



HOBBS OCD

MAY 29 2019

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Matador Resources

Lea County, New Mexico (NAD 27)

Charles Ling (#2 Pad)

Charles Ling Fed Com #212H

Wellbore #1

30.025-45081

Design: Surveys

Standard Survey Report

30 January, 2019

MS *Directional*



MS Directional Survey Report



Company: Matador Resources
Project: Lea County, New Mexico (NAD 27)
Site: Charles Ling (#2 Pad)
Well: Charles Ling Fed Com #212H
Wellbore: Wellbore #1
Design: Surveys

Local Co-ordinate Reference: Well Charles Ling Fed Com #212H
TVD Reference: WELL @ 3639.50usft (Patterson 282)
MD Reference: WELL @ 3639.50usft (Patterson 282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Conroe DB

Project	Lea County, New Mexico (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Charles Ling (#2 Pad)

Site Position: **From:** Map **Northing:** 451,293.94 usft **Latitude:** 32° 14' 17.754 N
Eastng: 743,744.52 usft **Longitude:** 103° 32' 42.046 W
Position Uncertainty: 0.00 usft **Slot Radius:** 13-3/16 "

Well Charles Ling Fed Com #212H

Well Position **+N/-S** 0.00 usft **Northing:** 451,293.53 usft **Latitude:** 32° 14' 17.755 N
+E/-W 0.00 usft **Eastng:** 743,684.52 usft **Longitude:** 103° 32' 42.744 W
Position Uncertainty 0.00 usft **Wellhead Elevation:** usft **Ground Level:** 3,611.00 usft
Grid Convergence: 0.420 °

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2018	1/1/2019	6.847	60.012	47,827.11

Design Surveys

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.62

Survey Program Date 1/30/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
137.00	17,230.00	MS MWD (Wellbore #1)	MWD	OWSG MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Buid Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.00	0.30	342.30	137.00	0.34	-0.11	-0.34	0.22	0.22	0.00
319.00	0.60	308.20	318.99	1.38	-1.00	-1.39	0.21	0.16	-18.74
505.00	0.90	282.10	504.98	2.29	-3.20	-2.31	0.24	0.16	-14.03
688.00	0.90	265.80	687.96	2.49	-6.04	-2.53	0.14	0.00	-8.91
879.00	0.90	267.00	878.93	2.30	-9.03	-2.36	0.01	0.00	0.63
1,068.00	0.80	245.90	1,067.91	1.68	-11.72	-1.76	0.17	-0.05	-11.16
1,264.00	0.70	255.90	1,263.90	0.83	-14.13	-0.93	0.08	-0.05	5.10
1,350.00	0.60	280.10	1,349.89	0.79	-15.08	-0.89	0.34	-0.12	28.14
1,540.00	0.70	286.40	1,539.88	1.29	-17.17	-1.40	0.06	0.05	3.32



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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,729.00	0.70	294.40	1,728.86	2.09	-19.33	-2.22	0.05	0.00	4.23
1,917.00	0.80	30.90	1,916.85	3.69	-19.70	-3.82	0.60	0.05	51.33
2,105.00	1.30	43.70	2,104.82	6.36	-17.56	-6.48	0.29	0.27	6.81
2,294.00	1.40	51.10	2,293.77	9.36	-14.28	-9.45	0.11	0.05	3.92
2,481.00	0.90	40.70	2,480.73	11.91	-11.54	-11.98	0.29	-0.27	-5.56
2,669.00	0.70	62.40	2,668.71	13.56	-9.56	-13.62	0.19	-0.11	11.54
2,858.00	0.50	57.10	2,857.70	14.54	-7.85	-14.59	0.11	-0.11	-2.80
3,047.00	0.70	59.80	3,046.69	15.57	-6.16	-15.61	0.11	0.11	1.43
3,234.00	0.40	61.10	3,233.68	16.46	-4.60	-16.49	0.16	-0.16	0.70
3,423.00	0.60	40.20	3,422.68	17.53	-3.38	-17.56	0.14	0.11	-11.06
3,613.00	2.60	330.30	3,612.60	22.04	-4.87	-22.07	1.29	1.05	-36.79
3,800.00	4.30	332.80	3,799.26	31.96	-10.18	-32.03	0.91	0.91	1.34
3,987.00	3.70	332.80	3,985.80	43.56	-16.14	-43.67	0.32	-0.32	0.00
4,175.00	3.30	333.10	4,173.45	53.78	-21.36	-53.92	0.21	-0.21	0.16
4,364.00	2.90	334.40	4,362.17	62.94	-25.89	-63.11	0.21	-0.21	0.69
4,552.00	2.40	347.30	4,549.97	71.07	-28.81	-71.26	0.41	-0.27	6.86
4,740.00	3.40	332.20	4,737.73	79.84	-32.28	-80.06	0.67	0.53	-8.03
4,930.00	3.50	324.90	4,927.39	89.57	-38.24	-89.83	0.24	0.05	-3.84
5,118.00	3.40	324.20	5,115.05	98.79	-44.80	-99.09	0.06	-0.05	-0.37
5,181.00	3.30	323.00	5,177.94	101.75	-46.98	-102.06	0.19	-0.16	-1.90
5,300.00	2.90	319.30	5,296.77	106.77	-51.01	-107.11	0.38	-0.34	-3.11
5,488.00	5.40	330.10	5,484.26	118.05	-58.52	-118.43	1.39	1.33	5.74
5,677.00	5.60	323.40	5,672.39	133.16	-68.45	-133.61	0.36	0.11	-3.54
5,865.00	6.00	318.40	5,859.43	147.87	-80.44	-148.40	0.34	0.21	-2.66
6,053.00	4.80	309.70	6,046.60	160.24	-93.02	-160.86	0.77	-0.64	-4.63
6,241.00	4.30	305.50	6,234.00	169.36	-104.81	-170.05	0.32	-0.27	-2.23
6,429.00	4.20	326.60	6,421.50	179.20	-114.34	-179.96	0.83	-0.05	11.22
6,618.00	4.40	329.20	6,609.97	191.21	-121.86	-192.01	0.15	0.11	1.38
6,806.00	4.20	326.50	6,797.44	203.14	-129.35	-204.00	0.15	-0.11	-1.44
6,995.00	3.80	324.20	6,985.98	213.99	-136.84	-214.90	0.23	-0.21	-1.22
7,184.00	3.60	324.00	7,174.58	223.87	-143.99	-224.82	0.11	-0.11	-0.11
7,372.00	3.70	322.70	7,362.20	233.47	-151.13	-234.47	0.07	0.05	-0.69
7,561.00	3.50	321.70	7,550.83	242.85	-158.40	-243.90	0.11	-0.11	-0.53
7,750.00	2.80	329.80	7,739.54	251.37	-164.30	-252.45	0.44	-0.37	4.29
7,939.00	4.00	321.30	7,928.21	260.51	-170.75	-261.63	0.69	0.63	-4.50
8,127.00	3.50	322.90	8,115.80	270.20	-178.31	-271.38	0.27	-0.27	0.85
8,315.00	2.90	322.70	8,303.51	278.56	-184.65	-279.78	0.32	-0.32	-0.11
8,503.00	3.20	343.00	8,491.25	287.36	-189.07	-288.61	0.59	0.16	10.80
8,692.00	2.80	347.90	8,679.99	296.92	-191.58	-298.18	0.25	-0.21	2.59
8,881.00	2.10	359.60	8,868.82	304.90	-192.57	-306.17	0.45	-0.37	6.19
9,070.00	1.30	15.30	9,057.73	310.43	-192.03	-311.69	0.49	-0.42	8.31
9,259.00	0.40	28.80	9,246.71	313.07	-191.14	-314.33	0.48	-0.48	7.14
9,447.00	1.10	39.80	9,434.69	315.03	-189.67	-316.29	0.38	0.37	5.85



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9,635.00	1.00	71.20	9,622.66	316.95	-186.96	-318.18	0.31	-0.05	16.70
9,824.00	2.90	10.40	9,811.56	322.18	-184.54	-323.40	1.36	1.01	-32.17
10,013.00	1.70	23.70	10,000.41	329.45	-182.55	-330.66	0.69	-0.63	7.04
10,201.00	0.60	23.70	10,188.37	332.91	-181.03	-334.10	0.59	-0.59	0.00
10,389.00	1.20	50.30	10,376.34	335.07	-179.12	-336.25	0.38	0.32	14.15
10,576.00	1.70	241.40	10,563.32	334.99	-180.05	-336.18	1.54	0.27	-90.32
10,764.00	1.40	178.00	10,751.26	331.36	-182.42	-332.56	0.88	-0.16	-33.72
10,951.00	1.10	121.80	10,938.22	328.13	-180.81	-329.32	0.65	-0.16	-30.05
11,140.00	1.60	108.30	11,127.17	326.35	-176.77	-327.51	0.31	0.26	-7.14
11,330.00	1.10	4.10	11,317.14	327.33	-174.12	-328.48	1.13	-0.26	-54.84
11,518.00	0.90	50.20	11,505.11	330.08	-172.85	-331.22	0.43	-0.11	24.52
11,639.00	2.00	66.30	11,626.07	331.54	-170.19	-332.66	0.96	0.91	13.31
11,712.00	1.70	82.70	11,699.04	332.19	-167.95	-333.29	0.83	-0.41	22.47
11,807.00	11.20	173.50	11,793.42	323.17	-165.50	-324.26	11.95	10.00	95.58
11,855.00	17.30	172.00	11,839.92	311.46	-163.98	-312.54	12.73	12.71	-3.13
11,901.00	21.00	173.70	11,883.37	296.49	-162.12	-297.56	8.13	8.04	3.70
11,949.00	25.30	178.90	11,927.50	277.67	-160.98	-278.73	9.91	8.96	10.83
11,991.58	28.92	183.21	11,965.40	258.29	-161.38	-259.35	9.66	8.50	10.12
100' HL Intersection - 11991.58' MD									
11,996.00	29.30	183.60	11,969.26	256.14	-161.51	-257.21	9.66	8.65	8.84
12,091.00	33.80	184.80	12,050.20	206.59	-165.18	-207.68	4.78	4.74	1.26
12,185.00	40.40	179.00	12,125.15	149.99	-166.84	-151.10	7.94	7.02	-6.17
12,280.00	46.70	177.00	12,193.97	84.62	-164.49	-85.71	6.79	6.63	-2.11
12,327.00	53.10	180.60	12,224.24	48.71	-163.79	-49.79	14.82	13.62	7.66
12,375.00	58.60	184.80	12,251.18	9.06	-165.71	-10.16	13.55	11.46	8.75
12,469.00	72.20	183.30	12,290.22	-76.00	-171.67	74.86	14.54	14.47	-1.60
12,505.00	77.80	182.20	12,299.53	-110.72	-173.33	109.56	15.83	15.56	-3.06
12,605.00	86.10	181.00	12,313.53	-209.60	-176.09	208.43	8.38	8.30	-1.20
12,699.00	90.40	180.30	12,316.40	-303.53	-177.15	302.35	4.63	4.57	-0.74
12,794.00	91.70	177.70	12,314.66	-398.49	-175.49	397.32	3.06	1.37	-2.74
12,888.00	90.50	178.30	12,312.85	-492.41	-172.21	491.26	1.43	-1.28	0.64
12,982.00	90.00	179.40	12,312.44	-586.39	-170.33	585.25	1.29	-0.53	1.17
13,077.00	91.90	180.20	12,310.87	-681.37	-170.00	680.23	2.17	2.00	0.84
13,171.00	90.30	179.60	12,309.06	-775.35	-169.83	774.21	1.82	-1.70	-0.64
13,265.00	85.10	181.80	12,312.83	-869.23	-170.98	868.08	6.01	-5.53	2.34
13,360.00	86.30	180.40	12,319.96	-963.94	-172.79	962.78	1.94	1.26	-1.47
13,454.00	87.70	180.70	12,324.88	-1,057.81	-173.69	1,056.63	1.52	1.49	0.32
13,548.00	88.90	181.40	12,327.66	-1,151.75	-175.42	1,150.56	1.48	1.28	0.74
13,643.00	89.60	181.20	12,328.91	-1,246.71	-177.57	1,245.51	0.77	0.74	-0.21
13,737.00	90.60	182.10	12,328.74	-1,340.67	-180.28	1,339.45	1.43	1.06	0.96
13,831.00	90.90	181.90	12,327.51	-1,434.61	-183.56	1,433.36	0.38	0.32	-0.21
13,925.00	93.10	183.00	12,324.23	-1,528.46	-187.57	1,527.18	2.62	2.34	1.17
14,019.00	93.20	182.40	12,319.07	-1,622.21	-191.99	1,620.90	0.65	0.11	-0.64



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14,114.00	92.30	183.00	12,314.51	-1,716.99	-196.46	1,715.65	1.14	-0.95	0.63
14,208.00	87.80	183.30	12,314.43	-1,810.83	-201.63	1,809.45	4.80	-4.79	0.32
14,302.00	86.60	180.90	12,319.02	-1,904.64	-205.07	1,903.24	2.85	-1.28	-2.55
14,396.00	84.10	179.00	12,326.64	-1,998.32	-204.99	1,996.92	3.34	-2.66	-2.02
14,490.00	85.30	179.40	12,335.32	-2,091.91	-203.68	2,090.51	1.35	1.28	0.43
14,585.00	84.70	177.30	12,343.60	-2,186.50	-200.96	2,185.12	2.29	-0.63	-2.21
14,679.00	89.00	176.10	12,348.77	-2,280.18	-195.56	2,278.83	4.75	4.57	-1.28
14,773.00	90.80	175.30	12,348.93	-2,373.91	-188.51	2,372.61	2.10	1.91	-0.85
14,867.00	92.70	178.90	12,346.06	-2,467.73	-183.75	2,466.46	4.33	2.02	3.83
14,962.00	92.40	181.70	12,341.83	-2,562.62	-184.25	2,561.35	2.96	-0.32	2.95
15,056.00	91.00	183.30	12,339.04	-2,656.49	-188.35	2,655.18	2.26	-1.49	1.70
15,152.00	87.10	183.10	12,340.64	-2,752.31	-193.71	2,750.96	4.07	-4.06	-0.21
15,246.00	82.90	179.00	12,348.83	-2,845.89	-195.43	2,844.53	6.23	-4.47	-4.36
15,340.00	83.80	176.30	12,359.72	-2,939.17	-191.60	2,937.83	3.01	0.96	-2.87
15,435.00	83.90	177.80	12,369.90	-3,033.50	-186.74	3,032.19	1.57	0.11	1.58
15,529.00	82.90	178.90	12,380.70	-3,126.83	-184.05	3,125.54	1.58	-1.06	1.17
15,623.00	84.10	178.30	12,391.34	-3,220.20	-181.77	3,218.92	1.43	1.28	-0.64
15,717.00	87.40	178.20	12,398.31	-3,313.88	-178.91	3,312.62	3.51	3.51	-0.11
15,812.00	86.90	177.30	12,403.03	-3,408.69	-175.18	3,407.45	1.08	-0.53	-0.95
15,906.00	84.90	177.40	12,409.75	-3,502.34	-170.85	3,501.13	2.13	-2.13	0.11
16,000.00	89.40	180.30	12,414.42	-3,596.17	-168.97	3,594.98	5.69	4.79	3.09
16,094.00	90.20	177.10	12,414.75	-3,690.14	-166.84	3,688.95	3.51	0.85	-3.40
16,189.00	85.20	175.70	12,418.56	-3,784.84	-160.88	3,783.69	5.47	-5.26	-1.47
16,283.00	88.10	175.20	12,424.06	-3,878.37	-153.44	3,877.27	3.13	3.09	-0.53
16,377.00	87.10	177.40	12,427.99	-3,972.09	-147.38	3,971.02	2.57	-1.06	2.34
16,471.00	88.80	176.50	12,431.36	-4,065.89	-142.38	4,064.86	2.05	1.81	-0.96
16,566.00	90.90	175.90	12,431.60	-4,160.68	-136.08	4,159.68	2.30	2.21	-0.63
16,660.00	93.60	179.00	12,427.91	-4,254.49	-131.90	4,253.52	4.37	2.87	3.30
16,754.00	90.40	177.90	12,424.63	-4,348.39	-129.36	4,347.43	3.60	-3.40	-1.17
16,848.00	91.20	176.10	12,423.32	-4,442.24	-124.44	4,441.32	2.10	0.85	-1.91
16,942.00	90.80	177.60	12,421.68	-4,536.08	-119.28	4,535.19	1.65	-0.43	1.60
17,036.00	88.30	176.10	12,422.42	-4,629.93	-114.11	4,629.07	3.10	-2.66	-1.60
17,131.00	85.30	173.70	12,427.72	-4,724.39	-105.69	4,723.58	4.04	-3.16	-2.53
17,167.00	86.40	173.40	12,430.33	-4,760.07	-101.65	4,759.29	3.17	3.06	-0.83
17,230.00	86.40	173.40	12,434.28	-4,822.52	-94.43	4,821.79	0.00	0.00	0.00

Projection to TD-17230.00' MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,991.58	11,965.40	258.29	-161.38	100' HL Intersection - 11991.58' MD
17,230.00	12,434.28	-4,822.52	-94.43	Projection to TD-17230.00' MD



MS Directional
Survey Report



Company: Matador Resources
Project: Lea County, New Mexico (NAD 27)
Site: Charles Ling (#2 Pad)
Well: Charles Ling Fed Com #212H
Wellbore: Wellbore #1
Design: Surveys

Local Co-ordinate Reference: Well Charles Ling Fed Com #212H
TVD Reference: WELL @ 3639.50usft (Patterson 282)
MD Reference: WELL @ 3639.50usft (Patterson 282)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Conroe DB



Company: Matador Resources
Well: Charles Ling Fed Com #212H
County: Lea County, New Mexico (NAD 27)
Rig: Patterson 282
Wellbore: Wellbore #1
Design: Design #3
Created By: SRA
Date: 11:10, January 30 2019



Azimuth to Grid North
True North: -0.42°
Magnetic North: 6.43°
Magnetic Field
Strength: 47827.1nT
Dip Angle: 60.01°
Date: 1/1/2019
Model: BGM2019

WELL DETAILS: Charles Ling Fed Com #212H

GL @ 3611.00
WELL @ 3639.50 (Patterson 282)
Northing: 743684.52
Easting: 32° 14' 17.75 N
Longitude: 103° 32' 42.74 W

DESIGN TARGET DETAILS

Name	TVD	-N/S	-E/W	Northing	Easting	Latitude	Longitude
VP v3 - Charles Ling Fed Com #212H	9000.00	307.97	-197.13	451601.50	743487.39	32° 14' 20.816 N	103° 32' 45.013 W
500' VS - Charles Ling Fed Com #212H	12323.73	-501.28	-191.78	450792.25	743492.74	32° 14' 12.808 N	103° 32' 45.029 W
1500' VS - Charles Ling Fed Com #212H	12323.73	-1501.26	-185.21	449792.27	743499.32	32° 14' 2.912 N	103° 32' 45.029 W
2000' VS - Charles Ling Fed Com #212H	12332.45	-2001.25	-181.92	449292.28	743502.60	32° 13' 57.964 N	103° 32' 45.033 W
3500' VS - Charles Ling Fed Com #212H	12384.84	-3501.22	-172.06	447792.31	743512.48	32° 13' 43.121 N	103° 32' 45.048 W
PBHL v3 - Charles Ling Fed Com #212H	12407.86	-4823.40	-163.37	446470.13	743521.15	32° 13' 30.037 N	103° 32' 45.058 W
4683' VS - Charles Ling Fed Com #212H	12405.48	-4684.19	-164.28	446609.34	743520.24	32° 13' 31.414 N	103° 32' 45.057 W

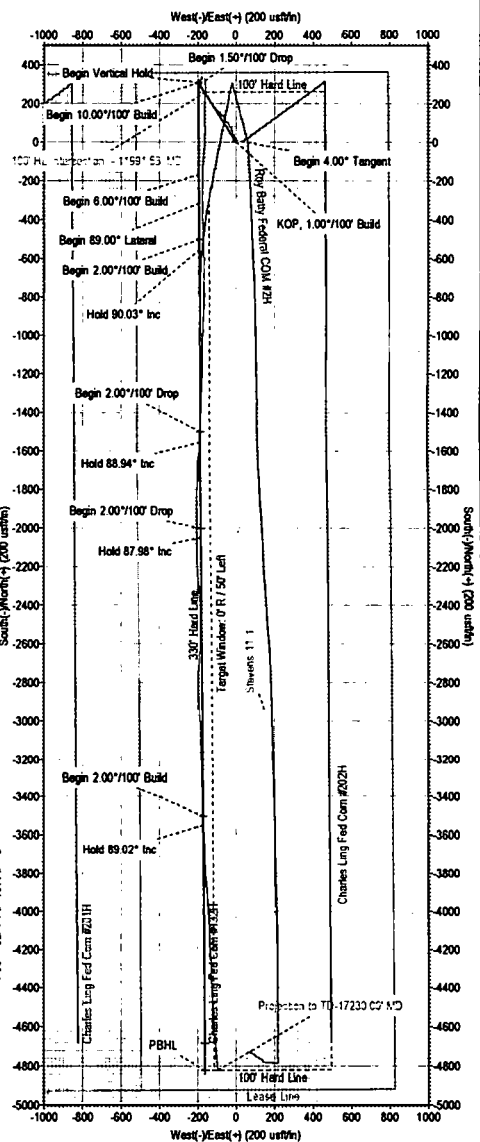
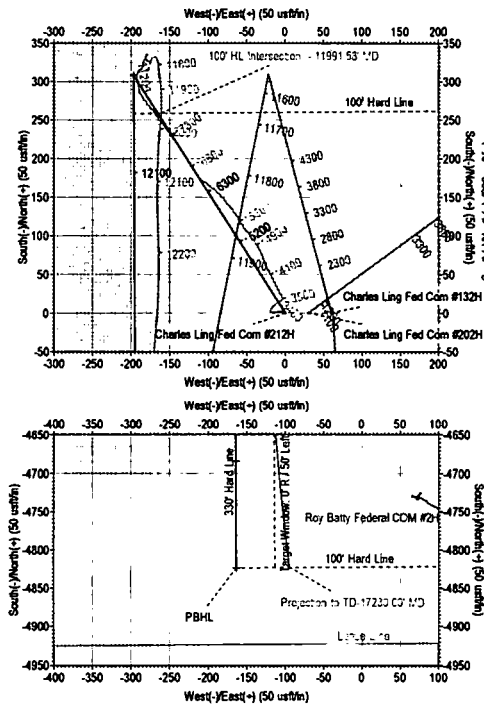
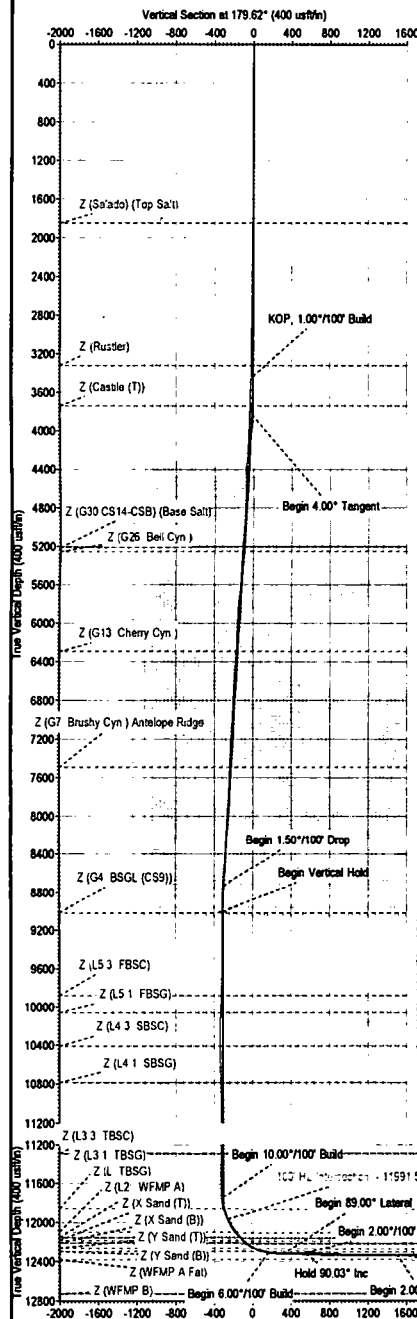
SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool	MD	Inc	Asi	TVD	-N/S	-E/W	Diag	TFace	VSeal	Annotation
0.00	17214.33	Design #3 (Wellbore #1)	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KCP, 1.00°/100' Build
				3435.00	0.00	0.00	3435.00	0.00	0.00	0.00	0.00	0.00	Begin 4.00° Tangent
				3834.81	4.00	327.38	3834.48	11.74	-7.52	1.00	327.37	-11.79	Begin 1.50°/100' Drop
				8745.95	4.00	327.38	8733.68	300.14	-192.12	0.00	0.00	-301.41	Begin Vertical Hold
				9012.49	0.00	0.00	9000.00	307.97	-197.13	1.50	180.000	-309.27	Begin 10.00°/100' Build
				11754.34	0.00	0.00	11741.85	307.97	-197.13	0.00	0.00	-309.27	Begin 6.00°/100' Build
				12554.34	80.00	179.62	12308.10	-165.48	-193.99	10.00	179.620	164.19	Begin 89.00° Lateral
				12704.32	89.00	179.62	12320.47	-314.81	-193.01	6.00	0.022	313.33	Begin 2.00°/100' Build
				12891.02	89.00	179.62	12323.73	-501.28	-191.78	0.00	0.000	500.00	Begin 10.00°/100' Drop
				12942.41	90.03	179.62	12324.16	-552.86	-191.44	2.00	0.000	551.38	Hold 90.03° Inc
				13891.03	90.03	179.62	12323.73	-1501.26	-185.21	0.00	0.000	1500.00	Begin 2.00°/100' Drop
				13945.29	88.94	179.62	12324.22	-1555.52	-184.85	2.00	-180.000	1554.28	Hold 88.94° Inc
				14391.11	88.94	179.62	12332.45	-2001.25	-181.92	0.00	0.000	2000.00	Begin 2.00°/100' Drop
				14438.92	87.98	179.62	12333.74	-2049.05	-181.61	2.00	180.000	2047.80	Hold 87.98° Inc
				15892.02	87.98	179.62	12384.84	-3501.22	-172.06	0.00	0.000	3500.00	Begin 2.00°/100' Build
				15943.92	89.02	179.62	12386.19	-3553.10	-171.72	2.00	0.000	3551.88	Hold 89.02° Inc
				17214.43	89.02	179.62	12407.86	-4823.40	-163.37	0.00	0.000	4822.21	PBHL

SECTION DETAILS

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
1848.50	1848.50	Z (Salado) (Top Salt)	0.000	179.62
3319.50	3319.50	Z (Rustler)	0.000	179.62
3739.50	3739.50	Z (Castle (T))	0.000	179.62
5214.50	5214.50	Z (G30 CS14-CSB) (Base Salt)	0.000	179.62
5257.50	5257.50	Z (G26 Bell Cyn.)	0.000	179.62
6297.50	6297.50	Z (G13 Cherry Cyn.)	0.000	179.62
7493.58	7493.58	Z (G7 Brushy Cyn.) Antelope Ridge	0.000	179.62
9015.50	9015.50	Z (G4 BSGCL (CS9))	0.000	179.62
9881.50	9881.50	Z (L5.3 FBSC)	0.000	179.62
10059.50	10059.50	Z (L5.1 FBSC)	0.000	179.62
10408.50	10408.50	Z (L4.3 SBSC)	0.000	179.62
10784.50	10784.50	Z (L4.1 SBSC)	0.000	179.62
11291.50	11291.50	Z (L3.3 TBSC)	0.000	179.62
11860.50	11860.50	Z (L3.1 TBSC)	0.000	179.62
12098.50	12098.50	Z (L2.1 TBSC)	0.000	179.62
12153.50	12153.50	Z (L2.1 WBMP A)	0.000	179.62
12184.50	12184.50	Z (X Sand (T))	0.000	179.62
12210.50	12210.50	Z (X Sand (B))	0.000	179.62
12282.50	12282.50	Z (Y Sand (T))	0.000	179.62
12297.50	12297.50	Z (Y Sand (B))	0.000	179.62
12378.50	12378.50	Z (WBMP A Fail)	0.000	179.62



MS Directional