

Operator Name/Number: OXY USA WTP LP 192463
 Lease Name/Number: Anderson 35 #5H 40222
 Pool Name/Number: Red Tank Bone Spring 51683
 Surface Location: 960 FSL 100 FWL M Sec 35 T21S R32E Fee
 Top Perf: 956 FSL 330 FWL M Sec 35 T21S R32E
 Bottom Perf: 873 FSL 330 FEL P Sec 35 T21S R32E
 Bottom Hole Location: 870 FSL 180 FEL P Sec 35 T21S R32E

HOBBS OCD

SEP 18 2014

RECEIVED

C-102 Plats: 5/5/14 5/15/14 Elevation: 3685.1' GL Objective: 1st Bone Spring

Proposed TD: Horizontal Lateral 9910' TVD 14666' TMD
 SL - Lat: 32.4305353 Long: 103.6532481 X=709833.9 Y=521010.5 NAD - 1927
 TP - Lat: 32.4305269 Long: 103.6525027 X=710063.9 Y=521008.9 NAD - 1927
 BP - Lat: 32.4303564 Long: 103.6375267 X=714685.1 Y=520976.7 NAD - 1927
 BH - Lat: 32.4303508 Long: 103.6370406 X=714835.1 Y=520975.6 NAD - 1927

Casing Program:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
14-3/4"	0-1000'	11-3/4"	47	BT&C	J55	New	4.41	1.42	5.26
				Hole filled with 8.5# Mud			1514#	3072#	
10-5/8"	0-4750'	8-5/8"	32	LT&C	J-55	New	2.63	1.43	2.2
				Hole filled with 10.2# Mud			2533#	3928#	
7-7/8"	0-14666'	5-1/2"	17	BT&C	P-110	New	1.64	1.2	1.89
				Hole filled with 9.2# Mud			7480#	10640#	

Collapse and burst loads calculated using Stress Check with anticipated loads

Cement Program:

- 11-3/4" Surface Circulate cement to surface w/ 550sx PPC cmt w/ 1% CaCl₂ + 4% Bentonite + .25#/sx Poly-E-Flake, 13.5ppg 1.732 yield 892# 24hr CS 200% Excess followed by 300sx PPC cmt w/ 2% CaCl₂, 14.8ppg 1.336 yield 1091# 24hr CS 125% Excess
- 8-5/8" Intermediate Circulate cement to surface w/ 1230sx HES Light PPC cmt w/ 5% salt + .5% HR-800, 12.9ppg 1.85 yield 824# 24hr CS 200% Excess followed by 240sx PPC cmt, 14.8ppg 1.33 yield 1789# 24hr CS 200% Excess
- 5-1/2" Production Circulate cement w/ 920sx Tuned Light cmt w/ 3#/sx Kol-Seal + .125#/sx Poly-E-Flake + .65% SCR-100, 9.86 (10.2ppg downhole) 3.662 yield 788# 24hr CS 150% Excess followed by 885sx Super H cmt w/ 3#/sx salt + .3% CFR-3 + .5% Halad-344 + 2#/sx Kol-Seal, 13.2ppg 1.652 yield 1462# 24hr CS 50% Excess

Description of Cement Additives: Calcium Chloride, Salt (Accelerator); CFR-3 (Dispersant); Kol-Seal, Poly-E-Flake (Lost Circulation Additive); Halad-344 (Low Fluid Loss Control); SCR-100, HR-800 (Retarder)
 The above cement volumes could be revised pending the caliper measurement.

Proposed Mud Circulation System:

Depth	Mud Wt. ppg	Visc sec	Fluid Loss	Type System
0 - 1000'	8.5	28-38	NC	Fresh Water/Spud Mud
1000 - 4750'	10.2	28-32	NC	Fresh water/NaCl Brine
4750 - TD	9.2	28-34	NC	Cut Brine/Sweeps

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times.

BOP Program:

Surface None
 Intermediate/Production 13-5/8" 10M three ram stack w/ 5M annular preventer, 5M Choke Manifold

Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Geological Marker	Depth	Type
a. Rustler	967'	Formation
b. Top Salt	1322'	Formation
c. Delaware	4742'	Formation
d. Delaware-Bell Canyon	4852'	Oil/Gas
e. Delaware-Cherry Canyon	5702'	Oil/Gas
f. Delaware-Brushy Canyon	6902'	Oil/Gas
g. 1st Bone Spring	8732'	Oil/Gas
h. 2nd Bone Spring	10377'	Oil/Gas

Fresh water may be present above the Rustler formation. Surface casing will be set below the top of the Rustler, which will cover potential fresh water sources.

A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cuttings will be disposed of at an approved facility.

SPACING UNIT:

The following wells was drilled and is pending completion in the Bilbrey Delaware (5698).
 1. Anderson 35 #2H - 30-025-41495 - TVD-8602' - Units M-N-O-P - Brushy Canyon

SEP 19 2014

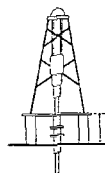


Azimuths to Grid North
True North: -0.36°
Magnetic North: 7.04°

Magnetic Field
Strength: 48373.2snT
Dip Angle: 60.28°
Date: 8/22/2014
Model: BGGM2014

To convert Magnetic North to Grid, Add 7.04°
To convert True North to Grid, Subtract 0.36°

Anderson 35 5H 5H
Lea County, New Mexico
Northing: (Y) 521010.50
Easting: (X) 709833.90
Plan #1



KB=25 @ 3710.10ust
Ground Level 5585.10

WELL DETAILS:

		Ground Level:	3685.10		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	521010.50	709833.90	32° 25' 49.927 N	103° 39' 11.693 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9337.04	0.00	0.00	9337.04	0.00	0.00	0.00	0.00	0.00	
10237.04	90.00	90.40	9910.00	-4.00	572.94	10.00	90.40	572.96	
14665.40	90.00	90.40	9910.00	-34.90	5001.20	0.00	0.00	5001.32	BHL (#5H)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
BHL (#5H)	9910.00	-34.90	5001.20	520975.60	714835.10
Bottom Perf (#5H)	9910.00	-33.80	4851.20	520976.70	714685.10
POP (#5H)	9910.00	-1.60	230.00	521008.90	710063.90

SITE DETAILS: Anderson 35 5H
Site Centre Northing: 521010.50
Easting: 709833.90

Positional Uncertainty: 0.00
Convergence: 0.36
Local North: Grid

PROJECT DETAILS: Lea County, New Mexico
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

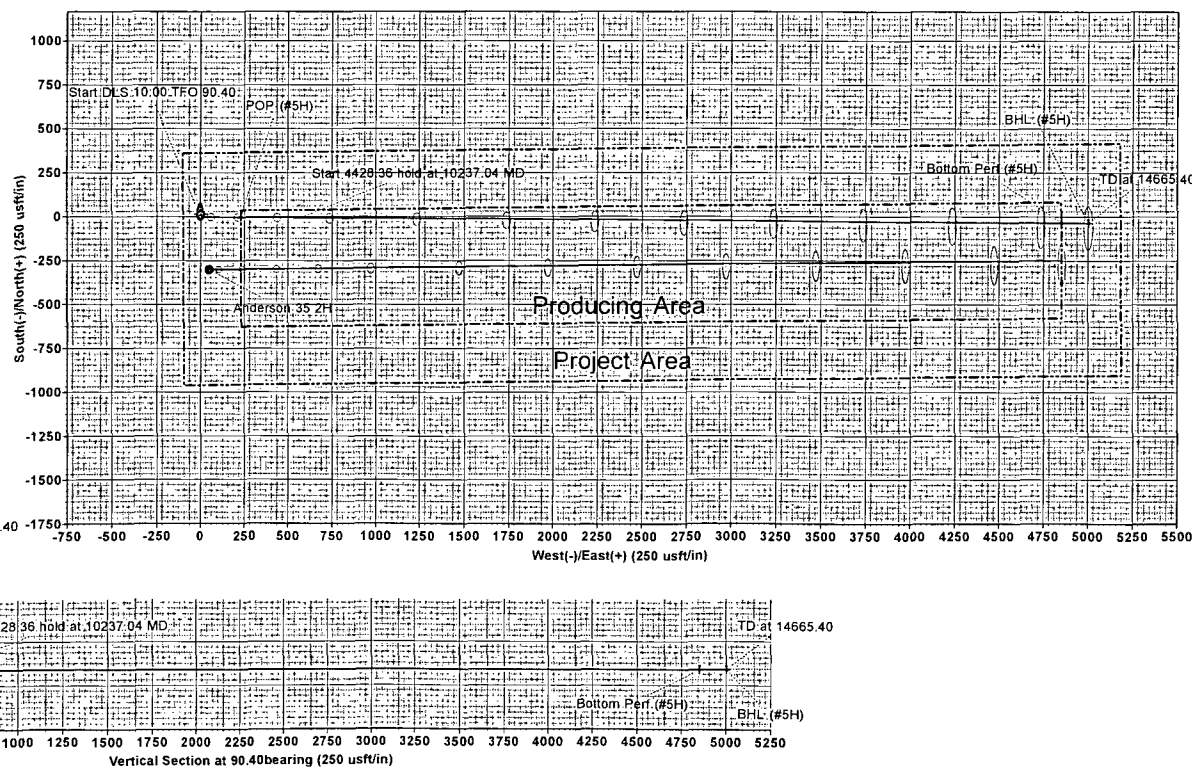
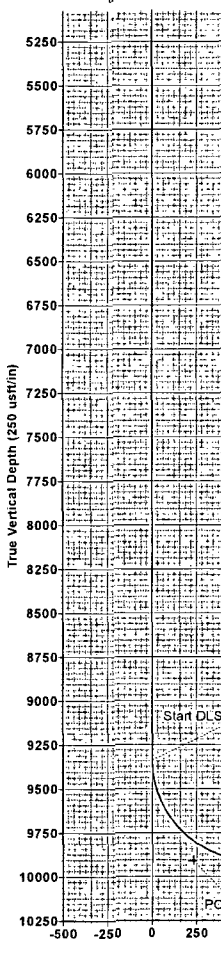
LEGEND

- Anderson 35 5H, Pilot Wellbore, Pilot Design #1 VO
- Anderson 35 2H, Wellbore #1, Design #2 VO
- Plan #1

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: New Mexico East 3001
Local Origin: Well 5H, Grid North
Latitude: 32° 25' 49.927 N
Longitude: 103° 39' 11.693 W
Grid East: 709833.90
Grid North: 521010.50
Scale Factor: 1.000

Geomagnetic Model: BGGM2014
Sample Date: 22-Aug-14
Magnetic Declination: 7.41°
Dip Angle from Horizontal: 60.28°
Magnetic Field Strength: 48373

To convert Magnetic North to Grid, Add 7.04°
To convert Magnetic North to True, Add 7.41° East
To convert True North to Grid, Subtract 0.36°





Planning Report



Database:	Midland District	Local Co-ordinate Reference:	Well 5H
Company:	OXY	TVD Reference:	KB=25 @ 3710.10usft
Project:	Lea County, New Mexico	MD Reference:	KB=25 @ 3710.10usft
Site:	Anderson 35 5H	North Reference:	Grid
Well:	5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Lea County, New Mexico		
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	Anderson 35 5H		
Site Position:	Map	Northing:	521,010.50 usft
From:		Easting:	709,833.90 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 25' 49.927 N
		Longitude:	103° 39' 11.693 W
		Grid Convergence:	0.36 °

Well	5H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 25' 49.927 N
		Longitude:	103° 39' 11.693 W
		Ground Level:	3,685.10 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2014	8/22/2014	7.41
			Dip Angle
			(°)
			60.28
			Field Strength
			(nT)
			48,373

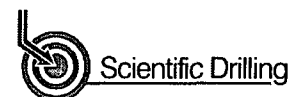
Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(bearing)
			90.40

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9,337.04	0.00	0.00	9,337.04	0.00	0.00	0.00	0.00	0.00	0.00	
10,237.04	90.00	90.40	9,910.00	-4.00	572.94	10.00	10.00	10.04	90.40	
14,665.40	90.00	90.40	9,910.00	-34.90	5,001.20	0.00	0.00	0.00	0.00	BHL (#5H)



Database:	Midland District	Local Co-ordinate Reference:	Well 5H
Company:	OXY	TVD Reference:	KB=25 @ 3710.10usft
Project:	Lea County, New Mexico	MD Reference:	KB=25 @ 3710.10usft
Site:	Anderson 35 5H	North Reference:	Grid
Well:	5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build 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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00



Database:	Midland District	Local Co-ordinate Reference:	Well 5H
Company:	OXY	TVD Reference:	KB=25 @ 3710.10usft
Project:	Lea County, New Mexico	MD Reference:	KB=25 @ 3710.10usft
Site:	Anderson 35 5H	North Reference:	Grid
Well:	5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,337.04	0.00	0.00	9,337.04	0.00	0.00	0.00	0.00	0.00	0.00
9,350.00	1.30	90.40	9,350.00	0.00	0.15	0.15	10.00	10.00	0.00
9,400.00	6.30	90.40	9,399.87	-0.02	3.46	3.46	10.00	10.00	0.00
9,450.00	11.30	90.40	9,449.27	-0.08	11.10	11.10	10.00	10.00	0.00
9,500.00	16.30	90.40	9,497.81	-0.16	23.02	23.02	10.00	10.00	0.00
9,550.00	21.30	90.40	9,545.13	-0.27	39.12	39.12	10.00	10.00	0.00
9,600.00	26.30	90.40	9,590.87	-0.41	59.29	59.29	10.00	10.00	0.00
9,650.00	31.30	90.40	9,634.67	-0.58	83.37	83.37	10.00	10.00	0.00
9,700.00	36.30	90.40	9,676.21	-0.78	111.17	111.17	10.00	10.00	0.00
9,750.00	41.30	90.40	9,715.16	-0.99	142.49	142.49	10.00	10.00	0.00
9,800.00	46.30	90.40	9,751.24	-1.24	177.08	177.08	10.00	10.00	0.00
9,850.00	51.30	90.40	9,784.17	-1.50	214.68	214.69	10.00	10.00	0.00
9,900.00	56.30	90.40	9,813.69	-1.78	255.02	255.02	10.00	10.00	0.00
9,950.00	61.30	90.40	9,839.59	-2.08	297.77	297.77	10.00	10.00	0.00



Database:	Midland District	Local Co-ordinate Reference:	Well 5H
Company:	OXY	TVD Reference:	KB=25 @ 3710.10usft
Project:	Lea County, New Mexico	MD Reference:	KB=25 @ 3710.10usft
Site:	Anderson 35 5H	North Reference:	Grid
Well:	5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

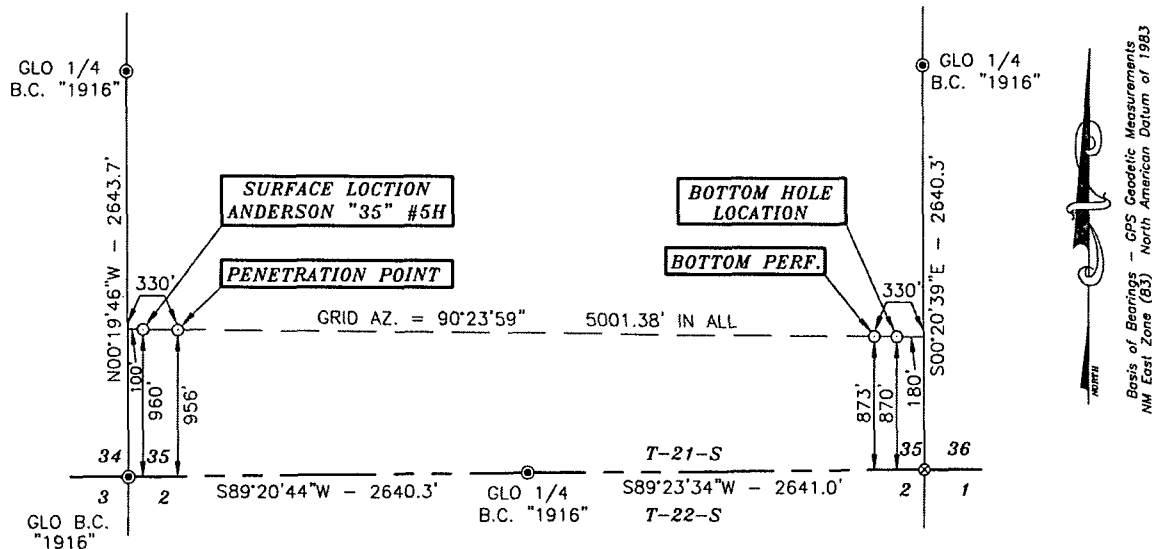
Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,000.00	66.30	90.40	9,861.66	-2.39	342.61	342.62	10.00	10.00	0.00	
10,050.00	71.30	90.40	9,879.74	-2.72	389.21	389.22	10.00	10.00	0.00	
10,100.00	76.30	90.40	9,893.69	-3.05	437.21	437.22	10.00	10.00	0.00	
10,150.00	81.30	90.40	9,903.40	-3.39	486.24	486.25	10.00	10.00	0.00	
10,200.00	86.30	90.40	9,908.80	-3.74	535.93	535.94	10.00	10.00	0.00	
10,237.04	90.00	90.40	9,910.00	-4.00	572.94	572.96	10.00	10.00	0.00	
10,300.00	90.00	90.40	9,910.00	-4.44	635.90	635.92	0.00	0.00	0.00	
10,400.00	90.00	90.40	9,910.00	-5.14	735.90	735.92	0.00	0.00	0.00	
10,500.00	90.00	90.40	9,910.00	-5.83	835.90	835.92	0.00	0.00	0.00	
10,600.00	90.00	90.40	9,910.00	-6.53	935.90	935.92	0.00	0.00	0.00	
10,700.00	90.00	90.40	9,910.00	-7.23	1,035.89	1,035.92	0.00	0.00	0.00	
10,800.00	90.00	90.40	9,910.00	-7.93	1,135.89	1,135.92	0.00	0.00	0.00	
10,900.00	90.00	90.40	9,910.00	-8.62	1,235.89	1,235.92	0.00	0.00	0.00	
11,000.00	90.00	90.40	9,910.00	-9.32	1,335.89	1,335.92	0.00	0.00	0.00	
11,100.00	90.00	90.40	9,910.00	-10.02	1,435.88	1,435.92	0.00	0.00	0.00	
11,200.00	90.00	90.40	9,910.00	-10.72	1,535.88	1,535.92	0.00	0.00	0.00	
11,300.00	90.00	90.40	9,910.00	-11.42	1,635.88	1,635.92	0.00	0.00	0.00	
11,400.00	90.00	90.40	9,910.00	-12.11	1,735.88	1,735.92	0.00	0.00	0.00	
11,500.00	90.00	90.40	9,910.00	-12.81	1,835.87	1,835.92	0.00	0.00	0.00	
11,600.00	90.00	90.40	9,910.00	-13.51	1,935.87	1,935.92	0.00	0.00	0.00	
11,700.00	90.00	90.40	9,910.00	-14.21	2,035.87	2,035.92	0.00	0.00	0.00	
11,800.00	90.00	90.40	9,910.00	-14.90	2,135.87	2,135.92	0.00	0.00	0.00	
11,900.00	90.00	90.40	9,910.00	-15.60	2,235.86	2,235.92	0.00	0.00	0.00	
12,000.00	90.00	90.40	9,910.00	-16.30	2,335.86	2,335.92	0.00	0.00	0.00	
12,100.00	90.00	90.40	9,910.00	-17.00	2,435.86	2,435.92	0.00	0.00	0.00	
12,200.00	90.00	90.40	9,910.00	-17.70	2,535.86	2,535.92	0.00	0.00	0.00	
12,300.00	90.00	90.40	9,910.00	-18.39	2,635.85	2,635.92	0.00	0.00	0.00	
12,400.00	90.00	90.40	9,910.00	-19.09	2,735.85	2,735.92	0.00	0.00	0.00	
12,500.00	90.00	90.40	9,910.00	-19.79	2,835.85	2,835.92	0.00	0.00	0.00	
12,600.00	90.00	90.40	9,910.00	-20.49	2,935.85	2,935.92	0.00	0.00	0.00	
12,700.00	90.00	90.40	9,910.00	-21.19	3,035.84	3,035.92	0.00	0.00	0.00	
12,800.00	90.00	90.40	9,910.00	-21.88	3,135.84	3,135.92	0.00	0.00	0.00	
12,900.00	90.00	90.40	9,910.00	-22.58	3,235.84	3,235.92	0.00	0.00	0.00	
13,000.00	90.00	90.40	9,910.00	-23.28	3,335.84	3,335.92	0.00	0.00	0.00	
13,100.00	90.00	90.40	9,910.00	-23.98	3,435.83	3,435.92	0.00	0.00	0.00	
13,200.00	90.00	90.40	9,910.00	-24.67	3,535.83	3,535.92	0.00	0.00	0.00	
13,300.00	90.00	90.40	9,910.00	-25.37	3,635.83	3,635.92	0.00	0.00	0.00	
13,400.00	90.00	90.40	9,910.00	-26.07	3,735.83	3,735.92	0.00	0.00	0.00	
13,500.00	90.00	90.40	9,910.00	-26.77	3,835.82	3,835.92	0.00	0.00	0.00	
13,600.00	90.00	90.40	9,910.00	-27.47	3,935.82	3,935.92	0.00	0.00	0.00	
13,700.00	90.00	90.40	9,910.00	-28.16	4,035.82	4,035.92	0.00	0.00	0.00	
13,800.00	90.00	90.40	9,910.00	-28.86	4,135.82	4,135.92	0.00	0.00	0.00	
13,900.00	90.00	90.40	9,910.00	-29.56	4,235.81	4,235.92	0.00	0.00	0.00	
14,000.00	90.00	90.40	9,910.00	-30.26	4,335.81	4,335.92	0.00	0.00	0.00	
14,100.00	90.00	90.40	9,910.00	-30.95	4,435.81	4,435.92	0.00	0.00	0.00	
14,200.00	90.00	90.40	9,910.00	-31.65	4,535.81	4,535.92	0.00	0.00	0.00	
14,300.00	90.00	90.40	9,910.00	-32.35	4,635.81	4,635.92	0.00	0.00	0.00	
14,400.00	90.00	90.40	9,910.00	-33.05	4,735.80	4,735.92	0.00	0.00	0.00	
14,500.00	90.00	90.40	9,910.00	-33.75	4,835.80	4,835.92	0.00	0.00	0.00	
14,600.00	90.00	90.40	9,910.00	-34.44	4,935.80	4,935.92	0.00	0.00	0.00	
14,665.40	90.00	90.40	9,910.00	-34.90	5,001.20	5,001.32	0.00	0.00	0.00	



Database:	Midland District	Local Co-ordinate Reference:	Well 5H
Company:	OXY	TVD Reference:	KB=25 @ 3710.10usft
Project:	Lea County, New Mexico	MD Reference:	KB=25 @ 3710.10usft
Site:	Anderson 35 5H	North Reference:	Grid
Well:	5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(bearing)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
BHL (#5H)	0.00	0.00	9,910.00	-34.90	5,001.20	520,975.60	714,835.10	32° 25' 49.263 N	103° 38' 13.346 W
- plan hits target center									
- Point									
Bottom Perf (#5H)	0.00	0.00	9,910.00	-33.80	4,851.20	520,976.70	714,685.10	32° 25' 49.283 N	103° 38' 15.096 W
- plan misses target center by 0.05usft at 14515.40usft MD (9910.00 TVD, -33.85 N, 4851.20 E)									
- Point									
POP (#5H)	0.00	0.00	9,910.00	-1.60	230.00	521,008.90	710,063.90	32° 25' 49.896 N	103° 39' 9.010 W
- plan misses target center by 94.80usft at 9928.51usft MD (9828.91 TVD, -1.95 N, 279.11 E)									
- Point									

SECTION 35, TOWNSHIP 21 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY
NEW MEXICO



DRIVING DIRECTIONS:
 BEGINNING AT THE INTERSECTION OF HWY. #128
 AND COUNTY ROAD #798 (RED ROAD), GO NORTH
 ON COUNTY ROAD #798 FOR 7.3 MILES, TURN
 RIGHT ON CALICHE ROAD AND GO NORTHEAST FOR
 2.7 MILES, CONTINUE EAST SOUTHEAST FOR 2.5
 MILES, CONTINUE NORTHEAST FOR 2.0 MILES,
 TURN LEFT AND GO NORTH FOR 3.0 MILES, TURN
 RIGHT AND GO EAST FOR 77.6 FEET, TURN LEFT
 ON PROPOSED ROAD AND GO NORTH FOR 284.9
 FEET TO LOCATION.

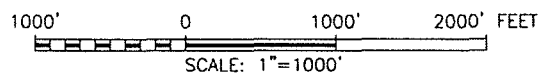


SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR
 NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM
 RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS
 TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND
 BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR
 SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW
 MEXICO STATE BOARD OF REGISTRATION FOR
 PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 5/15/2014
 Terry J. Asel, N.M. R.P.L.S. No. 15079

LEGEND
 ● - DENOTES FOUND MONUMENT AS NOTED
 ⊗ - DENOTES CALCULATED CORNER



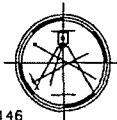
OXY USA INC.

ANDERSON "35" #5H LOCATED AT
 960' FSL & 100' FWL IN SECTION 35,
 TOWNSHIP 21 SOUTH, RANGE 32 EAST,
 N.M.P.M., LEA COUNTY, NEW MEXICO

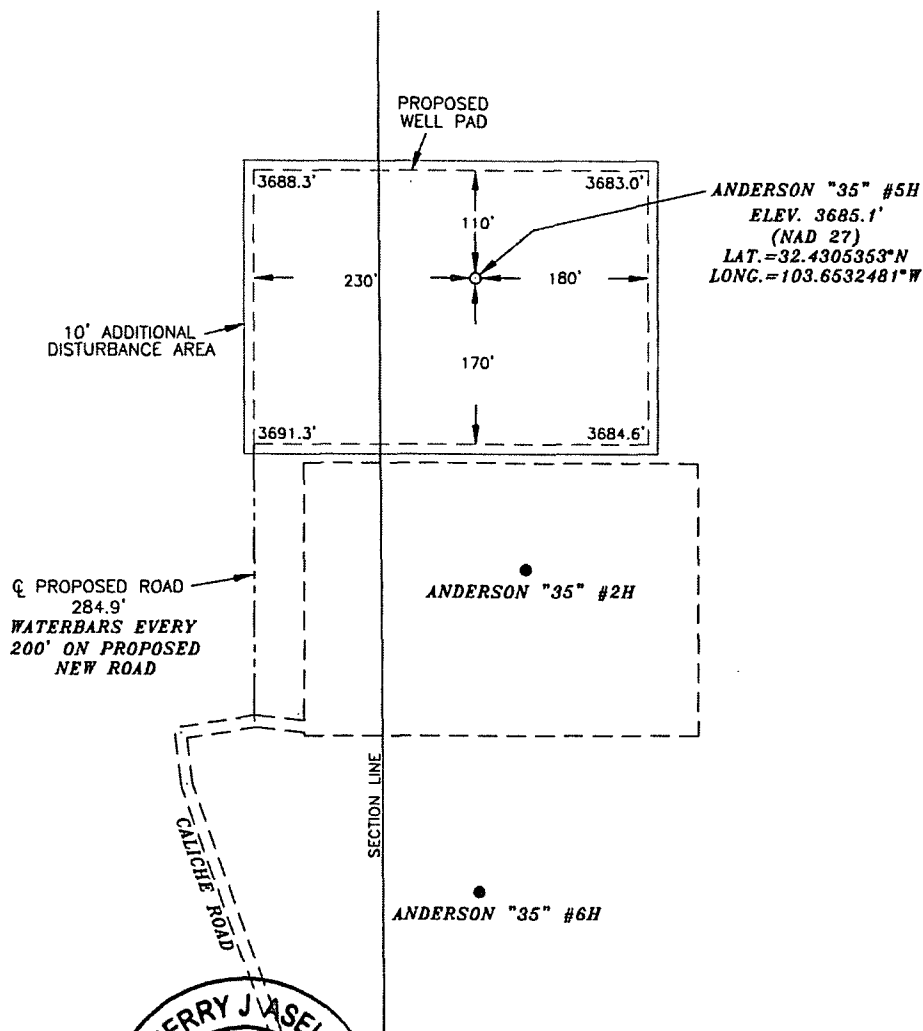
Survey Date: 05/05/14	Sheet 1 of 1 Sheets
W.O. Number: 140505WL-a	Drawn By: KA Rev:
Date: 05/13/14	140505WL-a Scale: 1"=1000'

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
 HOBBS, NEW MEXICO - 575-393-9146



OXY USA INC. ANDERSON "35" #5H SITE PLAN



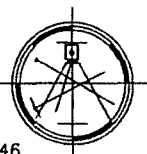
SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 3/15/2014
Terry J. Asel, N.M. R.P.L.S. No. 15079

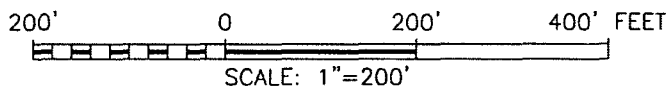
Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



LEGEND

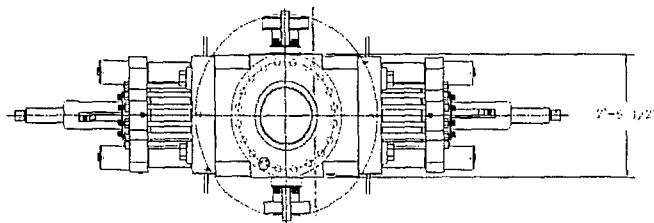
--- DENOTES PROPOSED WELL PAD
--- DENOTES PROPOSED ROAD



OXY USA INC.

ANDERSON "35" #5H WELL PAD LOCATED AT
960' FSL & 100' FWL IN SECTION 35,
TOWNSHIP 21 SOUTH, RANGE 32 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 05/05/14	Sheet 1 of 1 Sheets
W.O. Number: 140505WL-a	Drawn By: KA Rev:
Date: 05/13/14	140505WL-a Scale: 1"=200'



- LEGEND:
- ① - 4 1/16"-10M FLANGED END GATE VALVE
 - ② - 4 1/16"-10M FLANGED END GATE VALVE WITH DOUBLE ACTING HYDRAULIC ACTUATOR
 - ③ - 2 1/16"-10M FLANGED END GATE VALVE
 - ④ - 2 1/16"-10M FLANGED END GATE VALVE
 - ⑤ - DOUBLE STUDDED RAMMER

SHAFFER RATED-COVER/SPHERICAL
ANNULAR PREVENTER, API 19A
MONOGRAMMED, 13 5/8"-10M WH,
104 BOTTOM FLANGE, 10M
STUDDED TOP (WEIGHT = 14,500
LBS WITH SHAFFER API 19A ROT
OIL RESISTANT ADAPTERSIBLE
ELEVATOR)

CAMERON LW DOUBLE
RAM-TYPE PREVENTER, API 19A
MONOGRAMMED, 13 5/8"-10M WH,
WITH 5" CAMERON PIPE
RAMS (CAMRAM FRONT HALLERS
& TOP SEALS) IN TOP CAVITY
AND CAMERON LW SHEARING
HUNG RAMS IN BOTTOM CAVITY
BOTTOM FLANGE & STUDDED
TOP (WEIGHT = 21,100 LBS
WITH RAMS)

13 5/8"-10M WP
CAMERON DRILLING SPOOL
(API 19A MONOGRAMMED),
STUDDED TOP & FLANGED BOTTOM
WITH 4 1/16"-10M WP FLANGED OUTLETS
(WEIGHT APPROXIMATELY 5,000 LBS)

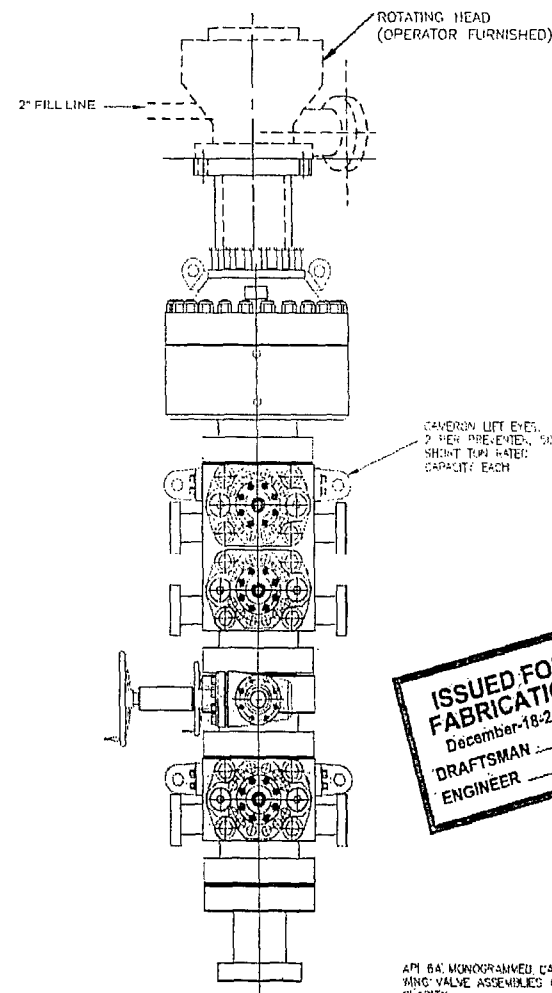
CAMERON LW SINGLE RAM-TYPE
PREVENTER (API 19A
MONOGRAMMED, 13 5/8"-10M WH),
WITH 5" CAMERON PIPE RAMS
(CAMRAM FRONT HALLERS & TOP
SEALS) BOTTOM FLANGE
STUDDED TOP
WEIGHT = 10,900 LBS

HAP FURNISHED
13 5/8"-10M x 13 5/8"-5M
ADAPTER SPOOL 2'-0" LONG

13 5/8 - 10M BOP STACK WITH 13 5/8 - 5M ANNULAR

PROPRIETARY

THIS DRAWING AND THE IDEAS AND INFORMATION INCLUDED
HEREIN ARE PROPRIETARY AND ARE NOT TO BE
REPRODUCED, DISSEMINATED OR OTHERWISE USED IN ANY MANNER
WITHOUT THE PRIOR WRITTEN CONSENT OF A DULY AUTHORIZED
OFFICER OF HELMERICH & PAYNE INTERNATIONAL DRILLING CO.



CAMERON LIFT EYES,
2 PER PREVENTER, 50
SHORT TON RATED
CAPACITY EACH

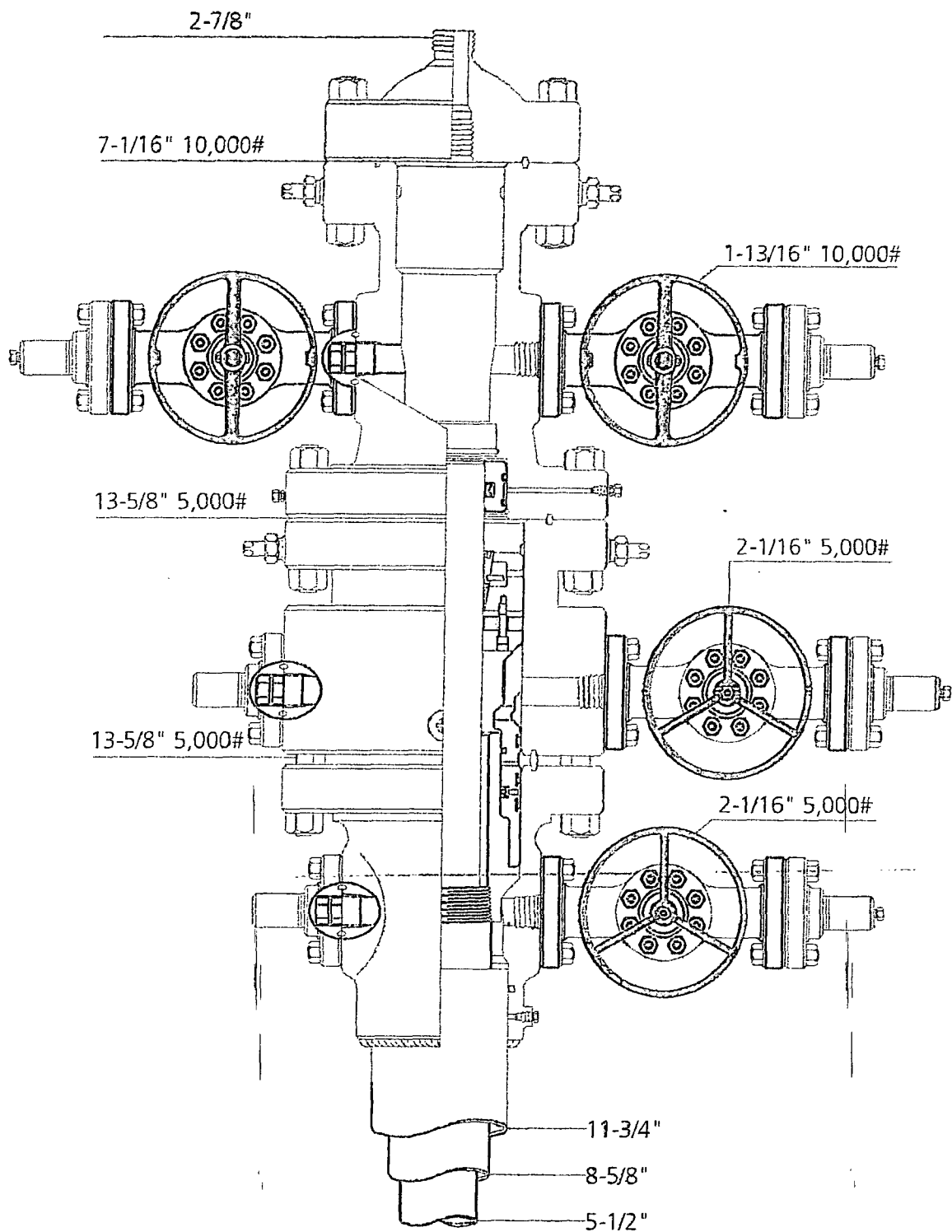
ISSUED FOR
FABRICATION
December-18-2007
DRAFTSMAN
ENGINEER

API 19A MONOGRAMMED CAMERON CHOKER AND KILL
ING VALVE ASSEMBLIES ARE NOT SHOWN FOR
CLARITY

WEIGHTS DO NOT INCLUDE HOSES, ADAPTER SPOOLS
OR QUICK CONNECT FITTINGS

ENGINEERING APPROVAL		DATE	TITLE
DESIGNED	12/18/07	ADD SHEET 03	JAY
DESIGNED	4-10-07	CAMERON ADDED TOGGLE DRIVEN ADAPTER W/SEALS, 2" A, 3" AND 4" HOSES, MUX ADDED	JNG
DESIGNED	4-04-07	ADDED TO "SPACER ADAPTER" SPOOL	JNG
DESIGNED	02-07-07	ADDED ADAPTER SPOOL	JNG
DESIGNED	06-13-02	CORRECTED BOP STACK	JNG
REV	DATE	DESCRIPTION	BY
SCALE	3/4"=1'	SHEET 1 OF 3	210-P1-07
PROJECT	FLEXRIG3		
CUSTOMER	HAP		
DATE	12-5-07	ENG. NO.	210-P1-07
REV	E		

210-P1-07

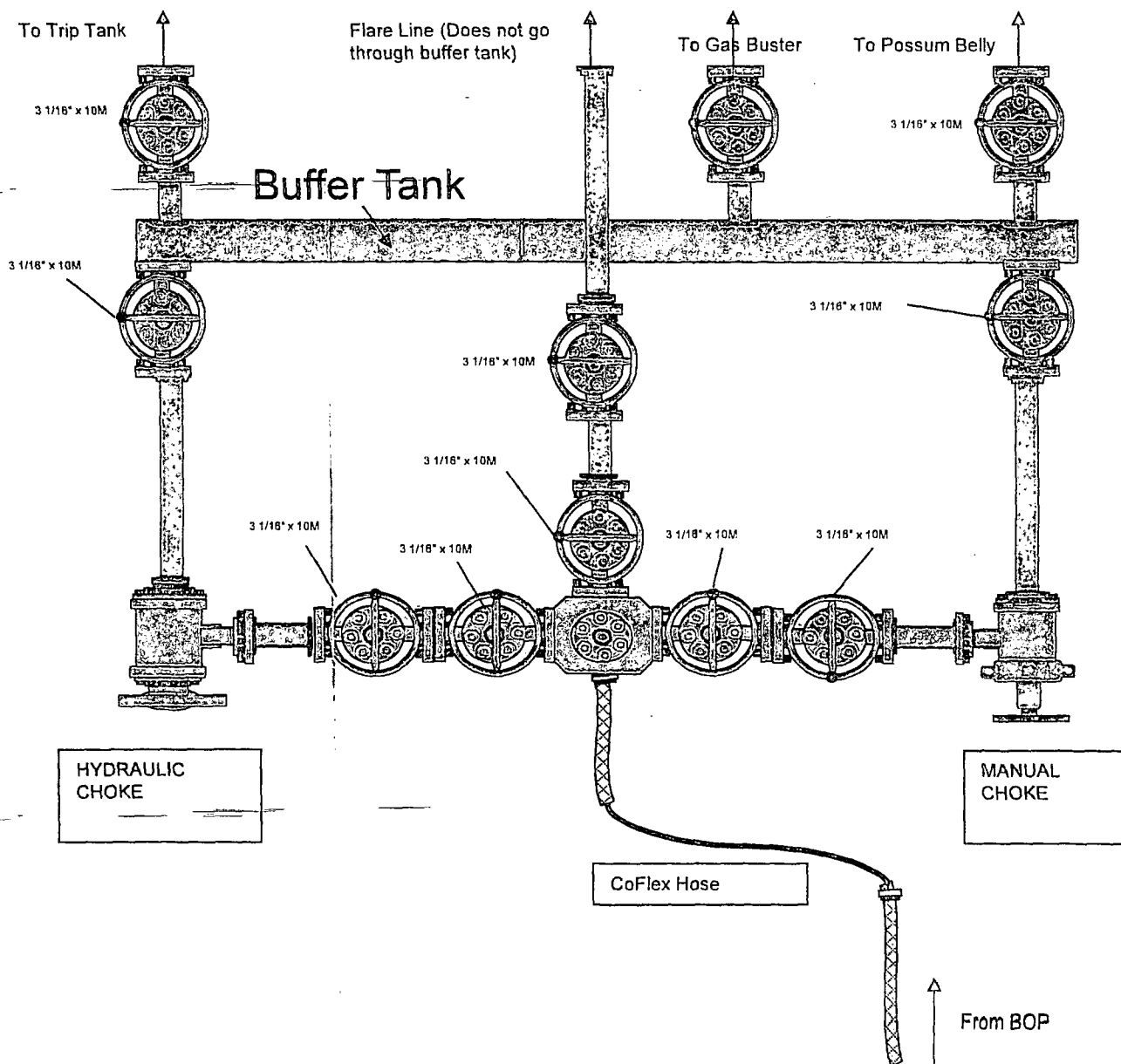


Permian Basin
MBS

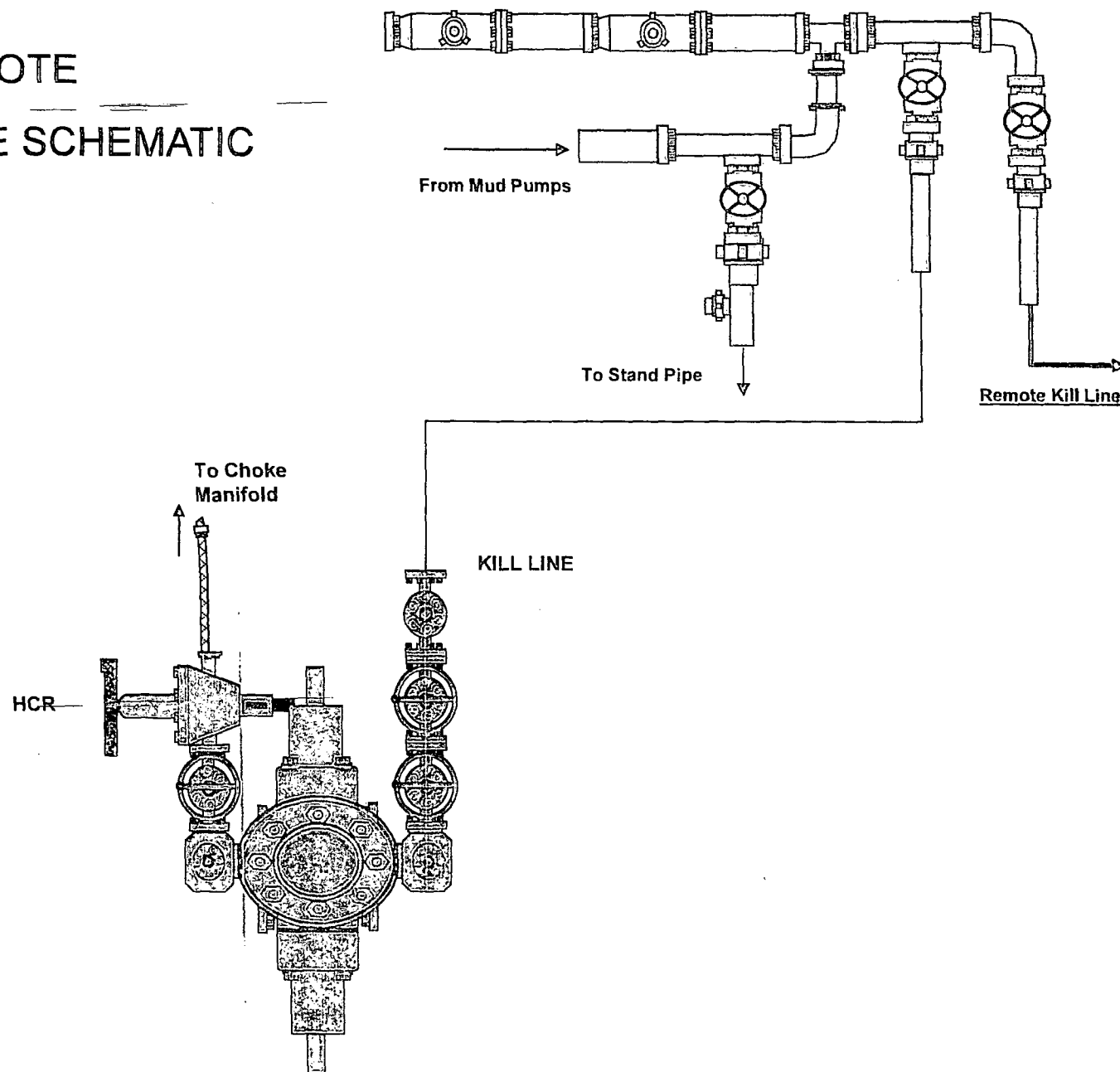


NAME: Jeanette	DATE: 1-31-13	FLANGING PRESSURE: #	21073221
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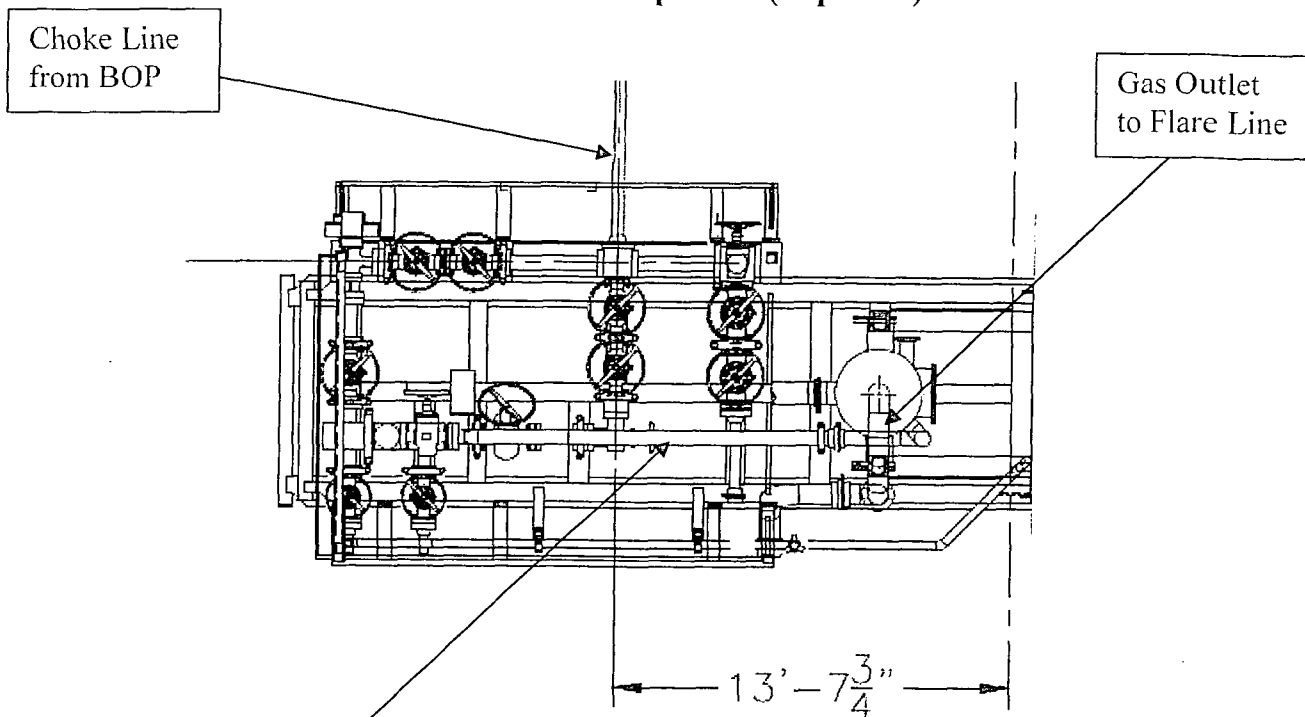
FLEX3 STD CHOKE MANIFOLD (COMPREHENSIVE)



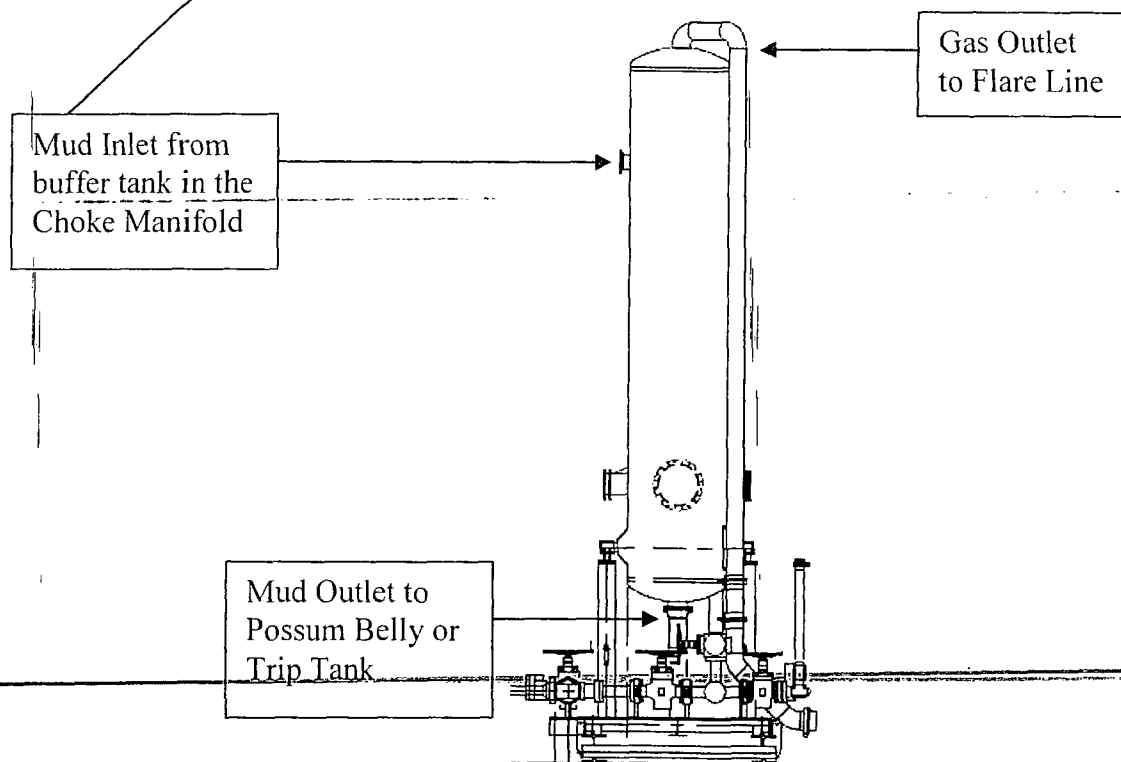
10M REMOTE KILL LINE SCHEMATIC



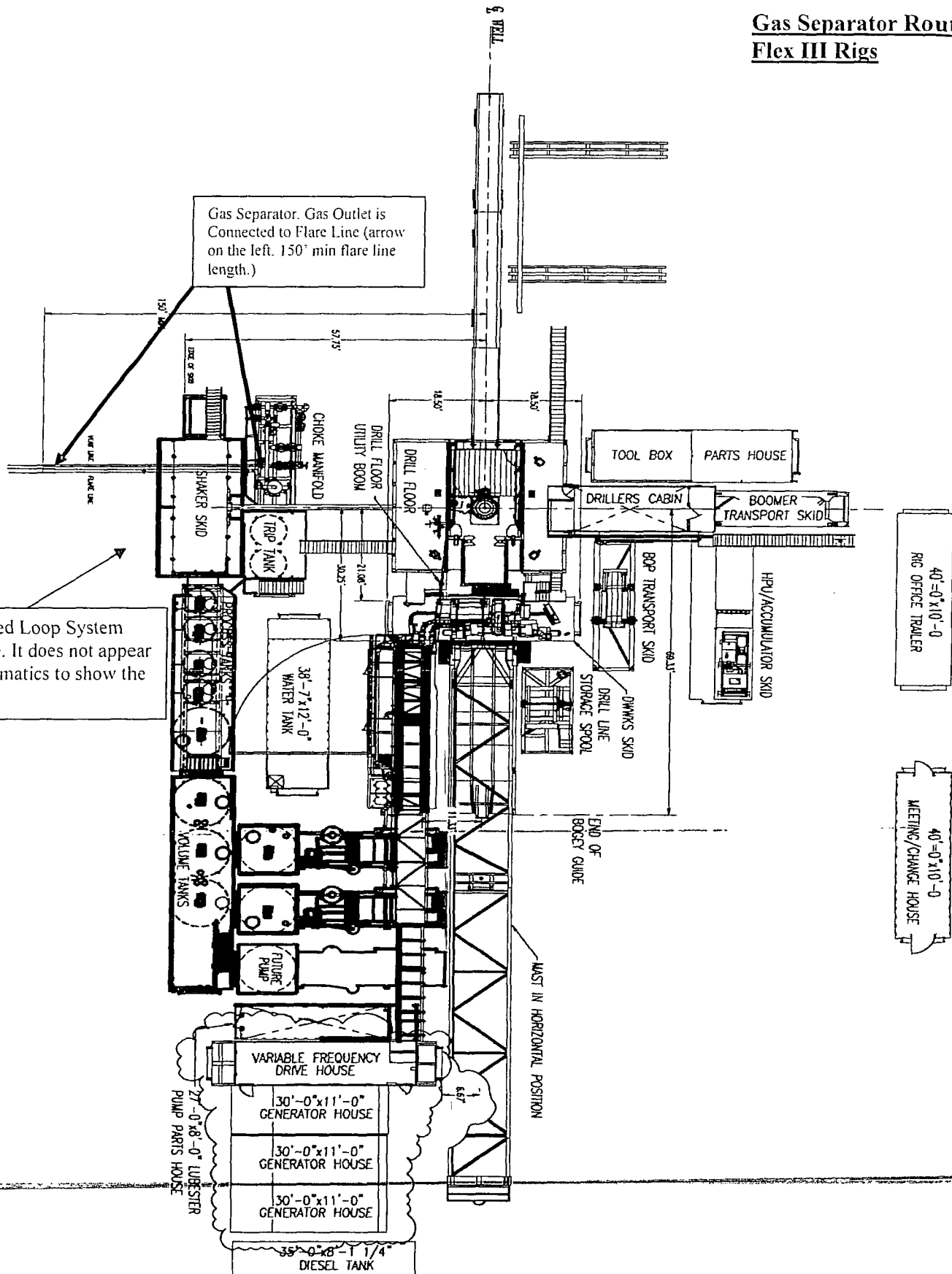
Choke Manifold – Gas Separator (Top View)



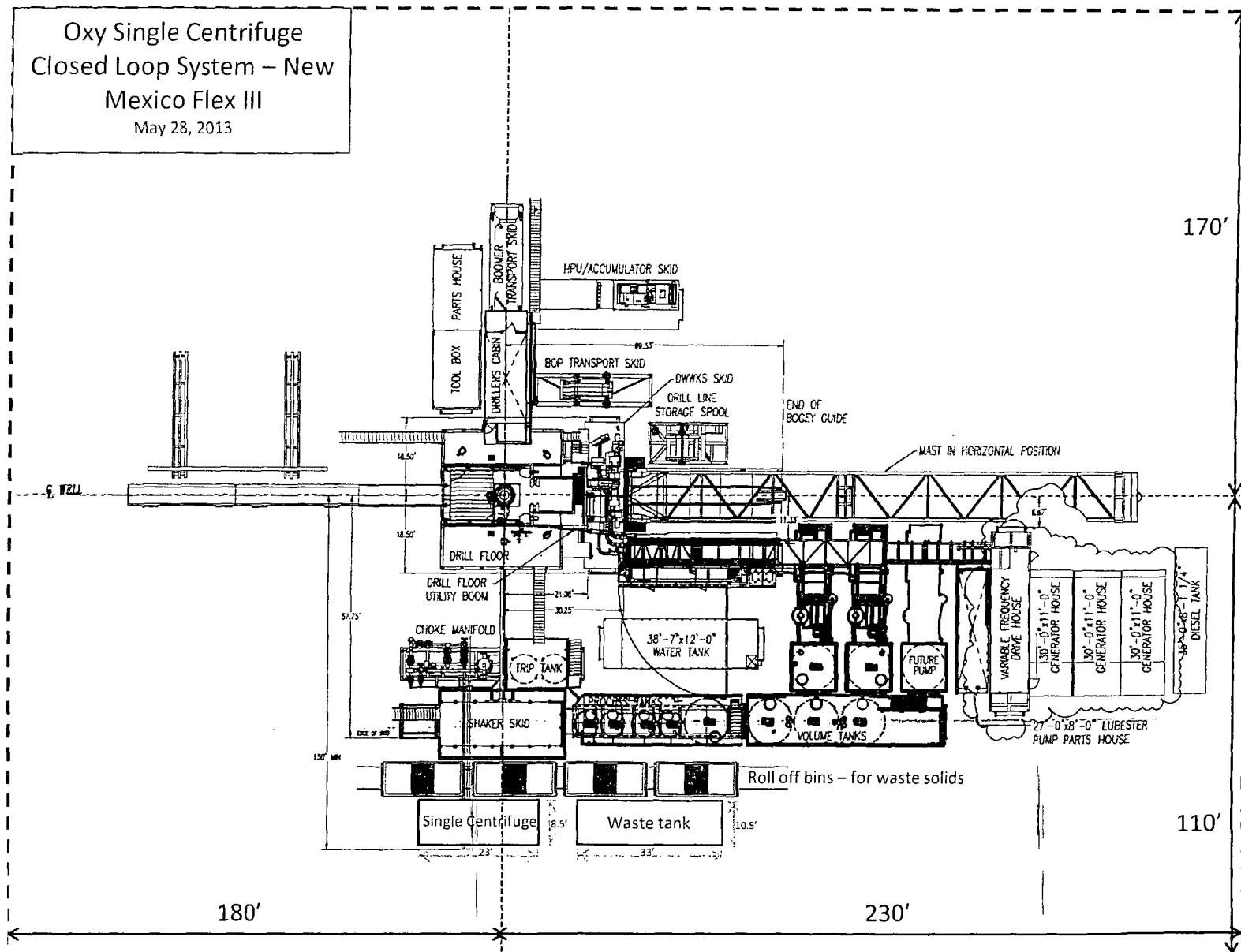
Choke Manifold – Gas Separator (Side View)



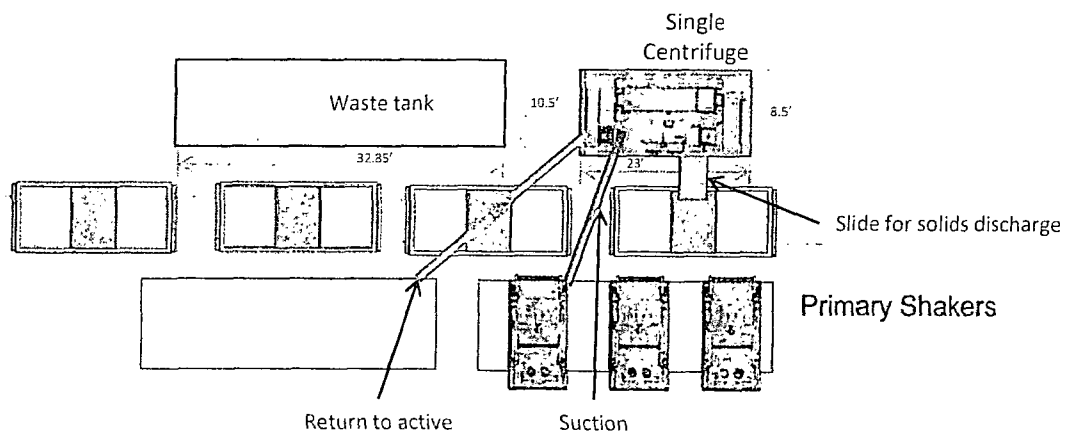
Gas Separator Routing



Oxy Single Centrifuge
Closed Loop System – New
Mexico Flex III
May 28, 2013



Oxy



Well Head

Oxy Single Centrifuge
Closed Loop System – New
Mexico Flex III
May 28, 2013