



EXPLORING WHAT'S POSSIBLE

NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 05 2018

Apache Corporation

Eddy County, NM (NAD 83 NME)

Palmillo 14-15 State

207H

30-015-44668

RECEIVED

OH

Plan: Plan 2 02-01-18

Standard Planning Report

01 February, 2018



Database	USA Compass	Local Coordinate Reference	Well 207H
Company	Apache Corporation	Typical	RKB @ 3464.00usft (H&P 482)
Project	Eddy County, NM (NAD 83 NME)	MD (mips)	RKB @ 3464.00usft (H&P 482)
Site	Palmillo 14-15 State	North Reference	Grid
Well	207H	Survey Calculation Method	Minimum Curvature
Wellbore	OH		
Design	Plan 2 02-01-18		

Project	Eddy County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Palmillo 14-15 State		
Site Position:		Northing:	601,823.50 usft
From:	Map	Easting:	595,664.40 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 39' 15.60896 N
		Longitude:	104° 9' 24.52874 W
		Grid Convergence:	0.10 °

Well	207H		
Well Position	+N/-S	2,654.20 usft	Northing:
	+E/-W	735.60 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 39' 41.86098 N
		Longitude:	104° 9' 15.87202 W
		Ground Level:	3,438.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	HDGM	3/31/2018	7.42
			Dip Angle
			60.47
			Field Strength
			48,121.40000000

Design	Plan 2 02-01-18		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			273.97

Plan Sections										
Measured	Depth	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Depth	Build	Turn	TFO
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,789.12	0.00	0.00	6,789.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,698.82	90.97	291.77	7,362.00	216.12	-541.09	10.00	10.00	0.00	291.77	
8,815.89	90.97	269.43	7,342.84	420.28	-1,632.00	2.00	0.00	-2.00	-89.81	
9,337.45	90.97	269.43	7,334.00	415.07	-2,153.45	0.00	0.00	0.00	0.00	T1v2 - Palmillo 14-
9,410.70	92.44	269.43	7,331.82	414.34	-2,226.66	2.00	2.00	0.00	-0.01	
9,900.68	92.44	269.43	7,311.00	409.45	-2,716.18	0.00	0.00	0.00	0.00	T2v2 - Palmillo 14-
9,973.18	93.89	269.43	7,307.00	408.73	-2,788.56	2.00	2.00	0.00	0.00	
10,666.79	93.89	269.43	7,260.00	401.81	-3,480.55	0.00	0.00	0.00	0.00	T3v2 - Palmillo 14-
10,754.71	92.13	269.43	7,255.39	400.94	-3,568.33	2.00	-2.00	0.00	-180.00	
11,088.46	92.13	269.43	7,243.00	397.60	-3,901.84	0.00	0.00	0.00	0.00	T4v2 - Palmillo 14-
11,164.44	90.61	269.43	7,241.19	396.84	-3,977.79	2.00	-2.00	0.00	180.00	
12,690.31	90.61	269.43	7,225.00	381.60	-5,503.50	0.00	0.00	0.00	0.00	BHL - Palmillo 14-1

Operator:	USA Compass	Well 207H
Company:	Apache Corporation	RKB @ 3464.00usft (H&P 482)
Project:	Eddy County, NM (NAD 83 NME)	RKB @ 3464.00usft (H&P 482)
Site:	Palmillo 14-15 State	Grid
Well:	207H	Minimum Curvature
Wellbore:	OH	
Design:	Plan 2 02-01-18	

Planned Survey									
Measured Depth (usft)	Geopoint (ft)	Depth (ft)	Vertical Depth (usft)	IN (usft)	PLAN (usft)	Vertical Depth (usft)	Dogleg Rate (1/100usft)	Bulk Rate (1/100usft)	Turn Rate (1/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
314.00	0.00	0.00	314.00	0.00	0.00	0.00	0.00	0.00	0.00
TOP SALT									
648.00	0.00	0.00	648.00	0.00	0.00	0.00	0.00	0.00	0.00
TAN SILL									
859.00	0.00	0.00	859.00	0.00	0.00	0.00	0.00	0.00	0.00
YATES									
1,239.00	0.00	0.00	1,239.00	0.00	0.00	0.00	0.00	0.00	0.00
SEVEN RIVERS									
1,689.00	0.00	0.00	1,689.00	0.00	0.00	0.00	0.00	0.00	0.00
QUEEN									
2,029.00	0.00	0.00	2,029.00	0.00	0.00	0.00	0.00	0.00	0.00
GRAYBURG									
2,479.00	0.00	0.00	2,479.00	0.00	0.00	0.00	0.00	0.00	0.00
SAN ANDRES									
6,346.00	0.00	0.00	6,346.00	0.00	0.00	0.00	0.00	0.00	0.00
1ST BONE SPRING SAND									
6,516.00	0.00	0.00	6,516.00	0.00	0.00	0.00	0.00	0.00	0.00
2ND BONE SPRING CARB									
6,789.12	0.00	0.00	6,789.12	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 10.00°/100' Build									
6,800.00	1.09	291.77	6,800.00	0.04	-0.10	0.10	10.00	10.00	0.00
6,900.00	11.09	291.77	6,899.31	3.97	-9.93	10.18	10.00	10.00	0.00
7,000.00	21.09	291.77	6,995.27	14.23	-35.63	36.53	10.00	10.00	0.00
7,100.00	31.09	291.77	7,084.97	30.52	-76.42	78.35	10.00	10.00	0.00
7,200.00	41.09	291.77	7,165.68	52.34	-131.05	134.36	10.00	10.00	0.00
7,211.14	42.20	291.77	7,174.00	55.09	-137.92	141.40	10.00	10.00	0.00
2ND BONE SPRING SAND									
7,300.00	51.09	291.77	7,234.95	79.03	-197.87	202.86	10.00	10.00	0.00
7,400.00	61.09	291.77	7,290.67	109.78	-274.84	281.78	10.00	10.00	0.00
7,452.73	66.36	291.77	7,314.00	127.31	-318.73	326.77	10.00	10.00	0.00
LANDING TOP									
7,500.00	71.09	291.77	7,331.15	143.64	-359.63	368.70	10.00	10.00	0.00
7,600.00	81.09	291.77	7,355.16	179.60	-449.66	461.00	10.00	10.00	0.00
7,698.82	90.97	291.77	7,362.00	216.12	-541.09	554.75	10.00	10.00	0.00
LP, Hold 90.97° Inc, Begin 2.00°/100' Turn									
7,700.00	90.97	291.75	7,361.98	216.56	-542.19	555.87	2.00	0.01	-2.00
7,800.00	90.98	289.75	7,360.28	251.98	-635.68	651.59	2.00	0.01	-2.00
7,900.00	90.98	287.75	7,358.57	284.11	-730.36	748.26	2.00	0.00	-2.00
8,000.00	90.98	285.75	7,356.85	312.92	-826.10	845.77	2.00	0.00	-2.00
8,100.00	90.99	283.75	7,355.13	338.38	-922.79	943.98	2.00	0.00	-2.00
8,200.00	90.99	281.75	7,353.41	360.44	-1,020.30	1,042.79	2.00	0.00	-2.00
8,300.00	90.99	279.75	7,351.68	379.08	-1,118.53	1,142.07	2.00	0.00	-2.00
8,400.00	90.99	277.75	7,349.96	394.29	-1,217.34	1,241.70	2.00	0.00	-2.00
8,500.00	90.99	275.75	7,348.23	406.03	-1,316.63	1,341.56	2.00	0.00	-2.00
8,600.00	90.98	273.75	7,346.52	414.30	-1,416.27	1,441.54	2.00	0.00	-2.00
8,700.00	90.98	271.75	7,344.81	419.09	-1,516.14	1,541.49	2.00	0.00	-2.00
8,800.00	90.97	269.75	7,343.10	420.40	-1,616.11	1,641.32	2.00	-0.01	-2.00
8,815.89	90.97	269.43	7,342.84	420.28	-1,631.99	1,657.16	2.00	-0.01	-2.00
Hold 269.43° Azm									
8,900.00	90.97	269.43	7,341.41	419.44	-1,716.09	1,740.99	0.00	0.00	0.00
9,000.00	90.97	269.43	7,339.72	418.44	-1,816.07	1,840.66	0.00	0.00	0.00

Customers:	USA Compass	Well 207H
Company:	Apache Corporation	RKB @ 3464.00usft (H&P 482)
Project:	Eddy County, NM (NAD 83 NME)	RKB @ 3464.00usft (H&P 482)
Site:	Palmillo 14-15 State	Grid
Well:	207H	Minimum Curvature
Wellbore:	OH	
Design:	Plan 2 02-01-18	

Depth (ft)	Gamma Ray (API)	Aluminum (%)	Neutron (ppm)	Neutron (ppm)	Neutron (ppm)	Neutron (ppm)	Neutron (ppm)	Neutron (ppm)	Neutron (ppm)	Neutron (ppm)
9,100.00	90.97	269.43	7,338.02	417.44	-1,916.05	1,940.34	0.00	0.00	0.00	0.00
9,200.00	90.97	269.43	7,336.33	416.45	-2,016.03	2,040.01	0.00	0.00	0.00	0.00
9,300.00	90.97	269.43	7,334.63	415.45	-2,116.01	2,139.68	0.00	0.00	0.00	0.00
9,337.45	90.97	269.43	7,334.00	415.07	-2,153.45	2,177.01	0.00	0.00	0.00	0.00
Begin 2.00°/100' Build										
9,400.00	92.22	269.43	7,332.26	414.45	-2,215.97	2,239.34	2.00	2.00	0.00	0.00
9,410.70	92.44	269.43	7,331.82	414.34	-2,226.67	2,249.99	2.00	2.00	0.00	0.00
Hold 92.44° Inc										
9,500.00	92.44	269.43	7,328.03	413.45	-2,315.88	2,338.93	0.00	0.00	0.00	0.00
9,600.00	92.44	269.43	7,323.78	412.45	-2,415.79	2,438.53	0.00	0.00	0.00	0.00
9,700.00	92.44	269.43	7,319.53	411.45	-2,515.69	2,538.12	0.00	0.00	0.00	0.00
9,800.00	92.44	269.43	7,315.28	410.46	-2,615.59	2,637.72	0.00	0.00	0.00	0.00
9,900.00	92.44	269.43	7,311.03	409.46	-2,715.50	2,737.32	0.00	0.00	0.00	0.00
9,900.68	92.44	269.43	7,311.00	409.45	-2,716.18	2,737.99	0.00	0.00	0.00	0.00
Begin 2.00°/100' Build										
9,973.18	93.89	269.43	7,307.00	408.73	-2,788.56	2,810.16	2.00	2.00	0.00	0.00
Hold 93.89° Inc										
10,000.00	93.89	269.43	7,305.19	408.46	-2,815.32	2,836.83	0.00	0.00	0.00	0.00
10,100.00	93.89	269.43	7,298.41	407.46	-2,915.08	2,936.29	0.00	0.00	0.00	0.00
10,200.00	93.89	269.43	7,291.63	406.47	-3,014.85	3,035.74	0.00	0.00	0.00	0.00
10,300.00	93.89	269.43	7,284.86	405.47	-3,114.62	3,135.20	0.00	0.00	0.00	0.00
10,400.00	93.89	269.43	7,278.08	404.47	-3,214.38	3,234.66	0.00	0.00	0.00	0.00
10,500.00	93.89	269.43	7,271.30	403.48	-3,314.15	3,334.12	0.00	0.00	0.00	0.00
10,600.00	93.89	269.43	7,264.53	402.48	-3,413.91	3,433.57	0.00	0.00	0.00	0.00
10,666.79	93.89	269.43	7,260.00	401.81	-3,480.54	3,500.00	0.00	0.00	0.00	0.00
Begin 2.00°/100' Drop										
10,700.00	93.22	269.43	7,257.94	401.48	-3,513.69	3,533.04	2.00	-2.00	0.00	0.00
10,754.71	92.13	269.43	7,255.39	400.94	-3,568.33	3,587.52	2.00	-2.00	0.00	0.00
Hold 92.13° Inc										
10,800.00	92.13	269.43	7,253.71	400.48	-3,613.59	3,632.64	0.00	0.00	0.00	0.00
10,900.00	92.13	269.43	7,250.00	399.48	-3,713.52	3,732.26	0.00	0.00	0.00	0.00
11,000.00	92.13	269.43	7,246.28	398.49	-3,813.44	3,831.87	0.00	0.00	0.00	0.00
11,088.46	92.13	269.43	7,243.00	397.60	-3,901.84	3,920.00	0.00	0.00	0.00	0.00
Begin 2.00°/100' Drop										
11,100.00	91.90	269.43	7,242.60	397.49	-3,913.37	3,931.49	2.00	-2.00	0.00	0.00
11,164.44	90.61	269.43	7,241.19	396.84	-3,977.79	3,995.71	2.00	-2.00	0.00	0.00
Hold 90.61° Inc										
11,200.00	90.61	269.43	7,240.81	396.49	-4,013.35	4,031.16	0.00	0.00	0.00	0.00
11,300.00	90.61	269.43	7,239.75	395.49	-4,113.34	4,130.84	0.00	0.00	0.00	0.00
11,400.00	90.61	269.43	7,238.69	394.49	-4,213.33	4,230.52	0.00	0.00	0.00	0.00
11,500.00	90.61	269.43	7,237.63	393.49	-4,313.31	4,330.20	0.00	0.00	0.00	0.00
11,600.00	90.61	269.43	7,236.57	392.49	-4,413.30	4,429.88	0.00	0.00	0.00	0.00
11,700.00	90.61	269.43	7,235.51	391.49	-4,513.29	4,529.56	0.00	0.00	0.00	0.00
11,800.00	90.61	269.43	7,234.44	390.49	-4,613.28	4,629.24	0.00	0.00	0.00	0.00
11,900.00	90.61	269.43	7,233.38	389.50	-4,713.27	4,728.93	0.00	0.00	0.00	0.00
12,000.00	90.61	269.43	7,232.32	388.50	-4,813.26	4,828.61	0.00	0.00	0.00	0.00
12,100.00	90.61	269.43	7,231.26	387.50	-4,913.25	4,928.29	0.00	0.00	0.00	0.00
12,200.00	90.61	269.43	7,230.20	386.50	-5,013.24	5,027.97	0.00	0.00	0.00	0.00
12,300.00	90.61	269.43	7,229.14	385.50	-5,113.23	5,127.65	0.00	0.00	0.00	0.00
12,400.00	90.61	269.43	7,228.08	384.50	-5,213.22	5,227.33	0.00	0.00	0.00	0.00
12,500.00	90.61	269.43	7,227.02	383.50	-5,313.21	5,327.01	0.00	0.00	0.00	0.00
12,600.00	90.61	269.43	7,225.96	382.50	-5,413.20	5,426.69	0.00	0.00	0.00	0.00
12,690.31	90.61	269.43	7,225.00	381.60	-5,503.50	5,516.71	0.00	0.00	0.00	0.00

Database	USA Compass	Base Coordinates Reference	Well 207H
Company	Apache Corporation	TVD Reference	RKB @ 3464.00usft (H&P 482)
Project	Eddy County, NM (NAD 83 NME)	MD Reference	RKB @ 3464.00usft (H&P 482)
Site	Palmillo 14-15 State	North Reference	Grid
Well	207H	Survey Calculation Method	Minimum Curvature
Wellbore	OH		
Design	Plan 2 02-01-18		

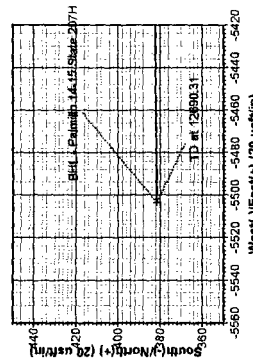
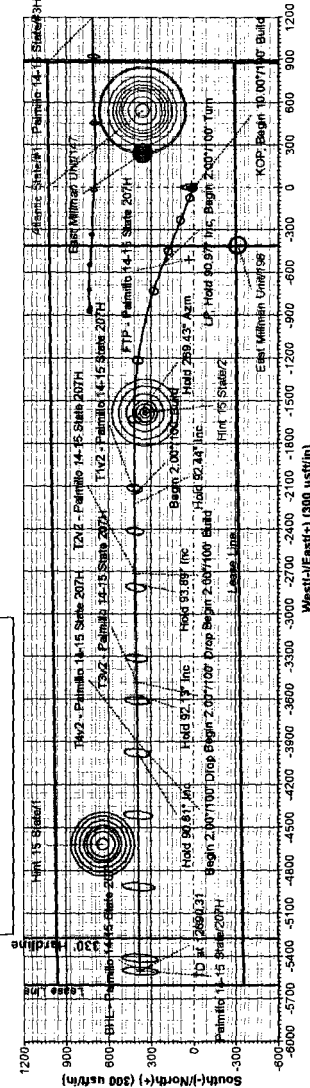
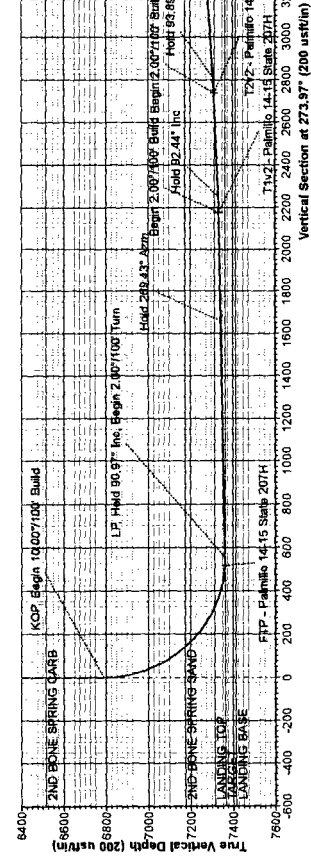
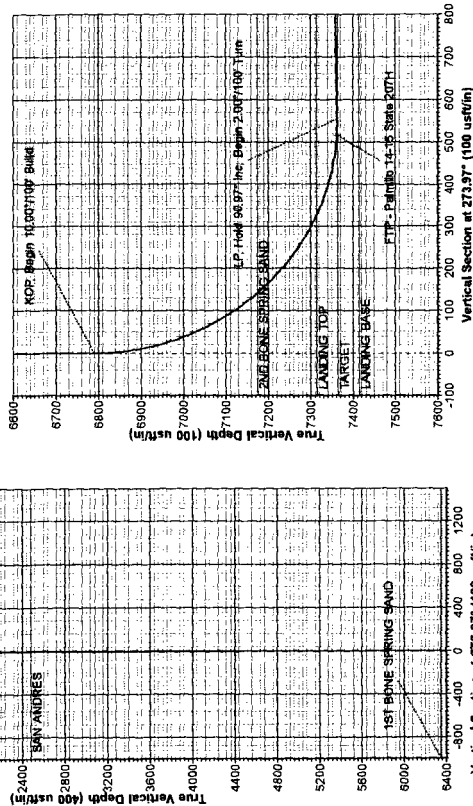
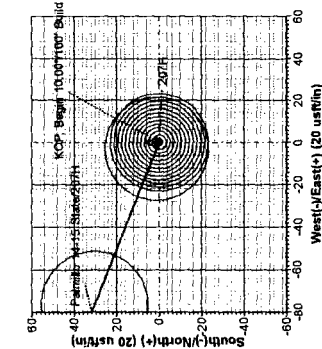
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	TVD (ft)	True W (ft)	Vertical Shift (ft)	Dogleg (ft)	Bulk Rate (ft/1000ft)	Turn Rate (ft/1000ft)
TD at 12690.31									

Target Name	Horizontal Target Shape	Dip Angle (°)	Dip Dir (°)	TVD (ft)	SNR (ft)	True W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL - Palmillo 14-15 S - plan hits target center - Point		0.00	0.00	7,225.00	381.60	-5,503.50	604,859.30	590,896.50	32° 39' 45.72423 N 04° 10' 20.24564 W	
T4v2 - Palmillo 14-15 - plan hits target center - Point		0.00	0.01	7,243.00	397.60	-3,901.84	604,875.31	592,498.16	32° 39' 45.85816 N 104° 10' 1.50880 W	
T3v2 - Palmillo 14-15 - plan hits target center - Point		0.00	0.00	7,260.00	401.81	-3,480.55	604,879.52	592,919.46	32° 39' 45.89326 N 104° 9' 56.58032 W	
T2v2 - Palmillo 14-15 - plan hits target center - Point		0.00	0.00	7,311.00	409.45	-2,716.18	604,887.15	593,683.82	32° 39' 45.95680 N 104° 9' 47.63844 W	
T1v2 - Palmillo 14-15 - plan hits target center - Point		0.00	0.00	7,334.00	415.07	-2,153.45	604,892.78	594,246.55	32° 39' 46.00347 N 104° 9' 41.05539 W	
FTP - Palmillo 14-15 S - plan misses target center by 156.53usft at 7607.92usft MD (7356.33 TVD, 182.50 N, -456.93 E) - Point		0.00	0.00	7,362.00	37.10	-514.60	604,514.80	595,885.40	32° 39' 42.23664 N 104° 9' 21.89112 W	

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
314.00	314.00	TOP SALT			
648.00	648.00	TAN SILL			
859.00	859.00	YATES			
1,239.00	1,239.00	SEVEN RIVERS			
1,689.00	1,689.00	QUEEN			
2,029.00	2,029.00	GRAYBURG			
2,479.00	2,479.00	SAN ANDRES			
6,346.00	6,346.00	1ST BONE SPRING SAND			
6,516.00	6,516.00	2ND BONE SPRING CARB			
7,211.14	7,174.00	2ND BONE SPRING SAND			
7,452.73	7,314.00	LANDING TOP			

Database	USA Compass	Local Co-ordinate Reference	Well 207H
Company	Apache Corporation	MD Reference	RKB @ 3464.00usft (H&P 482)
Project	Eddy County, NM (NAD 83 NME)	MD Reference	RKB @ 3464.00usft (H&P 482)
Site	Palmillo 14-15 State	North Reference	Grid
Well	207H	Survey Calculation Method	Minimum Curvature
Wellbore	OH		
Design	Plan 2 02-01-18		

Plan Annotations				
Station (ft)	Depth (ft)	Local Co-ordinate (ft)	Local Co-ordinate (ft)	Annotation
6,789.12	6,789.12	0.00	0.00	KOP, Begin 10.00°/100' Build
7,698.82	7,362.00	216.12	-541.09	LP, Hold 90.97° Inc, Begin 2.00°/100' Turn
8,815.89	7,342.84	420.28	-1,631.99	Hold 269.43° Azm
9,337.45	7,334.00	415.07	-2,153.45	Begin 2.00°/100' Build
9,410.70	7,331.82	414.34	-2,226.67	Hold 92.44° Inc
9,900.68	7,311.00	409.45	-2,716.18	Begin 2.00°/100' Build
9,973.18	7,307.00	408.73	-2,788.56	Hold 93.89° Inc
10,666.79	7,260.00	401.81	-3,480.54	Begin 2.00°/100' Drop
10,754.71	7,255.39	400.94	-3,568.33	Hold 92.13° Inc
11,088.46	7,243.00	397.60	-3,901.84	Begin 2.00°/100' Drop
11,164.44	7,241.19	396.84	-3,977.79	Hold 90.61° Inc
12,690.31	7,225.00	381.60	-5,503.50	TD at 12690.31



+N-S	+E-W	Northings	Eastings	Ground Level	Latitude	Longitude
0.00	0.00	604477.70	598400.00	3438.00	32° 39' 41.86098 N	104° 9' 15.87202 W

Sec	MD	Inc	Azi	TWD	+NLS	+E/W	Dleg	Trace	Used	Target	Innovation
1	6788.12	0.00	0.00	6785.12	0.00	0.00	0.00	0.00	0.00	0.00	KOP: Begin 10.00°107° Build
2	6788.12	0.00	0.00	6785.12	0.00	0.00	0.00	0.00	0.00	0.00	KOP: Begin 10.00°107° Build
3	6788.12	0.00	0.00	6785.12	0.00	0.00	0.00	0.00	0.00	0.00	KOP: Begin 10.00°107° Build
4	6815.66	90.87	298.43	7342.94	40.28	-532.00	2.00	-43.81	1857.18	0.00	Hold 285.42° Azm
5	6815.66	90.87	298.43	7342.94	40.28	-532.00	2.00	-43.81	1857.18	0.00	Hold 285.42° Azm
6	6815.66	90.87	298.43	7342.94	40.28	-532.00	2.00	-43.81	1857.18	0.00	Hold 285.42° Azm
7	6910.70	92.44	298.43	7434.04	41.57	-2153.45	0.00	0.00	2177.00	0.00	Begin 2.00°100° Build
8	6910.70	92.44	298.43	7434.04	41.57	-2153.45	0.00	0.00	2177.00	0.00	Begin 2.00°100° Build
9	6910.70	92.44	298.43	7434.04	41.57	-2153.45	0.00	0.00	2177.00	0.00	Begin 2.00°100° Build
10	6910.70	92.44	298.43	7434.04	41.57	-2153.45	0.00	0.00	2177.00	0.00	Begin 2.00°100° Build
11	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
12	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
13	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
14	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
15	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
16	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
17	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
18	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
19	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
20	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
21	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
22	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
23	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
24	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
25	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
26	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
27	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
28	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
29	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44° Inc
30	6923.18	93.69	298.43	7460.00	40.73	-2748.56	2.00	-40.71	2249.89	0.00	Hold 92.44°

Name	TVO	ΔMS	ΔEW	Northing	Easting	Latitude	Longitude
BK1 - Páramo 14-15 State 207H	7223.00	381.60	-5603.30	90459.30	90308.30	32° 39' 45.74223 N	104° 10' 22.8584 W
BK2 - Páramo 14-15 State 207H	7243.00	380.00	-5601.84	90483.30	90398.16	32° 39' 45.65616 N	104° 10' 15.0080 W
BK3 - Páramo 14-15 State 207H	7260.00	481.81	-5400.35	90487.51	92519.45	32° 39' 45.95528 N	104° 5' 36.3032 W
TX2 - Páramo 14-15 State 207H	7311.00	408.45	-5216.18	90480.75	92519.82	32° 39' 45.55600 N	104° 5' 41.35044 W
TX3 - Páramo 14-15 State 207H	7338.00	430.07	-5143.90	90482.77	92548.35	32° 39' 45.03491 N	104° 5' 41.05533 W
FTV - Páramo 14-15 State 207H	7362.00	371.00	-5214.60	90476.10	92565.40	32° 39' 42.23693 N	104° 5' 21.98112 W

TVI/Depth	Formation	Deviation	Dip/yr
314.00	TOP SALT		
244.00	THICK		
180.00	WYLES		
85.00	WYLES		
1239.00	SEVEN RIVERS		
1685.00	QUEEN		
1685.00	GOVERNOR		
2473.00	SAN ANDRES		
6346.00	1ST BONE SPRING SAND		
7515.00	2ND BONE SPRING SAND		
7715.00	2ND BONE SPRING SAND		
7715.00	LANDING TOP		
7314.00			
7452.73			

147. OH, Survey VO
206H, OH, Plan 2 02-01-18 VO
2. OH, Surveys VO
— #1, OH, Surveys VO
198, OH, Surveys VO
1. OH, Surveys VO
#1, WB1/Job #111057, Surveys (Pioneer 28) VO
#3H, OH, Job #61177, Surveys (H&P 462) VO
— Plan 2 02-01-18