

HOBBS OCD
MAR 22 2018
RECEIVED



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Gem 36 State Com

#6H

OH

Design: OH

PVA Report

15 February, 2018



PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3394.0usft (HP 620)
Site:	Gem 36 State Com	MD Reference:	KB= 25' @ 3394.0usft (HP 620)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Project	Lea 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	Gem 36 State Com
------	------------------

Site Position:		Northing:	393,686.00 usft	Latitude:	32° 4' 49.331 N
From:	Map	Easting:	759,213.00 usft	Longitude:	103° 37' 47.552 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.37 °

Well	#6H
------	-----

Well Position	+N/-S	0.0 usft	Northing:	393,686.00 usft	Latitude:	32° 4' 49.333 N
	+E/-W	0.0 usft	Easting:	759,180.00 usft	Longitude:	103° 37' 47.935 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,369.0 usft

Wellbore	OH
----------	----

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/27/2017	6.99	59.92	47,861.24938622

Design	OH
--------	----

Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	105.52	

Survey Program	Date	2/15/2018
----------------	------	-----------

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
182.0	13,941.0	MS MWD (OH)	MWD	OWSG MWD - Standard



PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3394.0usft (HP 620)
Site:	Gem 36 State Com	MD Reference:	KB= 25' @ 3394.0usft (HP 620)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	
182.0	1.40	6.80	182.0	2.2	0.3	0.77	0.77	0.00	-2.2	0.0	
329.0	0.70	350.30	329.0	4.9	0.3	0.51	-0.48	-11.22	-4.8	-1.1	
502.0	2.20	228.50	501.9	3.7	-2.3	1.52	0.87	-70.40	0.7	-4.3	
679.0	4.40	216.90	678.6	-4.0	-9.0	1.29	1.24	-6.55	-8.5	-4.8	
751.0	5.10	212.80	750.4	-8.9	-12.4	1.08	0.97	-5.69	-14.1	-5.6	
883.0	3.10	211.80	882.0	-16.8	-17.4	1.52	-1.52	-0.76	-23.5	-5.9	
1,072.0	0.80	212.10	1,070.9	-22.3	-20.8	1.22	-1.22	0.16	-29.9	-5.8	
1,261.0	0.90	213.20	1,259.9	-24.7	-22.3	0.05	0.05	0.58	-32.8	-5.2	
1,451.0	1.00	10.80	1,449.9	-24.3	-22.8	0.98	0.05	82.95	28.1	17.9	
1,640.0	1.30	342.40	1,638.8	-20.6	-23.2	0.34	0.16	-15.03	12.6	28.3	
1,830.0	1.20	331.20	1,828.8	-16.8	-24.8	0.14	-0.05	-5.89	2.8	29.8	
2,019.0	1.10	34.30	2,017.8	-13.6	-24.7	0.64	-0.05	33.39	25.1	12.8	
2,208.0	0.70	24.80	2,206.7	-11.0	-23.2	0.23	-0.21	-5.03	19.7	16.4	
2,397.0	0.70	19.60	2,395.7	-8.9	-22.3	0.03	0.00	-2.75	15.9	18.1	
2,586.0	0.80	2.50	2,584.7	-6.5	-21.9	0.13	0.05	-9.05	7.4	21.6	
2,776.0	0.80	348.80	2,774.7	-3.9	-22.1	0.10	0.00	-7.21	-0.5	22.4	
2,965.0	0.80	344.80	2,963.7	-1.3	-22.7	0.03	0.00	-2.12	-4.7	22.2	
3,155.0	1.50	356.20	3,153.6	2.5	-23.2	0.39	0.37	6.00	-4.0	23.0	
3,343.0	1.60	6.90	3,341.6	7.5	-23.0	0.16	0.05	5.69	-4.7	23.8	
3,532.0	1.90	10.80	3,530.5	13.2	-22.1	0.17	0.16	2.06	-8.8	24.2	
3,721.0	1.50	61.20	3,719.4	17.5	-19.4	0.79	-0.21	26.67	8.6	24.7	
3,910.0	1.40	60.50	3,908.3	19.8	-15.2	0.05	-0.05	-0.37	3.5	24.7	
4,099.0	1.60	71.50	4,097.3	21.8	-10.7	0.19	0.11	5.82	3.2	24.1	
4,288.0	2.00	90.20	4,286.2	22.6	-4.9	0.37	0.21	9.89	5.0	22.6	
4,477.0	2.80	102.10	4,475.0	21.6	2.9	0.50	0.42	6.30	1.7	21.8	
4,666.0	2.50	122.00	4,663.8	18.5	10.9	0.51	-0.16	10.53	0.5	21.5	



PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3394.0usft (HP 620)
Site:	Gem 36 State Com	MD Reference:	KB= 25' @ 3394.0usft (HP 620)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,695.0	2.40	122.00	4,692.8	17.8	12.0	0.34	-0.34	0.00	-0.7	21.5	
4,847.0	0.90	168.50	4,844.7	15.0	14.9	1.25	-0.99	30.59	11.7	17.6	
5,037.0	1.00	208.90	5,034.7	12.1	14.4	0.35	0.05	21.26	17.5	6.8	
5,226.0	1.00	222.70	5,223.7	9.4	12.5	0.13	0.00	7.30	15.4	2.8	
5,415.0	1.00	211.50	5,412.6	6.8	10.5	0.10	0.00	-5.93	11.3	5.4	
5,604.0	1.70	141.00	5,601.6	3.2	11.4	0.88	0.37	-37.30	-4.7	10.9	
5,793.0	3.60	142.10	5,790.4	-3.7	16.8	1.01	1.01	0.58	-9.9	11.8	
5,983.0	5.10	145.00	5,979.8	-15.3	25.3	0.80	0.79	1.53	-8.4	15.3	
6,172.0	5.90	145.30	6,168.0	-30.1	35.7	0.42	0.42	0.16	-7.0	18.7	
6,361.0	6.40	145.20	6,355.9	-46.8	47.2	0.26	0.26	-0.05	-7.8	22.0	
6,549.0	6.50	147.60	6,542.7	-64.4	58.9	0.15	0.05	1.28	-8.5	25.3	
6,738.0	7.50	154.50	6,730.3	-84.5	69.9	0.69	0.53	3.65	-8.6	27.6	
6,927.0	7.50	153.70	6,917.7	-106.7	80.7	0.06	0.00	-0.42	-13.9	27.7	
7,116.0	6.90	151.40	7,105.2	-127.8	91.6	0.35	-0.32	-1.22	-19.0	27.9	
7,306.0	5.90	164.30	7,294.0	-147.2	99.7	0.92	-0.53	6.79	-13.7	30.8	
7,495.0	3.50	177.20	7,482.4	-162.3	102.6	1.38	-1.27	6.83	-4.5	28.2	
7,684.0	2.60	182.80	7,671.1	-172.3	102.7	0.50	-0.48	2.96	-4.6	25.3	
7,873.0	2.30	191.50	7,859.9	-180.3	101.7	0.25	-0.16	4.60	-8.6	26.3	
8,062.0	2.00	205.00	8,048.8	-187.0	99.6	0.31	-0.16	7.14	-9.2	28.5	
8,251.0	2.00	211.50	8,237.7	-192.8	96.5	0.12	0.00	3.44	-12.5	29.7	
8,440.0	2.10	202.40	8,426.5	-198.9	93.4	0.18	0.05	-4.81	-23.8	26.8	
8,535.0	2.00	209.60	8,521.5	-201.9	92.0	0.29	-0.11	7.58	-23.6	29.8	
8,555.0	2.10	206.00	8,541.5	-202.5	91.6	0.81	0.50	-18.00	-26.2	28.3	
8,603.0	0.60	303.40	8,589.5	-203.2	91.0	4.70	-3.12	202.92	31.3	23.2	
8,640.2	5.70	352.24	8,626.6	-201.3	90.6	14.32	13.71	131.29	36.1	-8.2	
KOP (Gem 36 State Com #6H)											
8,650.0	7.10	353.20	8,636.3	-200.2	90.5	14.32	14.27	9.84	35.0	-8.7	



PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3394.0usft (HP 620)
Site:	Gem 36 State Com	MD Reference:	KB= 25' @ 3394.0usft (HP 620)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
8,698.0	13.60	353.60	8,683.5	-191.6	89.5	13.54	13.54	0.83	29.6	-8.6	
8,745.0	18.50	349.90	8,728.7	-178.8	87.6	10.65	10.43	-7.87	24.5	-5.7	
8,792.0	26.50	350.00	8,772.1	-161.1	84.4	17.02	17.02	0.21	17.9	-3.7	
8,839.0	32.10	350.30	8,813.0	-138.4	80.5	11.92	11.91	0.64	10.1	-0.9	
8,887.0	36.90	351.80	8,852.6	-111.6	76.3	10.15	10.00	3.12	2.4	2.2	
8,934.0	42.50	354.10	8,888.7	-81.8	72.7	12.32	11.91	4.89	-4.5	5.5	
8,981.0	48.40	356.20	8,921.7	-48.4	69.9	12.95	12.55	4.47	-11.4	8.4	
9,028.0	52.40	358.70	8,951.7	-12.3	68.3	9.44	8.51	5.32	-17.6	10.5	
9,076.0	54.00	359.70	8,980.4	26.2	67.7	3.73	3.33	2.08	-23.4	11.6	
9,123.0	57.00	359.30	9,007.0	64.9	67.4	6.42	6.38	-0.85	-29.1	12.1	
9,171.0	60.90	359.00	9,031.8	106.0	66.8	8.14	8.12	-0.62	-35.7	13.0	
9,176.0	60.94	359.00	9,034.2	110.4	66.7	0.85	0.85	0.00	-36.5	13.1	
HL Crossing, MD:9176.0', TVD:9034.2', N/S:110.4', E/W:66.7', INC:60.94											
9,218.0	61.30	359.00	9,054.5	147.1	66.1	0.85	0.85	0.00	-42.0	13.9	
9,265.0	61.30	358.10	9,077.1	188.4	65.0	1.68	0.00	-1.91	-46.7	14.9	
9,296.3	61.50	359.70	9,092.0	215.8	64.5	4.53	0.62	5.11	-48.3	16.3	
FTP (Gem 36 State Com #6H)											
9,312.0	61.60	0.50	9,099.5	229.6	64.5	4.53	0.67	5.10	-48.9	16.8	
9,360.0	61.40	0.20	9,122.4	271.8	64.8	0.69	-0.42	-0.62	-49.6	16.8	
9,407.0	63.00	359.90	9,144.3	313.4	64.8	3.45	3.40	-0.64	-48.7	17.0	
9,455.0	62.00	359.30	9,166.5	356.0	64.5	2.36	-2.08	-1.25	-46.1	17.6	
9,502.0	63.30	359.80	9,188.1	397.7	64.2	2.92	2.77	1.06	-41.5	18.5	
9,550.0	67.60	0.80	9,208.0	441.4	64.4	9.16	8.96	2.08	-37.0	18.9	
9,597.0	70.40	3.50	9,224.9	485.2	66.1	8.02	5.96	5.74	-33.4	18.0	
9,644.0	72.80	3.80	9,239.7	529.7	68.9	5.14	5.11	0.64	-29.9	15.5	
9,691.0	75.20	2.90	9,252.7	574.8	71.6	5.43	5.11	-1.91	-25.2	13.1	
9,739.0	78.70	1.00	9,263.5	621.5	73.1	8.25	7.29	-3.96	-19.6	11.8	



PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3394.0usft (HP 620)
Site:	Gem 36 State Com	MD Reference:	KB= 25' @ 3394.0usft (HP 620)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,786.0	81.30	359.20	9,271.7	667.8	73.2	6.70	5.53	-3.83	-13.3		12.1
9,833.0	83.00	358.80	9,278.1	714.4	72.4	3.71	3.62	-0.85	-6.4		13.3
9,880.0	88.90	359.30	9,281.4	761.2	71.6	12.60	12.55	1.06	-2.4		14.5
9,905.0	89.40	358.40	9,281.8	786.2	71.1	4.12	2.00	-3.60	-1.7		15.2
10,000.0	90.50	357.80	9,281.9	881.1	68.0	1.32	1.16	-0.63	-0.2		19.2
10,094.0	89.30	1.20	9,282.0	975.1	67.2	3.84	-1.28	3.62	1.3		20.9
10,189.0	89.00	0.90	9,283.4	1,070.1	68.9	0.45	-0.32	-0.32	4.1		20.0
10,284.0	89.50	0.60	9,284.7	1,165.1	70.1	0.61	0.53	-0.32	6.8		19.6
10,378.0	91.20	0.80	9,284.1	1,259.1	71.3	1.82	1.81	0.21	7.6		19.3
10,473.0	91.90	0.30	9,281.5	1,354.0	72.2	0.91	0.74	-0.53	6.4		19.3
10,567.0	91.10	0.80	9,279.1	1,448.0	73.1	1.00	-0.85	0.53	5.3		19.2
10,617.5	91.79	0.69	9,277.8	1,498.5	73.8	1.38	1.37	-0.21	4.8		19.0
TGT 1 (Gem 36 State Com #6H)											
10,662.0	92.40	0.60	9,276.2	1,542.9	74.3	1.38	1.37	-0.21	3.7		18.9
10,756.0	90.50	1.20	9,273.8	1,636.9	75.7	2.12	-2.02	0.64	2.4		18.3
10,851.0	91.00	1.60	9,272.6	1,731.9	78.1	0.67	0.53	0.42	2.2		16.9
10,945.0	90.50	2.40	9,271.3	1,825.8	81.3	1.00	-0.53	0.85	2.0		14.4
11,040.0	90.80	2.40	9,270.2	1,920.7	85.3	0.32	0.32	0.00	2.0		11.3
11,134.0	89.40	1.60	9,270.1	2,014.6	88.6	1.72	-1.49	-0.85	2.9		8.9
11,228.0	89.80	1.90	9,270.7	2,108.6	91.5	0.53	0.43	0.32	4.7		6.9
11,323.0	89.60	1.20	9,271.2	2,203.6	94.0	0.77	-0.21	-0.74	6.2		5.2
11,417.0	90.10	1.30	9,271.5	2,297.5	96.1	0.54	0.53	0.11	7.5		4.0
11,512.0	90.60	359.80	9,270.9	2,392.5	97.0	1.66	0.53	-1.58	8.0		3.9
11,607.0	91.60	359.10	9,269.1	2,487.5	96.1	1.28	1.05	-0.74	7.3		5.7
11,701.0	92.20	359.50	9,266.0	2,581.4	94.9	0.77	0.64	0.43	5.2		7.7
11,796.0	93.90	359.90	9,260.9	2,676.3	94.4	1.84	1.79	0.42	1.3		9.0
11,890.0	96.40	2.80	9,252.5	2,769.9	96.6	4.06	2.66	3.09	-6.1		7.7



PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3394.0usft (HP 620)
Site:	Gem 36 State Com	MD Reference:	KB= 25' @ 3394.0usft (HP 620)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
11,985.0	99.30	7.10	9,239.5	2,863.6	104.8	5.42	3.05	4.53	-18.0	0.4	
12,080.0	102.10	9.80	9,221.8	2,955.9	118.5	4.06	2.95	2.84	-34.5	-12.7	
12,115.4	99.78	7.14	9,215.1	2,990.3	123.6	9.88	-6.55	-7.53	-40.8	-17.5	
TGT 2 (Gem 36 State Com #6H)											
12,174.0	95.90	2.80	9,207.1	3,048.1	128.6	9.88	-6.62	-7.40	-48.3	-21.8	
12,269.0	93.70	0.20	9,199.2	3,142.7	131.1	3.58	-2.32	-2.74	-55.4	-23.4	
12,363.0	84.70	355.00	9,200.5	3,236.5	127.1	11.05	-9.57	-5.53	-53.1	-18.6	
12,458.0	84.70	356.90	9,209.3	3,330.9	120.5	1.99	0.00	2.00	-43.4	-11.0	
12,553.0	85.60	357.10	9,217.3	3,425.4	115.5	0.97	0.95	0.21	-34.4	-5.2	
12,647.0	88.60	358.70	9,222.1	3,519.2	112.1	3.62	3.19	1.70	-28.7	-0.9	
12,742.0	90.20	359.10	9,223.1	3,614.2	110.2	1.74	1.68	0.42	-26.8	1.8	
12,837.0	90.80	359.00	9,222.2	3,709.2	108.7	0.64	0.63	-0.11	-26.7	4.2	
12,931.0	91.80	359.20	9,220.1	3,803.1	107.2	1.08	1.06	0.21	-27.9	6.5	
13,026.0	91.30	0.20	9,217.5	3,898.1	106.7	1.18	-0.53	1.05	-29.5	7.9	
13,121.0	92.10	1.00	9,214.7	3,993.0	107.7	1.19	0.84	0.84	-31.3	7.8	
13,125.6	92.06	1.01	9,214.5	3,997.6	107.8	1.01	-0.96	0.32	-31.5	7.7	
TGT 3 (Gem 36 State Com #6H)											
13,215.0	91.20	1.30	9,212.0	4,087.0	109.6	1.01	-0.96	0.32	-32.8	6.7	
13,310.0	91.70	1.50	9,209.6	4,181.9	111.9	0.57	0.53	0.21	-34.0	5.3	
13,404.0	89.50	0.80	9,208.6	4,275.9	113.8	2.46	-2.34	-0.74	-33.7	4.2	
13,499.0	88.50	359.30	9,210.3	4,370.9	113.9	1.90	-1.05	-1.58	-30.8	5.0	
13,594.0	91.30	358.80	9,210.4	4,465.8	112.3	2.99	2.95	-0.53	-29.4	7.5	
13,688.0	94.60	358.70	9,205.6	4,559.7	110.2	3.51	3.51	-0.11	-32.9	10.4	
13,783.0	91.90	359.50	9,200.2	4,654.5	108.7	2.96	-2.84	0.84	-37.1	12.7	
13,855.4	88.13	0.50	9,200.2	4,726.9	108.7	5.39	-5.21	1.38	-36.1	13.4	
LTP Crossing, MD:13855.4', TVD:9200.2', N/S:4726.9', E/W:108.7', INC:88.13											
13,877.0	87.00	0.80	9,201.1	4,748.5	109.0	5.39	-5.21	1.38	-34.9	13.3	



PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3394.0usft (HP 620)
Site:	Gem 36 State Com	MD Reference:	KB= 25' @ 3394.0usft (HP 620)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
13,882.0	86.80	0.60	9,201.4	4,753.5	109.1	5.65	-4.00	-4.00	-34.6	13.3
Final MWD Survey (MD= 13882.0')										
13,941.0	86.80	0.60	9,204.7	4,812.4	109.7	0.00	0.00	0.00	-30.5	13.2
Final Bit Projection (MD= 13941.0') - PBHL (Gem 36 State Com #6H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,176.0	9,034.2	110.4	66.7	HL Crossing, MD:9176.0', TVD:9034.2', N/S:110.4', E/W:66.7', INC:60.94
13,855.4	9,200.2	4,726.9	108.7	LTP Crossing, MD:13855.4', TVD:9200.2', N/S:4726.9', E/W:108.7', INC:88.13
13,882.0	9,201.4	4,753.5	109.1	Final MWD Survey (MD= 13882.0')
13,941.0	9,204.7	4,812.4	109.7	Final Bit Projection (MD= 13941.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Gem 36 State Com #6H

HP 620

Plan #2

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

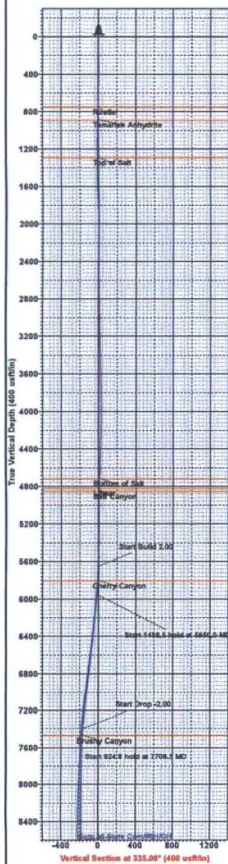
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #6H

Ground Level: 3369.0
KB= 25' @ 3394.0ust (HP 620)
Northing 393686.00 Easting 759180.00
Latitude 32° 4' 49.333 N Longitude 103° 37' 47.935 W



To convert a Magnetic Direction to a Grid Direction, Add 6.61°
To convert a Magnetic Direction to a True Direction, Add 6.99° East
To convert a True Direction to a Grid Direction, Subtract 0.37°



SECTION DETAILS											Target	Annotation
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSecl			
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0			
2	5650.0	0.00	0.00	5650.0	0.0	0.0	0.00	0.00	0.0			
3	5850.0	6.00	155.00	5848.5	-14.2	6.6	2.00	155.00	-14.0			
4	7408.5	6.00	155.00	7400.0	-152.4	71.1	0.00	0.00	-150.5			
5	7708.5	0.00	0.00	7699.5	-166.8	77.7	2.00	180.00	-164.6			
6	8833.3	0.00	0.00	8824.2	-166.6	77.7	0.00	0.00	-164.6			
7	9005.7	44.68	0.52	8960.0	-26.6	76.9	12.00	0.52	-26.6			
8	9607.9	74.79	0.52	9260.0	485.5	83.6	5.00	0.00	487.5			
9	8806.5	90.54	0.52	9285.0	853.9	85.4	8.00	0.00	685.9			
10	10622.8	90.84	0.52	9273.0	1488.1	92.8	0.00	0.00	1500.0			
11	10632.6	90.65	0.52	9272.5	1507.9	92.9	2.00	178.95	1509.9			
12	12123.6	90.65	0.52	9256.0	2986.7	106.4	0.00	0.00	3000.4			
13	12127.4	90.57	0.52	9256.0	3002.5	106.4	2.00	-180.00	3004.2			
14	13123.4	90.57	0.52	9246.0	3998.4	115.5	0.00	0.00	4000.0			
15	13132.8	90.76	0.52	9245.9	4007.8	115.6	2.00	0.00	4008.5			
16	13952.1	90.76	0.52	9235.0	4827.0	123.0	0.00	0.00	4828.6			

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TGT 1 (Gem 36 State Com #6H)	9273.0	1488.1	92.8	395184.10	759272.80
TGT 2 (Gem 36 State Com #6H)	9256.0	2986.7	106.4	394654.70	759236.41
TGT 3 (Gem 36 State Com #6H)	9246.0	3998.4	115.5	397684.00	759295.48
PBHL (Gem 36 State Com #6H)	9235.0	4827.0	123.0	398513.00	759303.00
FTP (Gem 36 State Com #6H)	9285.0	111.0	80.0	393797.00	759260.00
KOP (Gem 36 State Com #6H)	8624.2	-166.6	77.7	393519.38	759257.70

