39	176.14	6499.40	15.81	6.96	15.81	17.27	23.76	0.21
6600.00	0.34	193.03	6599.40	15.19	6.92	15.19	16.69	24.49	0.12
6700.00	0.19	158.02	6699.40	14.74	6.91	14.74	16.28	25.12	0.21
6800.00	0.22	188.93	6799.40	14.40	6.95	14.40	15.99	25.75	0.00
6900.00	0.29	184.95	6899.40	13.96	6.90	13.96	15.57	26.29	0.00
7000.00	0.22	222.05	6999.40	13.56	6.74	13.56	15.14	26.44	0.18
7100.00	0.38	171.72	7099.40	13.09	6.66	13.09	14.68	26.97	0.29
7200.00	0.51	194.46	7199.39	12.33	6.60	12.33	13.98	28.15	0.22
7300.00	0.52	216.17	7299.39	11.53	6.22	11.53	13.10	28.34	0.19
7400.00	0.24	179.13	7399.39	10.96	5.95	10.96	12.47	28.52	0.36
7500.00	0.53	193.01	7499.38	10.30	5.85	10.30	11.85	29.62	0.30
7600.00	0.44	211.80	7599.38	9.52	5.55	9.52	11.02	30.23	0.18
7700.00	0.30	162.48	7699.38	8.95	5.43	8.95	10.47	31.22	0.33
7800.00	0.63	167.79	7799.38	8.17	5.62	8.17	9.92	34.52	0.33
7900.00	0.82	137.57	7899.37	7.11	6.22	7.11	9.44	41.16	0.42
8000.00	1.04	156.01	7999.35	5.76	7.07	5.76	9.11	50.84	0.37
8100.00	1.04	160.19	8099.34	4.07	7.74	4.07	8.75	62.25	0.08
8200.00	1.07	162.61	8199.32	2.33	8.33	2.33	8.65	74.38	0.05
8300.00	1.12	162.55	8299.30	0.50	8.90	0.50	8.92	86.76	0.00
8400.00	1.63	153.02	8399.27	-1.69	9.84	-1.69	9.98	99.77	0.55
8500.00	1.49	155.12	8499.24	-4.14	11.03	-4.14	11.78	110.58	0.14
8600.00	1.91	158.17	8599.19	-6.87	12.20	-6.87	14.00	119.38	0.42
8700.00	2.14	161.70	8699.13	-10.18	13.40	-10.18	16.83	127.23	0.27
8800.00	1.96	157.57	8799.07	-13.53	14.64	-13.53	19.94	132.75	0.23
8900.00	1.93	152.56	8899.01	-16.61	16.07	-16.61	23.11	135.95	0.17
9000.00	1.70	148.99	8998.96	-19.37	17.61	-19.37	26.18	137.73	0.26
9100.00	1.68	147.32	9098.92	-21.87	19.16	-21.87	29.08	138.78	0.05
9200.00	1.68	148.45	9198.87	-24.36	20.72	-24.36	31.97	139.61	0.03
9300.00	1.24	151.56	9298.84	-26.56	22.00	-26.56	34.49	140.36	0.44
9400.00	0.75	173.97	9398.82	-28.16	22.59	-28.16	36.10	141.27	0.62
9422.00	0.76	182.42	9420.82	-28.45	22.60	-28.45	36.33	141.54	0.51



Vaughn Energy Services
Gardendale, TX 79758
Dustin Wedel
(432) 563-5444
Gay Nineties Federal Com No. 001 / API 30-025-40827



VES Survey Date: 01/16/2014

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

Well Name and Num: Gay Nineties Com #1H
Location: Sec 36, T19S, R32E
Operator: Manzano
Drilling Contractor: McVay Drilling Company

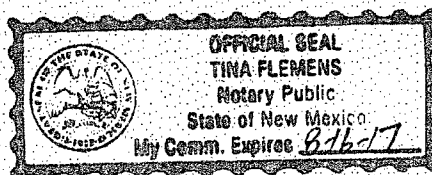
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.46	391	0.72	6812	89.59	12563
1.01	814	0.12	7191	89.65	13136
1.30	1300	0.69	7474	90.21	13615
0.85	1699	1.01	7854	90.63	13999
1.20	2145	1.70	8236	89.58	14571
2.90	2590	2.25	8730	89.60	14854
2.10	2785	2.10	9181	90.10	14951
3.21	2979	0.76	9422	89.40	15710
1.38	3186	18.62	9582	89.90	16210
0.24	3546	33.41	9710		
0.32	3950	64.33	10028		
0.21	4430	84.11	10282		
1.20	4831	90.50	10536		
0.53	5300	89.20	11012		
0.40	5685	87.30	11492		
0.58	6054	90.40	12085		
0.68	6423	90.21	13041		

By: Hector Cruz

Subscribed and sworn to before me this 4th day of February, 2014

Tina Flemens
Notary Public, Lea County, New Mexico





Weatherford

Manzano LLC

Gav Nineties Fed Com #1H

Lea Co, NM

Section 1

Weatherford (Wft) Final Definitive

Plot & Survey

5D Survey Report

Manzano LLC

Field Name: *Lea Co., NM (NAD 83 NME)*

Site Name: *Gay Nineties Fed Com #1H*

Well Name: *Gay Nineties Fed Com #1H*

Survey: *Wft Svy*

28 January 2014



Weatherford

Manzano LLC
Gay Nineties Fed Com #1H
Lea Co, NM

Weatherford

Plan Data for Gay Nineties Fed Com #1H

Plan Point Information:

DogLeg Severity Unit: %/100.00ft Position offsets from Slot centre									
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
10632.00	91.26	179.93	9966.94	-937.31	5.19	586680.00	730648.23	937.33	0.81
10692.61	89.45	179.77	9966.57	-997.92	5.35	586620.29	730640.39	997.93	3.00
16244.03	89.45	179.77	10020.00	-6549.04	27.46	581069.17	730670.50	6549.10	0.00

Plan Data for Gay Nineties Fed Com #1H

Target Set Information:

Name: Gay Nineties Fed Com #1H							
Position offsets from Slot centre							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	Comment
	(USft)	(USft)	(USft)	(USft)	(USft)		
PBHL 10020.00	-6549.04	27.46	581069.17	730670.50		Cuboid	

Plan Data for Gay Nineties Fed Com #1H

Slot: Gay Nineties Fed Com #1H

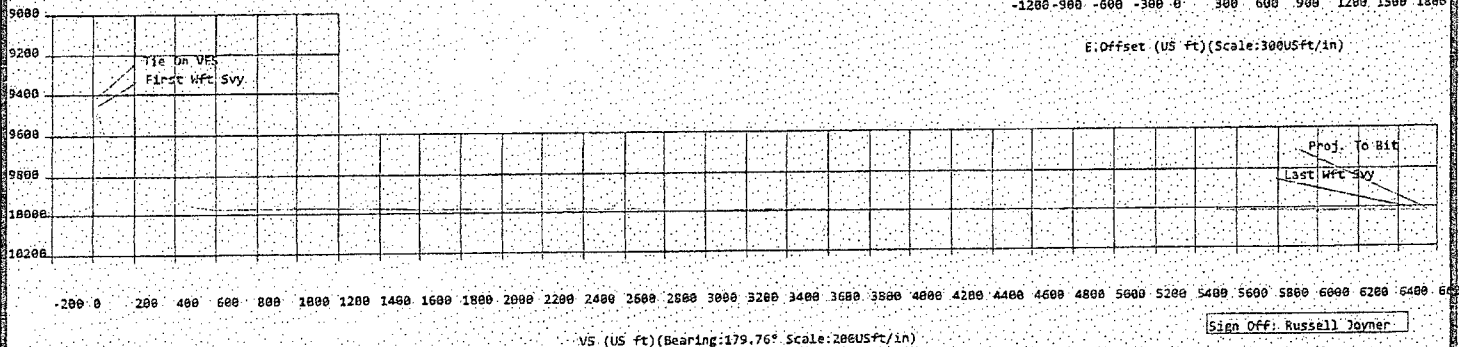
Position:

Offset is from Site centre

+N/-S: 0.00USft	Northing: 587618.21USft	Latitude: 32°36'50.1"
+E/-W: 0.00USft	Easting: 730643.04USft	Longitude: -103°43'0.7"
Elevation Above VRD: 3563.00USft		

Gay Nineties Fed Com #1H
Gay Nineties Fed Com #1H
Gay Nineties Fed Com #1H

K9-3581
GL-3563



Gay Nineties Fed Com #1H

Field Name
 Proj Co: NMI
 (NAD 83 - NME)

Map Units : US ft
 Company Name : Manzano LLC
 Vertical Reference Datum (VRD) : Mean Sea Level
 Projected Coordinate System : NAD83 / New Mexico East (ftUS)
 Comment :

Site Name
 Gay Nineties Fed
 Com #1H

Units : US ft
 North Reference : Grid
 Convergence Angle : 0.33
 Position
 Northing : 587618.21 US ft
 Latitude : 32° 36' 50.07"
 Easting : 730643.04 US ft
 Longitude : -103° 43' 6.67"
 Elevation above Mean Sea Level: 3563.00 US ft
 Comment :

Slot Name
 Gay Nineties Fed
 Com #1H

Position (Offsets relative to Site Centre)
 +N / -S : 0.00 US ft
 Northing : 587618.21 US ft
 Latitude : 32° 36' 50.07"
 +E / -W : 0.00 US ft
 Easting : 730643.04 US ft
 Longitude : -103° 43' 6.67"
 Slot TVD Reference : Ground Elevation
 Elevation above Mean Sea Level : 3563.00 US ft
 Comment :

Well Name
 Gay Nineties Fed
 Com #1H

Type : Main well
 UWI :
 Rig Height
 Drill Floor : 18.00 US ft
 Comment :
 Relative to Mean Sea Level: 3581.00 US ft
 Closure Distance : 6548.35 US ft
 Closure Azimuth : 179.811°
 Vertical Section (Position of Origin Relative to Slot)
 +N / -S : 0.00 US ft
 +E / -W : 0.00 US ft
 Az : 179.76°

Target Set

Name : Gay Nineties Fed
 Number of Targets : 1
 Com: #1H

Comment :

Target Name	Position (Relative to Slot centre)		
PGH1	+N / -S : -6549.04US ft	Northing : 581069.17 US ft	Latitude : 32° 35' 45.27"
Shape	+E / -W : 27.46 US ft	Easting : 730670.50US ft	Longitude : -103° 43' 6.79"
Asymmetry	TVD (Drill Floor) : 10020.00 US ft		
	Orientation Azimuth : 0.00°	Inclination : 0.00°	
	Dimensions Length : 0.00 US ft	Breadth : 0.00 US ft	Height : 0.00 US ft

Survey Name: WMS

Date : 20/Jan/2014
 Survey Tool : MWD
 Comment :
 Company :
 Model Name: BGGM
 Date: 30/Dec/2013
 Field Strength: 48589.4 nT
 Declination: 7.49°
 Dip: 60.45°
 Tie Point
 MD: 9422
 Inclination: 0.76 Azimuth: 182.42
 TVD: 9420.82
 North Offset: -28.45
 East Offset: 22.598

SURVEY POINTS (Relative to SW Corner - FVB Station to SW Corner)										
Station	Easting	Northing	Station	Easting	Northing	Station	Easting	Northing	Station	Easting
9422.00	0.76	182.42	9420.82	-28.45	22.60	28.54	0.00	587589.76	730665.64	Tie On VES
9454.00	2.42	188.99	9452.81	-29.33	22.48	29.42	5.21	587588.88	730665.52	First Wft Svy
9486.00	6.24	181.92	9484.71	-31.74	22.32	31.83	12.03	587586.47	730665.36	
9518.00	11.37	177.25	9516.32	-36.63	22.41	36.72	16.17	587581.58	730665.45	
9550.00	14.70	173.43	9547.50	-43.81	23.03	43.91	10.74	587574.40	730666.07	
9582.00	18.62	173.92	9578.15	-52.93	24.03	53.03	12.26	587565.28	730667.07	
9614.00	23.04	175.28	9608.05	-64.26	25.09	64.36	13.89	587553.95	730668.13	
9646.00	26.71	176.35	9637.07	-77.68	26.07	77.79	11.55	587540.53	730669.11	
9678.00	29.86	176.46	9665.25	-92.81	27.02	92.92	9.85	587525.40	730670.06	
9710.00	33.41	177.54	9692.49	-109.57	27.89	109.69	11.23	587508.64	730670.93	
9741.00	36.38	178.42	9717.91	-127.29	28.51	127.41	9.72	587490.92	730671.55	
9773.00	38.95	179.12	9743.24	-146.84	28.92	146.96	8.14	587471.37	730671.96	
9805.00	40.82	179.68	9767.80	-167.36	29.13	167.48	5.95	587450.85	730672.17	
9836.00	43.34	180.52	9790.80	-188.13	29.09	188.25	8.33	587430.08	730672.13	
9868.00	47.37	181.44	9813.29	-210.89	28.70	211.01	12.76	587407.32	730671.74	
9900.00	51.87	182.37	9834.01	-235.24	27.88	235.36	14.24	587382.97	730670.92	
9932.00	55.18	182.65	9853.03	-260.95	26.75	261.06	10.37	587357.26	730669.79	
9964.00	58.41	182.72	9870.56	-287.69	25.50	287.79	10.10	587330.52	730668.54	
9996.00	61.83	183.51	9886.50	-315.39	23.99	315.49	10.90	587302.82	730667.03	
10028.00	64.33	183.60	9900.98	-343.86	22.22	343.95	7.82	587274.35	730665.26	
10060.00	66.61	183.71	9914.27	-372.92	20.36	373.00	7.13	587245.29	730663.40	
10092.00	69.41	184.05	9926.25	-402.52	18.36	402.59	8.81	587215.69	730661.40	
10123.00	72.69	184.30	9936.31	-431.75	16.22	431.82	10.61	587186.46	730659.26	
10154.00	75.51	183.96	9944.81	-461.49	14.07	461.54	9.16	587156.72	730657.11	
10186.00	78.39	183.95	9952.03	-492.58	11.92	492.63	9.00	587125.63	730654.96	
10218.00	80.80	183.16	9957.81	-523.99	9.97	524.03	7.91	587094.22	730653.01	
10250.00	82.77	182.29	9962.38	-555.63	8.47	555.66	6.72	587062.58	730651.51	
10282.00	84.11	181.56	9966.04	-587.40	7.40	587.43	4.76	587030.81	730650.44	
10313.00	86.71	181.13	9968.52	-618.29	6.68	618.31	8.50	586999.92	730649.72	
10345.00	89.72	180.74	9969.51	-650.27	6.15	650.29	9.48	586967.94	730649.19	
10441.00	90.56	180.23	9969.28	-746.26	5.34	746.28	1.02	586871.95	730648.38	
10536.00	90.49	180.01	9968.41	-841.26	5.14	841.27	0.24	586776.95	730648.18	
10632.00	91.26	179.93	9966.94	-937.24	5.19	937.26	0.81	586680.97	730648.23	
10727.00	90.56	180.17	9965.43	-1032.23	5.11	1032.24	0.78	586585.98	730648.15	
10822.00	88.81	180.34	9965.96	-1127.23	4.69	1127.24	1.85	586490.98	730647.73	
10919.00	88.88	180.10	9967.91	-1224.21	4.31	1224.21	0.26	586394.00	730647.35	
11014.00	89.23	179.67	9969.48	-1319.19	4.51	1319.20	0.58	586299.02	730647.55	
11110.00	89.65	178.80	9970.42	-1415.18	5.79	1415.19	1.01	586203.03	730648.83	
11205.00	86.99	178.79	9973.20	-1510.11	7.78	1510.13	2.80	586108.10	730650.82	
11301.00	85.80	179.04	9979.24	-1605.90	9.60	1605.92	1.27	586012.31	730652.64	
11396.00	85.87	178.77	9986.14	-1700.63	11.41	1700.66	0.29	585917.58	730654.45	
11492.00	87.27	178.95	9991.88	-1796.44	13.32	1796.48	1.47	585821.77	730656.36	
11608.00	89.58	178.79	9995.07	-1912.36	15.60	1912.41	2.00	585705.85	730658.64	
11703.00	89.65	178.46	9995.71	-2007.33	17.88	2007.39	0.36	585610.88	730660.92	
11798.00	90.21	178.39	9995.82	-2102.30	20.49	2102.36	0.59	585515.91	730663.53	
11894.00	90.77	178.09	9995.00	-2198.25	23.44	2198.33	0.66	585419.96	730666.48	
11990.00	90.14	179.46	9994.24	-2294.22	25.49	2294.31	1.57	585323.99	730668.53	
12085.00	90.42	179.53	9993.78	-2389.21	26.33	2389.30	0.30	585229.00	730669.37	
12180.00	90.91	179.48	9992.67	-2484.20	27.15	2484.30	0.52	585134.01	730670.19	
12276.00	90.56	179.38	9991.44	-2580.19	28.11	2580.29	0.38	585038.02	730671.15	
12372.00	89.93	178.70	9991.03	-2676.18	29.71	2676.28	0.97	584942.03	730672.75	
12467.00	89.65	178.22	9991.38	-2771.14	32.27	2771.25	0.58	584847.07	730675.31	
12563.00	89.58	178.00	9992.02	-2867.09	35.43	2867.21	0.24	584751.12	730678.47	
12658.00	90.21	179.07	9992.20	-2962.05	37.86	2962.19	1.31	584656.16	730680.90	
12754.00	89.58	180.62	9992.37	-3058.05	38.12	3058.18	1.74	584560.16	730681.16	
12849.00	90.77	181.83	9992.08	-3153.02	36.09	3153.15	1.79	584465.19	730679.13	
12945.00	90.07	181.22	9991.38	-3248.99	33.54	3249.10	0.97	584369.22	730676.58	
13041.00	90.21	180.62	9991.15	-3344.97	31.99	3345.08	0.64	584273.24	730675.03	

Borehole Log

Depth (ft)	Time (min)	Temperature (°F)	Pressure (psi)	Flow Rate (gpm)	Water Level (ft)	Water Temp (°F)	Water Level (ft)	Water Level (ft)	Water Level (ft)
13136.00	89.65	181.19	9991.26	-3439.96	30.49	3440.06	0.84	584178.25	730673.53
13231.00	88.81	180.47	9992.54	-3534.94	29.12	3535.03	1.16	584083.27	730672.16
13327.00	88.25	179.75	9995.00	-3630.91	28.93	3631.00	0.95	583987.30	730671.97
13423.00	88.60	179.79	9997.64	-3726.87	29.32	3726.96	0.37	583891.34	730672.36
13519.00	90.00	180.54	9998.81	-3822.86	29.04	3822.95	1.65	583795.35	730672.08
13615.00	90.21	180.17	9998.64	-3918.86	28.45	3918.94	0.44	583699.35	730671.49
13711.00	90.91	179.68	9997.70	-4014.85	28.57	4014.94	0.89	583603.36	730671.61
13807.00	90.35	180.01	9996.64	-4110.85	28.83	4110.93	0.68	583507.36	730671.87
13903.00	90.28	180.51	9996.12	-4206.84	28.40	4206.92	0.53	583411.37	730671.44
13999.00	90.63	180.91	9995.35	-4302.83	27.21	4302.91	0.55	583315.38	730670.25
14094.00	89.72	181.03	9995.06	-4397.82	25.60	4397.89	0.97	583220.39	730668.64
14190.00	89.65	180.63	9995.59	-4493.80	24.21	4493.87	0.42	583124.41	730667.25
14286.00	89.58	179.69	9996.24	-4589.80	23.94	4589.86	0.98	583028.41	730666.98
14381.00	89.23	179.13	9997.22	-4684.79	24.92	4684.85	0.70	582933.42	730667.96
14477.00	89.30	178.65	9998.45	-4780.76	26.78	4780.83	0.51	582837.45	730669.82
14571.00	89.58	178.75	9999.37	-4874.74	28.91	4874.81	0.32	582743.47	730671.95
14666.00	89.58	180.33	10000.07	-4969.73	29.67	4969.81	1.66	582648.48	730672.71
14761.00	90.00	181.26	10000.42	-5064.72	28.36	5064.79	1.07	582553.49	730671.40
14856.00	90.35	180.97	10000.13	-5159.70	26.51	5159.76	0.48	582458.51	730669.55
14951.00	90.07	181.30	9999.78	-5254.68	24.63	5254.73	0.46	582363.53	730667.67
15046.00	89.23	181.57	10000.36	-5349.65	22.25	5349.69	0.93	582268.56	730665.29
15141.00	88.95	180.85	10001.87	-5444.61	20.24	5444.65	0.81	582173.60	730663.28
15236.00	88.95	181.02	10003.61	-5539.58	18.69	5539.61	0.18	582078.63	730661.73
15331.00	89.30	181.38	10005.06	-5634.55	16.70	5634.57	0.53	581983.66	730659.74
15425.00	89.30	181.37	10006.21	-5728.52	14.45	5728.53	0.01	581889.69	730657.49
15520.00	89.37	181.03	10007.31	-5823.49	12.46	5823.49	0.37	581794.72	730655.50
15615.00	89.37	180.56	10008.36	-5918.47	11.14	5918.47	0.49	581699.74	730654.18
15710.00	89.44	179.82	10009.34	-6013.47	10.82	6013.46	0.78	581604.74	730653.86
15805.00	89.51	179.13	10010.21	-6108.46	11.69	6108.45	0.73	581509.75	730654.73
15900.00	89.93	179.18	10010.58	-6203.45	13.09	6203.45	0.45	581414.76	730656.13
15995.00	89.65	179.02	10011.03	-6298.43	14.59	6298.44	0.34	581319.78	730657.63
16090.00	89.79	178.57	10011.49	-6393.41	16.58	6393.43	0.50	581224.80	730659.62
16185.00	91.19	177.94	10010.67	-6489.36	19.51	6489.39	1.60	581128.85	730662.55
16245.00	91.19	177.94	10009.44	-6548.31	21.63	6548.34	0.00	581069.90	730664.67

Last Wft Svy
Proj. To Bit