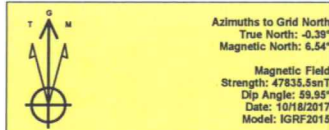
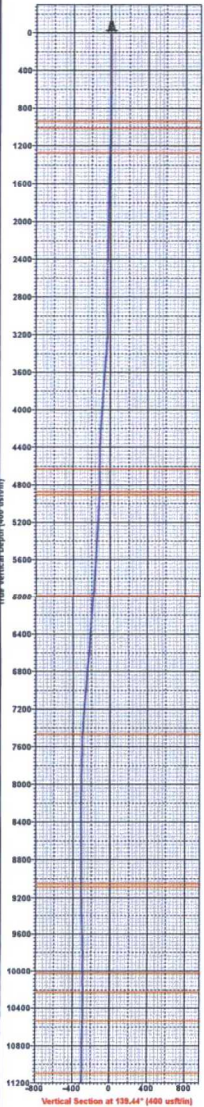


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Lea County, NM (NAD 27 NME)
Audacious BTL 19 Fed Com #3H
HP 653
Plan #4



To convert a Magnetic Direction to a Grid Direction, Add 6.54°
To convert a Magnetic Direction to a True Direction, Add 6.93° East
To convert a True Direction to a Grid Direction, Subtract 0.39°

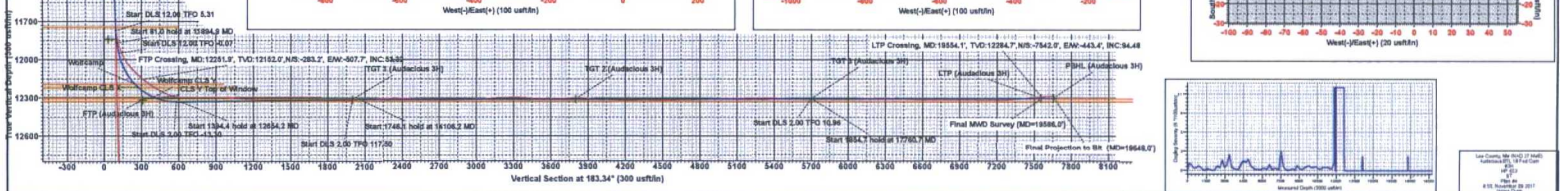
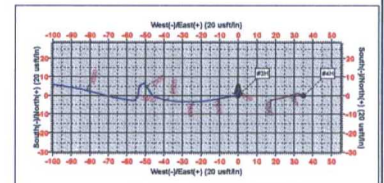
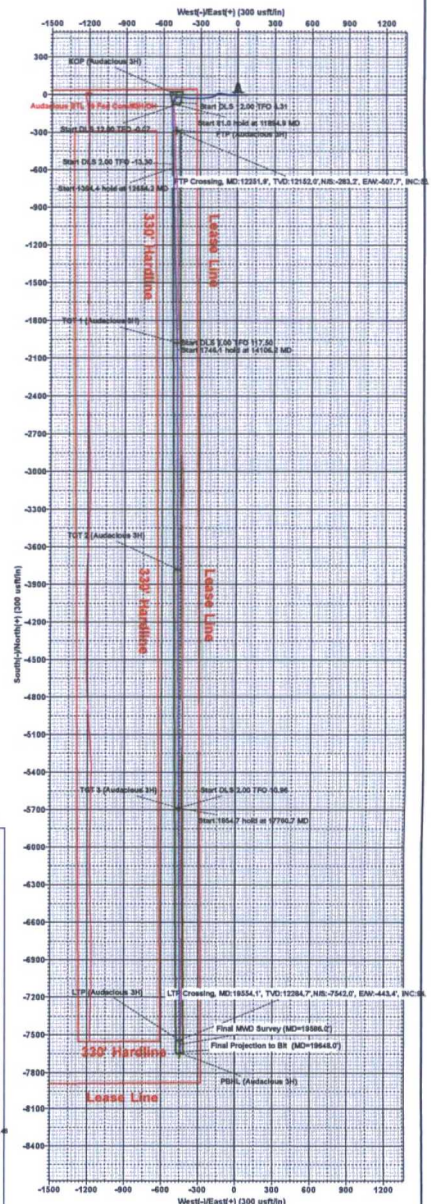
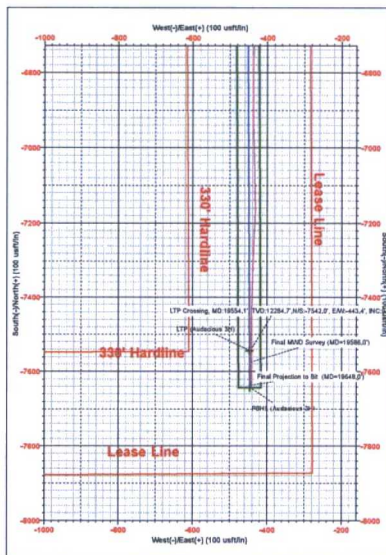
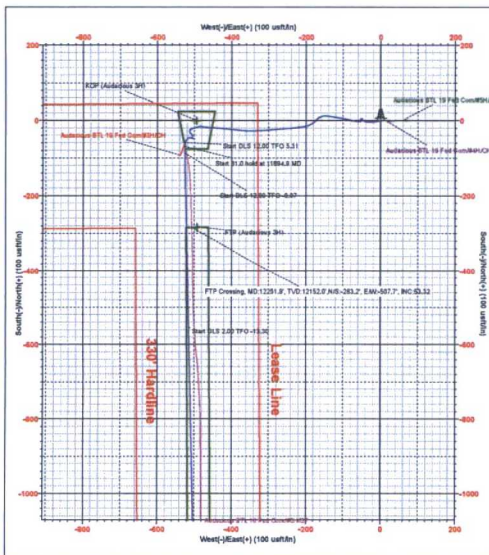
PROJECT DETAILS: Lea County, NM (NAD 27 NME)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

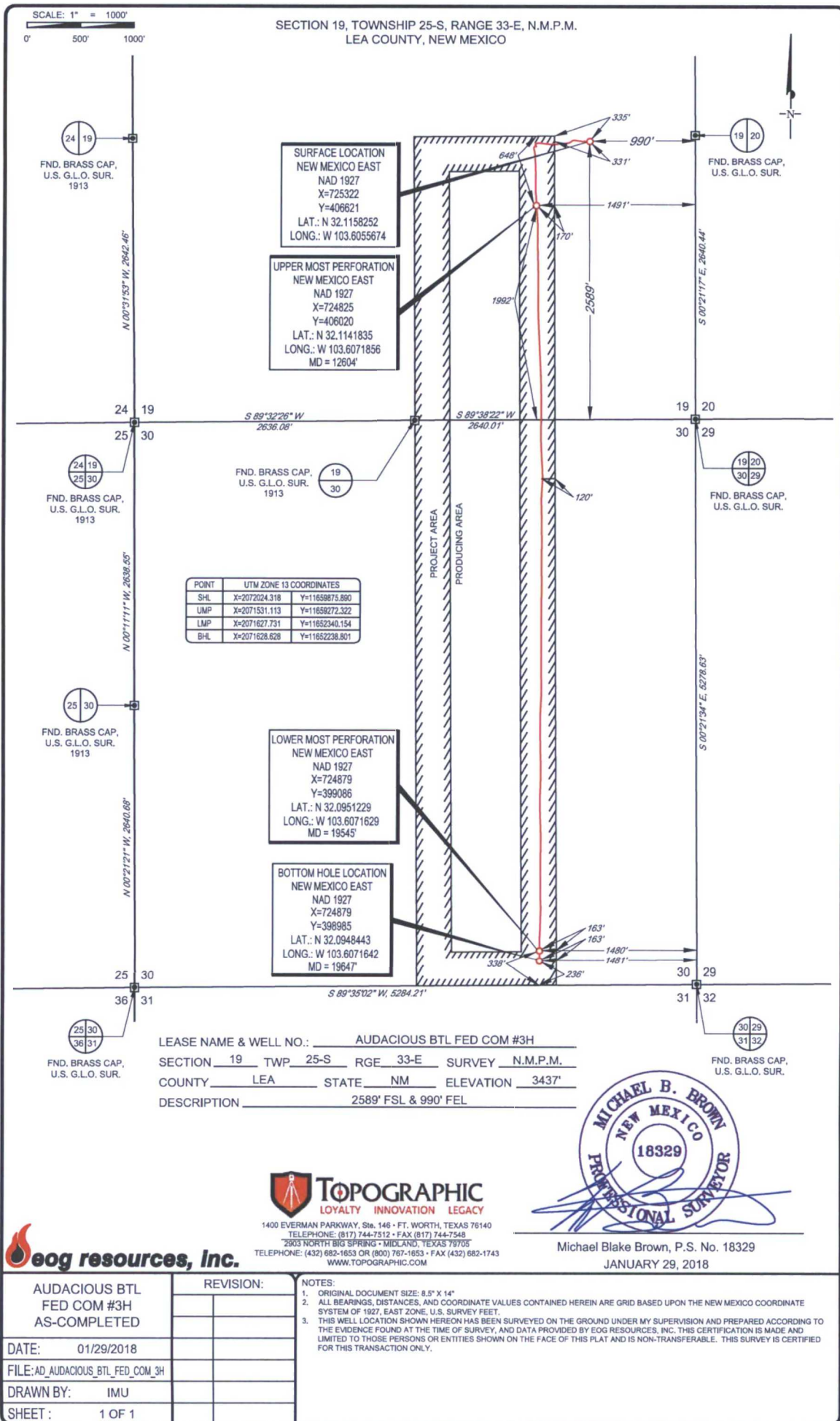
WELL DETAILS: #3H
Ground Level: 3437.0
KB = 25' @ 3462.0usft (HP 653)
Northing: 406621.00 Easting: 725322.00 Latitude: 32° 6' 56.974 N Longitude: 103° 36' 20.045 W

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	11800.0	0.61	173.79	11775.4	-59.0	-526.1	0.00	89.5		
2	11894.9	12.00	178.83	11869.6	-69.4	-525.8	12.00	5.31	99.9	
3	11975.9	12.00	178.83	11948.8	-86.2	-525.5	0.00	0.00	116.7	
4	12626.9	90.12	178.76	12327.0	-554.1	-515.5	12.00	-0.07	583.2	
5	12654.2	90.65	178.63	12326.8	-581.4	-514.8	2.00	-13.30	610.4	
6	14048.6	90.65	178.63	12311.0	-1975.3	-481.6	0.00	0.00	2000.0	TGT 1 (Audacious 3H)
7	14106.2	90.12	179.66	12310.6	-2032.9	-480.7	2.00	117.50	2057.4	
8	15552.3	90.12	179.66	12307.0	-3779.0	-470.3	0.00	0.00	3800.0	TGT 2 (Audacious 3H)
9	17756.4	90.06	179.62	12304.0	-5683.0	-458.3	0.00	-150.03	5700.0	TGT 3 (Audacious 3H)
10	17760.7	90.15	179.64	12304.0	-5687.3	-458.3	2.00	10.96	5704.3	
11	19615.4	90.15	179.64	12299.3	-7542.0	-446.6	0.00	0.00	7555.2	LTP (Audacious 3H)
12	19715.4	90.15	179.64	12299.0	-7642.0	-446.0	0.00	0.00	7655.0	PBHL (Audacious 3H)

CASING DETAILS
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N-S	+E-W	Northing	Easting	
KOP (Audacious 3H)	11836.5	0.0	-484.0	406621.00	724827.96	
PBHL (Audacious 3H)	12299.0	-7642.0	-446.0	38979.00	724876.00	
LTP (Audacious 3H)	12299.3	-7542.0	-446.6	38979.00	724875.37	
TGT 1 (Audacious 3H)	12304.0	-5683.0	-458.3	400938.00	724893.69	
TGT 2 (Audacious 3H)	12307.0	-3779.0	-470.3	402842.00	724891.73	
TGT 3 (Audacious 3H)	12311.0	-1975.3	-481.6	404645.70	724840.39	
FTP (Audacious 3H)	12314.0	-283.0	-482.0	406338.00	724830.00	





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Audacious BTL 19 Fed Com

#3H

ST

Design: ST

PVA Report

09 November, 2017

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PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #3H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3462.0usft (HP 653)
Site:	Audacious BTL 19 Fed Com	MD Reference:	KB = 25' @ 3462.0usft (HP 653)
Well:	#3H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	Database:	EDM 5000.14

Project	Lea County, NM (NAD 27 NME)		
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	Audacious BTL 19 Fed Com		
Site Position:		Northing:	406,621.00 usft
From:	Map	Easting:	725,322.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 56.974 N
		Longitude:	103° 36' 20.045 W
		Grid Convergence:	0.39 °

Well		#3H				
Well Position	+N/-S	0.0 usft	Northing:	406,621.00 usft	Latitude:	32° 6' 56.974 N
	+E/-W	0.0 usft	Easting:	725,322.00 usft	Longitude:	103° 36' 20.045 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,437.0 usft

Wellbore	ST				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/18/2017	6.93	59.95	47,835.53956370

Design		ST		
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 11,630.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	183.34

PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #3H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3462.0usft (HP 653)
Site:	Audacious BTL 19 Fed Com	MD Reference:	KB = 25' @ 3462.0usft (HP 653)
Well:	#3H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	Database:	EDM 5000.14

Survey Program		Date	11/9/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
117.0	11,630.0	Intrepid MWD (OH)	MWD	MWD - Standard	
11,807.0	19,648.0	Intrepid MWD #2 (ST)	MWD	MWD - Standard	

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	0.0
117.0	1.30	7.70	117.0	1.3	0.2	1.11	1.11	0.00	0.0	0.0	0.0
306.0	0.40	125.30	306.0	3.1	1.0	0.81	-0.48	62.22	0.0	0.0	0.0
496.0	0.60	203.40	496.0	1.8	1.1	0.34	0.11	41.11	0.0	0.0	0.0
681.0	1.00	252.70	681.0	0.4	-0.8	0.41	0.22	26.65	0.0	0.0	0.0
867.0	2.30	263.30	866.9	-0.5	-6.0	0.71	0.70	5.70	0.0	0.0	0.0
1,015.0	1.70	252.00	1,014.8	-1.5	-11.1	0.48	-0.41	-7.64	0.0	0.0	0.0
1,186.0	1.40	265.00	1,185.7	-2.5	-15.6	0.27	-0.18	7.60	0.0	0.0	0.0
1,310.0	1.40	262.80	1,309.7	-2.8	-18.6	0.04	0.00	-1.77	0.0	0.0	0.0
1,495.0	1.80	268.50	1,494.6	-3.2	-23.7	0.23	0.22	3.08	0.0	0.0	0.0
1,556.0	1.60	271.90	1,555.6	-3.2	-25.5	0.37	-0.33	5.57	0.0	0.0	0.0
1,644.0	1.60	267.00	1,643.5	-3.2	-28.0	0.16	0.00	-5.57	0.0	0.0	0.0
1,834.0	1.60	278.80	1,833.5	-3.0	-33.3	0.17	0.00	6.21	0.0	0.0	0.0
2,024.0	1.60	277.30	2,023.4	-2.2	-38.5	0.02	0.00	-0.79	0.0	0.0	0.0
2,214.0	1.70	289.00	2,213.3	-1.0	-43.8	0.18	0.05	6.16	0.0	0.0	0.0
2,404.0	1.80	336.00	2,403.2	2.7	-47.7	0.74	0.05	24.74	0.0	0.0	0.0
2,594.0	1.40	311.90	2,593.2	7.0	-50.6	0.41	-0.21	-12.68	0.0	0.0	0.0
2,784.0	1.90	194.60	2,783.1	5.5	-53.1	1.49	0.26	-61.74	0.0	0.0	0.0
2,973.0	1.20	178.90	2,972.1	0.5	-53.9	0.43	-0.37	-8.31	0.0	0.0	0.0
3,163.0	1.60	246.70	3,162.0	-2.6	-56.3	0.84	0.21	35.68	0.0	0.0	0.0
3,353.0	5.50	288.70	3,351.6	-0.7	-67.4	2.34	2.05	22.11	0.0	0.0	0.0

PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #3H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3462.0usft (HP 653)
Site:	Audacious BTL 19 Fed Com	MD Reference:	KB = 25' @ 3462.0usft (HP 653)
Well:	#3H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	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)	
3,543.0	5.80	279.80	3,540.7	3.8	-85.4	0.49	0.16	-4.68	0.0	0.0	
3,733.0	5.20	278.80	3,729.8	6.8	-103.4	0.32	-0.32	-0.53	0.0	0.0	
3,923.0	4.90	279.70	3,919.1	9.5	-119.9	0.16	-0.16	0.47	0.0	0.0	
4,113.0	5.30	278.90	4,108.3	12.2	-136.6	0.21	0.21	-0.42	0.0	0.0	
4,303.0	3.60	271.00	4,297.8	13.7	-151.2	0.95	-0.89	-4.16	0.0	0.0	
4,493.0	5.20	239.50	4,487.2	9.4	-164.6	1.49	0.84	-16.58	0.0	0.0	
4,683.0	4.40	214.60	4,676.6	-1.0	-176.2	1.16	-0.42	-13.11	0.0	0.0	
4,873.0	5.80	247.60	4,865.9	-10.6	-189.2	1.68	0.74	17.37	0.0	0.0	
5,063.0	6.40	259.30	5,054.8	-16.3	-208.5	0.72	0.32	6.16	0.0	0.0	
5,253.0	6.30	266.70	5,243.6	-18.8	-229.3	0.43	-0.05	3.89	0.0	0.0	
5,443.0	6.50	264.40	5,432.5	-20.5	-250.4	0.17	0.11	-1.21	0.0	0.0	
5,633.0	6.20	266.70	5,621.3	-22.1	-271.3	0.21	-0.16	1.21	0.0	0.0	
5,823.0	6.40	265.60	5,810.1	-23.5	-292.1	0.12	0.11	-0.58	0.0	0.0	
6,013.0	5.80	264.70	5,999.1	-25.2	-312.3	0.32	-0.32	-0.47	0.0	0.0	
6,203.0	6.30	269.50	6,188.0	-26.2	-332.2	0.37	0.26	2.53	0.0	0.0	
6,393.0	6.40	267.00	6,376.8	-26.8	-353.2	0.15	0.05	-1.32	0.0	0.0	
6,583.0	7.30	278.40	6,565.5	-25.6	-375.8	0.86	0.47	6.00	0.0	0.0	
6,773.0	7.40	276.40	6,753.9	-22.5	-399.9	0.14	0.05	-1.05	0.0	0.0	
6,963.0	6.70	275.00	6,942.5	-20.2	-423.1	0.38	-0.37	-0.74	0.0	0.0	
7,152.0	6.30	271.70	7,130.3	-18.9	-444.4	0.29	-0.21	-1.75	0.0	0.0	
7,342.0	6.50	272.50	7,319.1	-18.1	-465.6	0.12	0.11	0.42	0.0	0.0	
7,532.0	1.50	311.10	7,508.6	-16.0	-478.2	2.85	-2.63	20.32	0.0	0.0	
7,722.0	1.70	263.00	7,698.5	-14.7	-482.9	0.69	0.11	-25.32	0.0	0.0	
7,900.0	1.80	254.50	7,876.4	-15.8	-488.2	0.16	0.06	-4.78	0.0	0.0	
8,090.0	1.70	256.80	8,066.4	-17.2	-493.8	0.06	-0.05	1.21	0.0	0.0	
8,280.0	1.50	260.80	8,256.3	-18.3	-499.0	0.12	-0.11	2.11	0.0	0.0	
8,470.0	1.80	247.60	8,446.2	-19.8	-504.2	0.25	0.16	-6.95	0.0	0.0	

PVA Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Audacious BTL 19 Fed Com
 Well: #3H
 Wellbore: ST
 Design: ST

Local Co-ordinate Reference: Well #3H
 TVD Reference: KB = 25' @ 3462.0usft (HP 653)
 MD Reference: KB = 25' @ 3462.0usft (HP 653)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 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)	
8,659.0	1.80	243.60	8,635.1	-22.3	-509.6	0.07	0.00	-2.12	0.0	0.0	
8,849.0	0.90	196.80	8,825.1	-25.0	-512.7	0.71	-0.47	-24.63	0.0	0.0	
9,039.0	1.10	167.90	9,015.0	-28.2	-512.8	0.28	0.11	-15.21	0.0	0.0	
9,229.0	0.90	151.90	9,205.0	-31.3	-511.7	0.18	-0.11	-8.42	0.0	0.0	
9,419.0	1.40	121.70	9,395.0	-33.9	-509.0	0.40	0.26	-15.89	0.0	0.0	
9,610.0	1.80	159.00	9,585.9	-37.9	-506.0	0.57	0.21	19.53	0.0	0.0	
9,800.0	0.60	201.00	9,775.9	-41.6	-505.2	0.74	-0.63	22.11	0.0	0.0	
9,990.0	1.30	180.40	9,965.8	-44.7	-505.6	0.40	0.37	-10.84	0.0	0.0	
10,179.0	0.80	134.90	10,154.8	-47.8	-504.7	0.49	-0.26	-24.07	0.0	0.0	
10,369.0	0.40	354.30	10,344.8	-48.0	-503.8	0.60	-0.21	-74.00	0.0	0.0	
10,559.0	0.70	310.70	10,534.8	-46.6	-504.8	0.26	0.16	-22.95	0.0	0.0	
10,749.0	0.70	279.40	10,724.8	-45.7	-506.8	0.20	0.00	-16.47	0.0	0.0	
10,939.0	1.60	283.60	10,914.7	-44.9	-510.5	0.48	0.47	2.21	0.0	0.0	
11,129.0	1.00	254.70	11,104.7	-44.7	-514.7	0.46	-0.32	-15.21	0.0	0.0	
11,319.0	1.70	225.60	11,294.6	-47.1	-518.3	0.50	0.37	-15.32	0.0	0.0	
11,509.0	2.10	216.80	11,484.5	-51.8	-522.4	0.26	0.21	-4.63	0.0	0.0	
11,630.0	2.00	208.80	11,605.4	-55.5	-524.8	0.25	-0.08	-6.61	0.0	0.0	
11,807.0	3.30	177.00	11,782.3	-63.3	-526.0	1.08	0.73	-17.97	-4.0	-0.1	
11,855.0	11.40	174.10	11,829.8	-69.4	-525.4	16.89	16.87	-6.04	-6.7	-0.1	
11,902.0	16.50	168.30	11,875.4	-80.5	-523.6	11.24	10.85	-12.34	-9.9	0.2	
11,950.0	21.00	166.90	11,920.9	-95.6	-520.2	9.42	9.37	-2.92	-15.8	1.9	
11,997.0	27.30	169.90	11,963.7	-114.4	-516.4	13.65	13.40	6.38	-25.2	4.8	
12,045.0	35.10	175.60	12,004.8	-139.1	-513.4	17.36	16.25	11.87	-35.8	9.4	
12,092.0	40.90	177.00	12,041.8	-167.9	-511.6	12.48	12.34	2.98	-47.3	11.2	
12,140.0	43.60	177.80	12,077.3	-200.2	-510.1	5.74	5.62	1.67	-57.7	12.3	
12,187.0	46.50	178.60	12,110.5	-233.4	-509.1	6.29	6.17	1.70	-64.9	13.2	
12,235.0	52.10	178.20	12,141.8	-269.8	-508.1	11.68	11.67	-0.83	-70.6	13.1	

PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #3H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3462.0usft (HP 653)
Site:	Audacious BTL 19 Fed Com	MD Reference:	KB = 25' @ 3462.0usft (HP 653)
Well:	#3H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	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)
12,251.9	53.32	178.20	12,152.0	-283.2	-507.7	7.23	7.23	0.00	-72.3	13.2
FTP Crossing, MD:12251.9', TVD:12152.0', N/S:-283.2', E/W:-507.7', INC:53.32										
12,282.0	55.50	178.20	12,169.6	-307.7	-506.9	7.23	7.23	0.00	-74.4	13.4
12,330.0	57.50	179.10	12,196.1	-347.7	-506.0	4.45	4.17	1.87	-74.7	14.2
12,377.0	59.30	179.50	12,220.7	-387.7	-505.5	3.90	3.83	0.85	-71.1	14.0
12,425.0	62.30	179.90	12,244.1	-429.6	-505.3	6.29	6.25	0.83	-64.0	13.5
12,472.0	66.70	177.90	12,264.3	-472.0	-504.4	10.12	9.36	-4.26	-54.9	12.9
12,520.0	74.60	177.00	12,280.2	-517.2	-502.4	16.55	16.46	-1.87	-45.3	13.9
12,567.0	83.00	176.50	12,289.3	-563.2	-499.8	17.90	17.87	-1.06	-37.6	15.5
12,614.0	88.90	175.00	12,292.7	-609.9	-496.3	12.95	12.55	-3.19	-33.8	17.8
12,662.0	89.50	173.40	12,293.3	-657.7	-491.5	3.56	1.25	-3.33	-32.7	21.5
12,784.0	91.00	179.70	12,292.8	-779.4	-484.1	5.31	1.23	5.16	-31.8	26.0
12,879.0	88.00	179.80	12,293.6	-874.4	-483.7	3.16	-3.16	0.11	-29.9	24.1
12,974.0	87.30	179.50	12,297.5	-969.3	-483.1	0.80	-0.74	-0.32	-24.9	22.5
13,069.0	86.90	179.20	12,302.3	-1,064.2	-482.1	0.53	-0.42	-0.32	-19.0	21.3
13,164.0	86.30	178.50	12,308.0	-1,159.0	-480.2	0.97	-0.63	-0.74	-12.3	20.9
13,259.0	86.80	178.80	12,313.7	-1,253.8	-477.9	0.61	0.53	0.32	-5.5	20.9
13,354.0	91.30	181.00	12,315.3	-1,348.7	-477.8	5.27	4.74	2.32	-2.9	18.8
13,449.0	88.30	180.10	12,315.6	-1,443.7	-478.7	3.30	-3.16	-0.95	-1.4	15.6
13,544.0	92.30	179.00	12,315.1	-1,538.7	-477.9	4.37	4.21	-1.16	-0.9	14.1
13,640.0	88.40	178.30	12,314.5	-1,634.7	-475.7	4.13	-4.06	-0.73	-0.4	14.1
13,735.0	90.30	177.90	12,315.6	-1,729.6	-472.5	2.04	2.00	-0.42	1.8	15.0
13,830.0	89.20	176.30	12,316.0	-1,824.5	-467.7	2.04	-1.16	-1.68	3.3	17.5
13,925.0	90.90	177.60	12,315.9	-1,919.3	-462.6	2.25	1.79	1.37	4.3	20.3
14,020.0	92.70	177.00	12,312.9	-2,014.2	-458.2	2.00	1.89	-0.63	2.3	22.7
14,115.0	96.20	177.00	12,305.6	-2,108.7	-453.2	3.68	3.68	0.00	-4.7	27.1
14,210.0	93.20	177.10	12,297.8	-2,203.3	-448.3	3.16	-3.16	0.11	-12.4	31.4

PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #3H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3462.0usft (HP 653)
Site:	Audacious BTL 19 Fed Com	MD Reference:	KB = 25' @ 3462.0usft (HP 653)
Well:	#3H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	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)
14,304.0	89.40	180.30	12,295.6	-2,297.2	-446.2	5.28	-4.04	3.40	-14.4	32.9
14,400.0	87.90	179.30	12,297.9	-2,393.2	-445.9	1.88	-1.56	-1.04	-12.0	32.7
14,495.0	86.60	179.50	12,302.5	-2,488.1	-444.9	1.38	-1.37	0.21	-7.2	33.1
14,590.0	89.80	180.80	12,305.4	-2,583.0	-445.1	3.64	3.37	1.37	-4.0	32.3
14,684.0	89.30	180.70	12,306.2	-2,677.0	-446.4	0.54	-0.53	-0.11	-3.1	30.5
14,779.0	91.30	179.20	12,305.7	-2,772.0	-446.3	2.63	2.11	-1.58	-3.4	30.0
14,874.0	91.50	177.90	12,303.4	-2,866.9	-443.9	1.38	0.21	-1.37	-5.5	31.9
14,969.0	90.60	175.80	12,301.6	-2,961.8	-438.7	2.40	-0.95	-2.21	-7.1	36.5
15,064.0	93.30	175.90	12,298.4	-3,056.4	-431.8	2.84	2.84	0.11	-10.0	42.8
15,150.0	92.70	182.00	12,293.9	-3,142.3	-430.2	7.12	-0.70	7.09	-14.5	43.8
15,245.0	91.30	185.00	12,290.6	-3,237.0	-436.0	3.48	-1.47	3.16	-17.7	37.4
15,340.0	88.20	179.30	12,291.0	-3,331.9	-439.6	6.83	-3.26	-6.00	-16.9	33.4
15,435.0	86.40	179.20	12,295.5	-3,426.8	-438.3	1.90	-1.89	-0.11	-12.3	34.0
15,530.0	89.20	179.30	12,299.1	-3,521.7	-437.1	2.95	2.95	0.11	-8.4	34.7
15,625.0	92.00	178.50	12,298.1	-3,616.7	-435.3	3.07	2.95	-0.84	-9.2	36.0
15,720.0	91.70	179.70	12,295.0	-3,711.6	-433.8	1.30	-0.32	1.26	-12.1	36.9
15,815.0	89.30	181.90	12,294.2	-3,806.6	-435.1	3.43	-2.53	2.32	-12.7	35.0
15,910.0	84.40	179.40	12,299.4	-3,901.4	-436.2	5.79	-5.16	-2.63	-7.3	33.4
16,005.0	86.70	178.90	12,306.8	-3,996.1	-434.8	2.48	2.42	-0.53	0.2	34.2
16,100.0	87.40	179.80	12,311.7	-4,090.9	-433.7	1.20	0.74	0.95	5.3	34.7
16,195.0	89.80	180.50	12,314.0	-4,185.9	-434.0	2.63	2.53	0.74	7.8	33.9
16,290.0	91.70	181.10	12,312.8	-4,280.9	-435.3	2.10	2.00	0.63	6.7	31.9
16,385.0	88.70	179.80	12,312.4	-4,375.9	-436.0	3.44	-3.16	-1.37	6.6	30.6
16,480.0	90.50	180.30	12,313.1	-4,470.9	-436.1	1.97	1.89	0.53	7.4	29.9
16,575.0	91.60	179.90	12,311.4	-4,565.9	-436.3	1.23	1.16	-0.42	5.8	29.2
16,670.0	92.20	179.20	12,308.2	-4,660.8	-435.5	0.97	0.63	-0.74	2.8	29.3
16,765.0	91.30	180.30	12,305.3	-4,755.7	-435.1	1.50	-0.95	1.16	0.1	29.2

PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #3H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3462.0usft (HP 653)
Site:	Audacious BTL 19 Fed Com	MD Reference:	KB = 25' @ 3462.0usft (HP 653)
Well:	#3H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	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)	
16,860.0	92.40	180.50	12,302.2	-4,850.7	-435.8	1.18	1.16	0.21	-2.9	27.9	
16,964.0	91.20	179.20	12,299.0	-4,954.6	-435.5	1.70	-1.15	-1.25	-5.9	27.5	
17,059.0	90.10	178.30	12,297.9	-5,049.6	-433.4	1.50	-1.16	-0.95	-6.9	29.0	
17,154.0	90.40	182.30	12,297.5	-5,144.6	-433.9	4.22	0.32	4.21	-7.2	27.9	
17,249.0	92.00	183.50	12,295.5	-5,239.4	-438.7	2.11	1.68	1.26	-9.1	22.4	
17,344.0	88.80	180.40	12,294.8	-5,334.4	-442.0	4.69	-3.37	-3.26	-9.6	18.6	
17,439.0	88.60	180.20	12,297.0	-5,429.3	-442.5	0.30	-0.21	-0.21	-7.3	17.5	
17,534.0	87.10	179.70	12,300.6	-5,524.3	-442.4	1.66	-1.58	-0.53	-3.6	17.0	
17,629.0	89.40	178.60	12,303.5	-5,619.2	-441.0	2.68	2.42	-1.16	-0.6	17.8	
17,723.0	88.90	179.00	12,304.8	-5,713.2	-439.0	0.68	-0.53	0.43	0.9	19.1	
17,818.0	89.60	179.20	12,306.1	-5,808.1	-437.5	0.77	0.74	0.21	2.4	20.0	
17,914.0	89.60	179.80	12,306.8	-5,904.1	-436.7	0.62	0.00	0.62	3.3	20.2	
18,009.0	94.50	182.50	12,303.4	-5,999.0	-438.6	5.89	5.16	2.84	0.1	17.7	
18,104.0	91.00	180.80	12,298.8	-6,093.9	-441.3	4.09	-3.68	-1.79	-4.2	14.4	
18,199.0	90.60	179.90	12,297.5	-6,188.8	-441.9	1.04	-0.42	-0.95	-5.2	13.2	
18,294.0	89.80	177.80	12,297.1	-6,283.8	-440.0	2.37	-0.84	-2.21	-5.3	14.6	
18,389.0	86.00	177.70	12,300.6	-6,378.7	-436.3	4.00	-4.00	-0.11	-1.6	17.7	
18,484.0	87.40	179.50	12,306.1	-6,473.5	-433.9	2.40	1.47	1.89	4.1	19.4	
18,579.0	89.60	180.60	12,308.6	-6,568.4	-434.0	2.59	2.32	1.16	6.8	18.7	
18,673.0	89.20	180.70	12,309.6	-6,662.4	-435.1	0.44	-0.43	0.11	8.1	17.1	
18,768.0	91.10	181.40	12,309.3	-6,757.4	-436.8	2.13	2.00	0.74	8.1	14.7	
18,864.0	90.20	179.70	12,308.2	-6,853.4	-437.7	2.00	-0.94	-1.77	7.2	13.2	
18,959.0	89.90	179.50	12,308.1	-6,948.4	-437.1	0.38	-0.32	-0.21	7.4	13.3	
19,054.0	87.40	177.30	12,310.4	-7,043.3	-434.4	3.50	-2.63	-2.32	9.8	15.3	
19,149.0	89.50	180.40	12,313.0	-7,138.2	-432.5	3.94	2.21	3.26	12.7	16.6	
19,244.0	93.70	182.70	12,310.3	-7,233.1	-435.1	5.04	4.42	2.42	10.2	13.5	
19,339.0	94.60	181.70	12,303.4	-7,327.8	-438.7	1.41	0.95	-1.05	3.6	9.3	

PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #3H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3462.0usft (HP 653)
Site:	Audacious BTL 19 Fed Com	MD Reference:	KB = 25' @ 3462.0usft (HP 653)
Well:	#3H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	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)	
19,433.0	95.60	181.50	12,295.1	-7,421.4	-441.3	1.08	1.06	-0.21	-4.5	6.0	
19,465.0	95.00	181.40	12,292.1	-7,453.3	-442.2	1.90	-1.87	-0.31	-7.4	5.0	
19,554.1	94.48	180.15	12,284.7	-7,542.0	-443.4	1.52	-0.58	-1.41	-14.5	3.3	
LTP Crossing, MD:19554.1', TVD:12284.7',N/S:-7542.0', E/W:-443.4', INC:94.48											
19,586.0	94.30	179.70	12,282.3	-7,573.8	-443.3	1.52	-0.58	-1.40	-16.9	3.1	
Final MWD Survey (MD=19586.0')											
19,648.0	94.30	179.70	12,277.7	-7,635.7	-443.0	0.00	0.00	0.00	-21.4	3.1	
Final Projection to Bit (MD=19648.0')											

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
12,251.9	12,152.0	-283.2	-507.7	FTP Crossing, MD:12251.9', TVD:12152.0',N/S:-283.2', E/W:-507.7', INC:53.32	
19,554.1	12,284.7	-7,542.0	-443.4	LTP Crossing, MD:19554.1', TVD:12284.7',N/S:-7542.0', E/W:-443.4', INC:94.48	
19,586.0	12,282.3	-7,573.8	-443.3	Final MWD Survey (MD=19586.0')	
19,648.0	12,277.7	-7,635.7	-443.0	Final Projection to Bit (MD=19648.0')	

Checked By: _____ Approved By: _____ Date: _____

Bureau of Land Management
WATER PRODUCTION & DISPOSAL INFORMATION

LEASE: AUDACIOUS BTL 19 FEDERAL COM

Lease no NMNM 110838

SECTION 19, T25S, R33E

Wells: Audacious BTL 19 Federal Com #3H 30-025-43864
Audacious BTL 19 Federal Com #4H 30-025-43865
Audacious BTL 19 Federal Com #5H 30-025-43866

1. Name of formation producing water on lease: WOLFCAMP
2. Amount of water produced from all formations in barrels per day 3000-5000 BWPD
3. How water is stored on lease 4 - 400 BBL Tanks
4. How water is moved to disposal facility Pipeline/Trucked
5. Disposal Facility:
EOG Red Hills Gathering System - 97% of water, 3% water

- a. Name of Operator/facility well name & number

MESQUITE SWD, INC

OWL SWD OPERATING, LLC

Cotton Draw SWD #66

Maralo Sholes B #2

30-025-22024

30-025-09806

E-10-25S-32E

P-25-25S-36E

Permit No SWD 1306-0

Permit No SWD 1127-0

DACO OPERATING, LLC

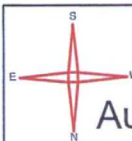
Challenger Fortress

42-301-32997

Loving County, Texas

UIC NO 114148

Type of facility or wells SWD



EOG Resources, Inc.

Audacious BTL Federal Com #2H

Sec. 19-T25S-R33E Unit J

2.9.2018

LEGEND

	Valve Open		Turbine/ Coriolis Meter
	Valve Closed		Oil
	Valve Sealed		Gas
	Orifice Meter		Water

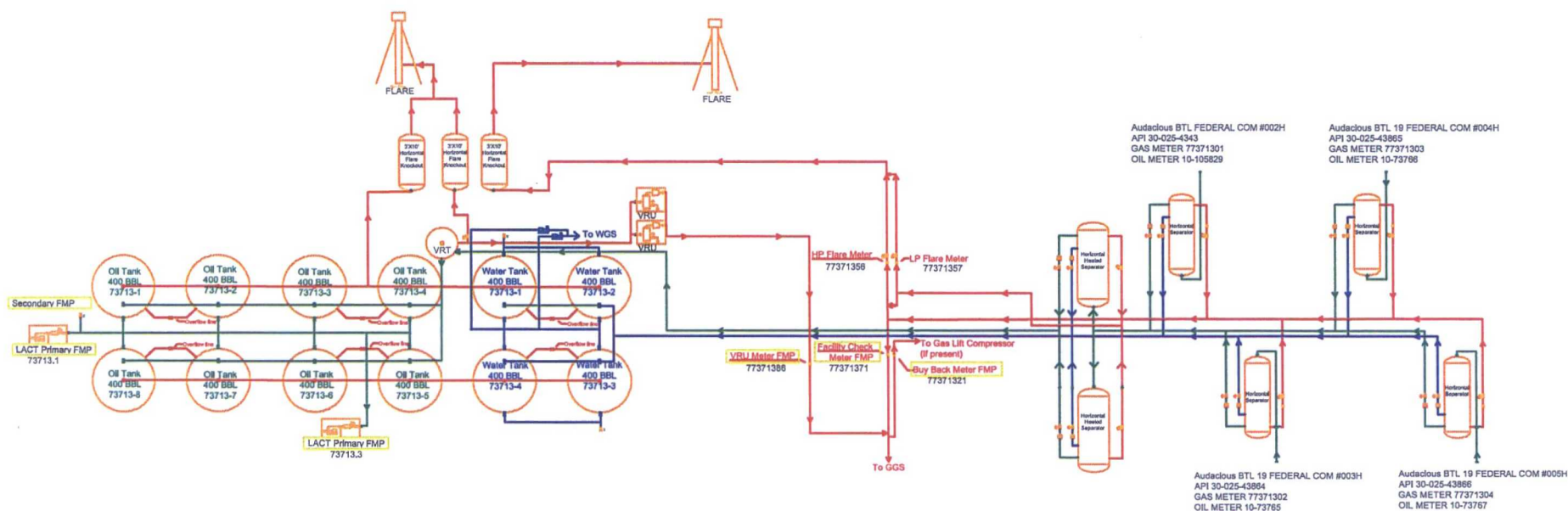
FACILITY DIAGRAM

Shown: Major equipment, vessels, process piping, and valves
Not shown: Auxiliary process systems such as fuel/ pilot gas system, gas lift system, roll lines, recirculating lines, vent lines, and small drain lines

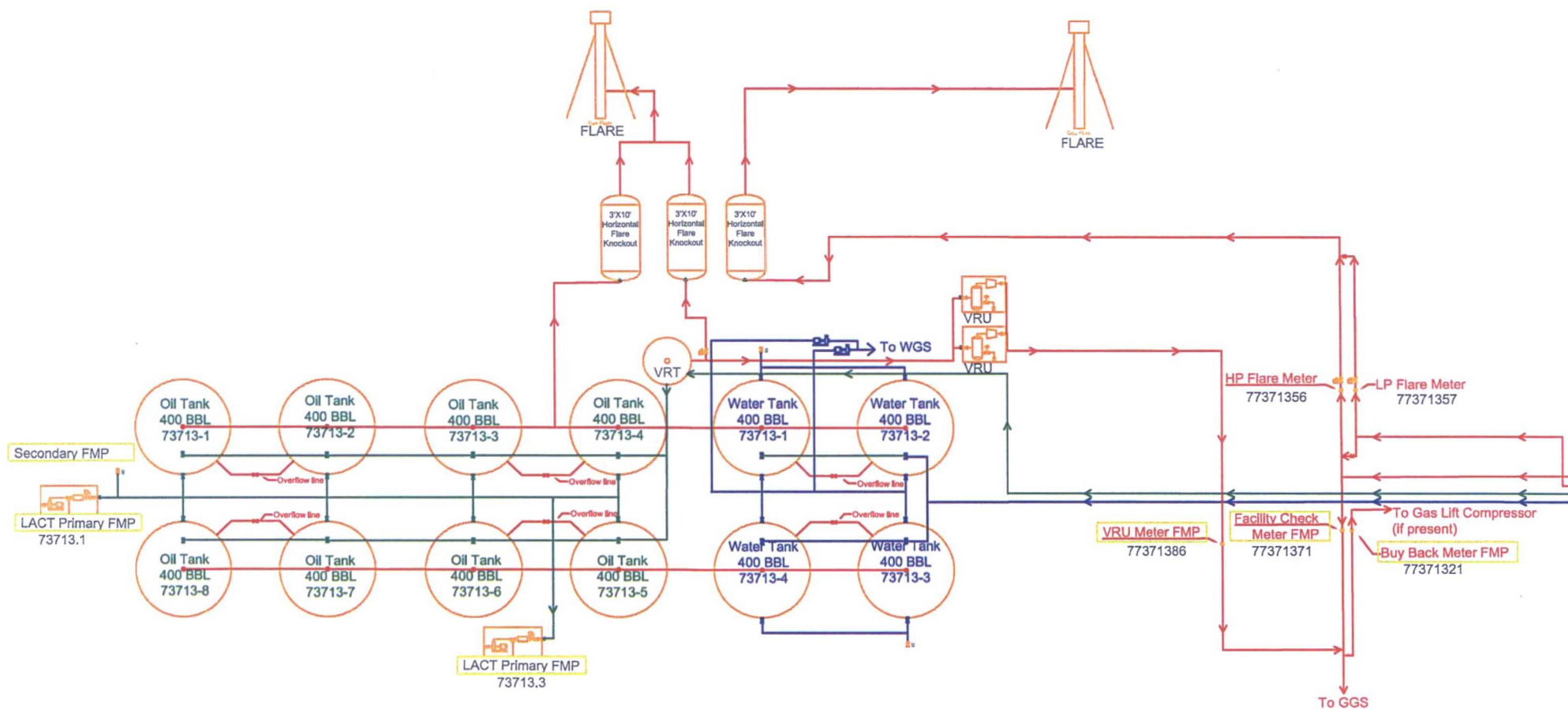
PRODUCTION PHASE: All valves that provide access to production are effectively sealed in the closed position.

SALES THROUGH LACT UNITS: Sale is measured through LACT units. All other valves that provide access to production (load-out valves) are effectively sealed in the closed position.

WATER TANKS: If the possibility for oil to enter water tanks exists through common recirculating or equalizing lines, oil tanks are isolated from water tanks by valves effectively sealed in the closed position.

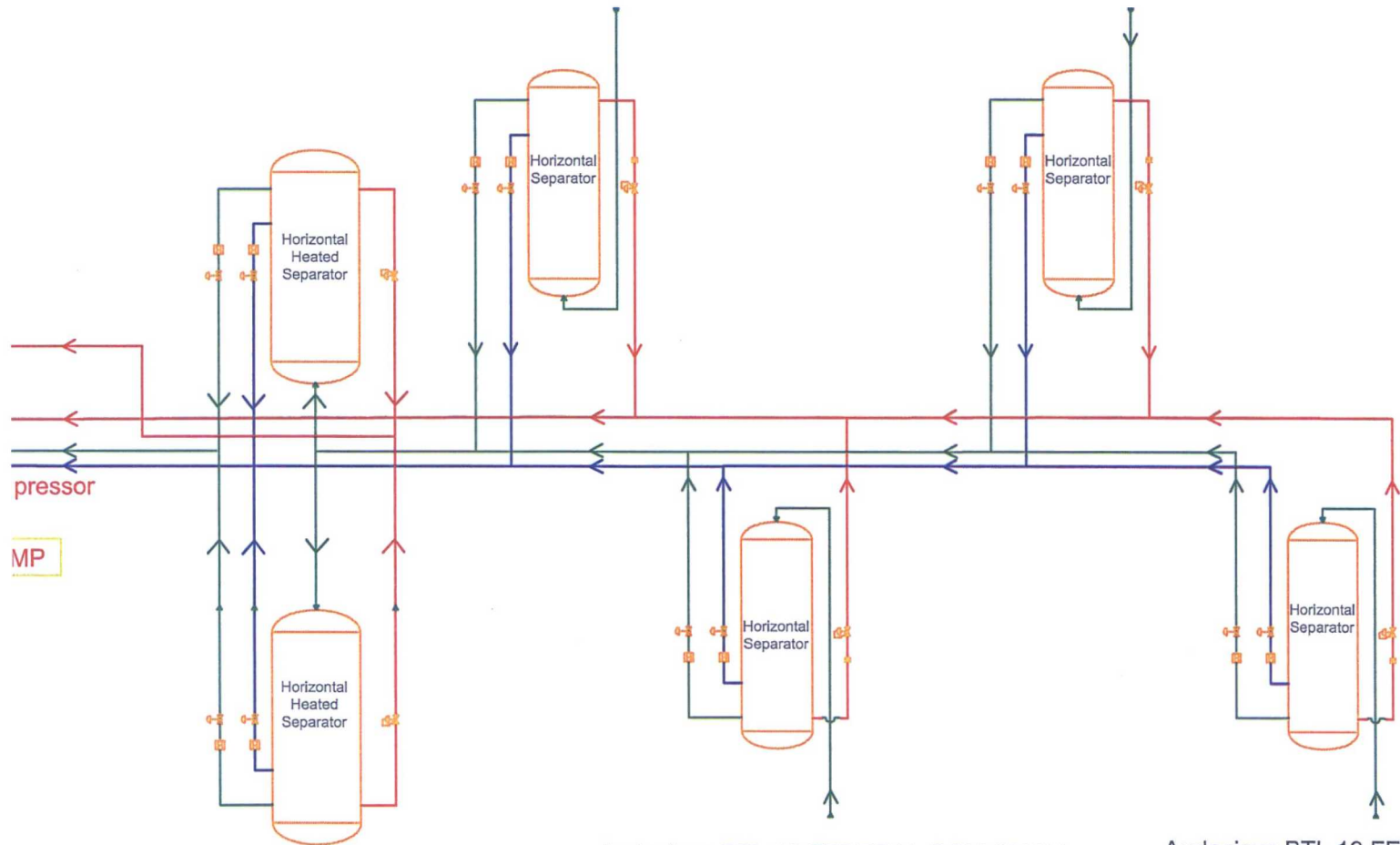


Facility Overview: Please see pages 2 and 3 for details.



Audacious BTL FEDERAL COM #002H
API 30-025-4343
GAS METER 77371301
OIL METER 10-105829

Audacious BTL 19 FEDERAL COM #004H
API 30-025-43865
GAS METER 77371303
OIL METER 10-73766



Audacious BTL 19 FEDERAL COM #003H
API 30-025-43864
GAS METER 77371302
OIL METER 10-73765

Audacious BTL 19 FEDERAL COM #005H
API 30-025-43866
GAS METER 77371304
OIL METER 10-73767