

OGX Resources

Lea County, Nemixico (Nad27)

Bufflehead 10 Federal

Bufflehead 10 Fed 1H

Wellbore #1

Plan: Plan #1 101911

OGX Resources

19 October, 2011



30-025-40423



Project: Lea County, Nemixico (Nad27)
Site: Bufflehead 10 Fed 1H
Well: Bufflehead 10 Fed 1H
Wellbore: Wellbore #1
Plan: Plan #1 101911
Rig: Silver Oak 11

WELL DETAILS Bufflehead 10 Fed 1H

Ground Level: 3258.00
 Northing: 387647.70 Easting: 708869.00 Latitude: 32° 3' 50.275 N Longitude: 103° 39' 32.721 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeal
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8972.54	0.00	0.00	8972.54	0.00	0.00	0.00	0.00	0.00
9722.54	90.00	179.31	9450.00	-477.43	5.78	12.00	179.31	477.46
13936.51	90.00	179.31	9450.00	-4691.10	56.80	0.00	0.00	4691.44

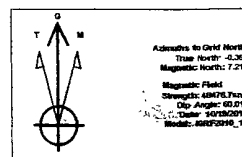
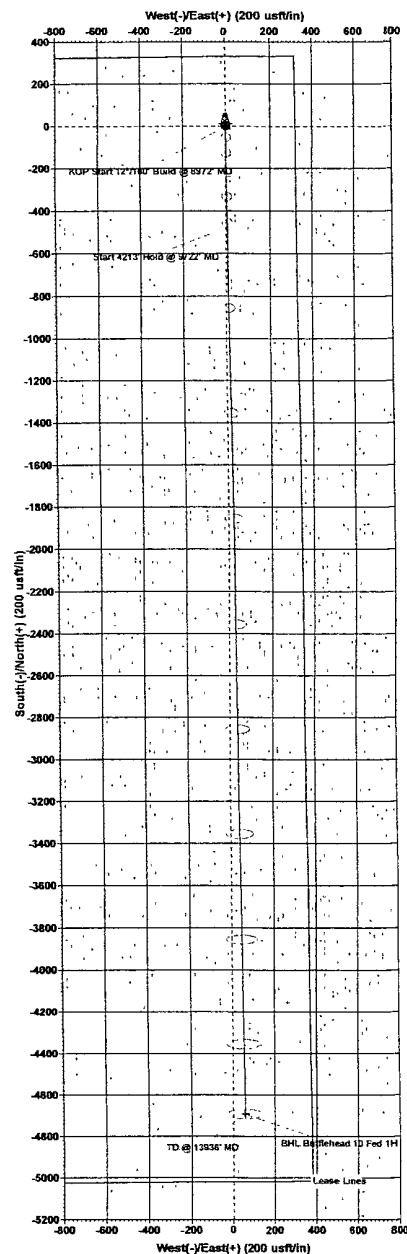
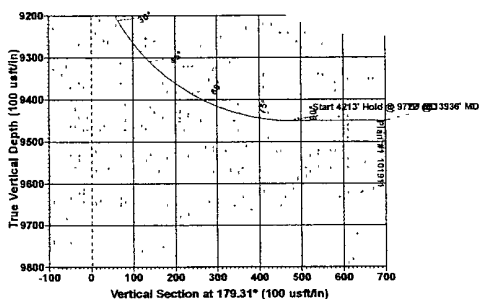
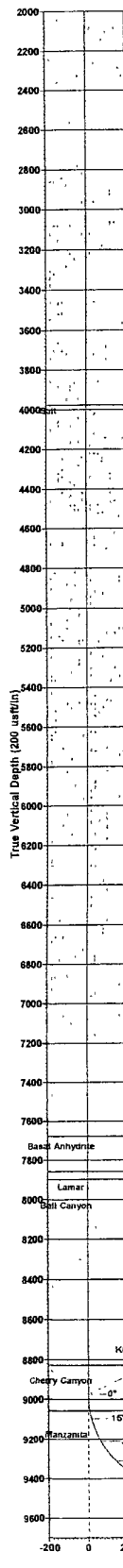
BHL Bufflehead 10 Fed 1H

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3976.00	3976.00	Salt
7676.00	7676.00	Basal Anhydrite
7856.00	7856.00	Lamar
7896.00	7896.00	Bell Canyon
8826.00	8826.00	Cherry Canyon
9056.00	9056.43	Manzanita

ANNOTATIONS

TVD	MD	Annotation
8972.54	8972.54	KOP Start 12°/100' Build @ 8972' MD
9450.00	9722.54	Start 4213' Hold @ 9722' MD
9450.00	13936.51	TD @ 13936' MD



Phoenix Technology Services

OGX Resources



Company:	OGX Resources	Local Co-ordinate Reference:	Well Bufflehead 10 Fed 1H
Project:	Lea County, Nemxico (Nad27)	TVD Reference:	WELL @ 3276.00usft (Original Well Elev + 18' KB)
Site:	Bufflehead 10 Federal	MD Reference:	WELL @ 3276.00usft (Original Well Elev + 18' KB)
Well:	Bufflehead 10 Fed 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 101911	Database:	GCR DB v5000

Project Lea County, Nemxico (Nad27)

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site Bufflehead 10 Federal

Site Position:		Northing:	387,647.70 usft	Latitude:	32° 3' 50.275 N
From: Map		Easting:	708,869.00 usft	Longitude:	103° 39' 32.721 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.36 °

Well Bufflehead 10 Fed 1H

Well Position	+N/-S	0.00 usft	Northing:	387,647.70 usft	Latitude:	32° 3' 50.275 N
	+E/-W	0.00 usft	Easting:	708,869.00 usft	Longitude:	103° 39' 32.721 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,258.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010_14	10/19/2011	7.57	60.01	48,477

Design Plan #1 101911

Audit Notes:

Version: **Phase:** PROTOTYPE **Tie On Depth:** 0.00

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	179.31

Survey Tool Program **Date** 10/19/2011

From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
0.00	13,936.51	Plan #1 101911 (Wellbore #1)	MWD	MWD - Standard

Phoenix Technology Services
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MD Reference: WELL @ 3276.00usft (Original Well Elev + 18' KB)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	-3,276.00	0.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
100.00	0.00	0.00	-3,176.00	100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
200.00	0.00	0.00	-3,076.00	200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
300.00	0.00	0.00	-2,976.00	300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
400.00	0.00	0.00	-2,876.00	400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
500.00	0.00	0.00	-2,776.00	500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
600.00	0.00	0.00	-2,676.00	600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
700.00	0.00	0.00	-2,576.00	700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
800.00	0.00	0.00	-2,476.00	800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
900.00	0.00	0.00	-2,376.00	900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,000.00	0.00	0.00	-2,276.00	1,000.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,100.00	0.00	0.00	-2,176.00	1,100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,200.00	0.00	0.00	-2,076.00	1,200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,300.00	0.00	0.00	-1,976.00	1,300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,400.00	0.00	0.00	-1,876.00	1,400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,500.00	0.00	0.00	-1,776.00	1,500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,600.00	0.00	0.00	-1,676.00	1,600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,700.00	0.00	0.00	-1,576.00	1,700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,800.00	0.00	0.00	-1,476.00	1,800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
1,900.00	0.00	0.00	-1,376.00	1,900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,000.00	0.00	0.00	-1,276.00	2,000.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,100.00	0.00	0.00	-1,176.00	2,100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,200.00	0.00	0.00	-1,076.00	2,200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,300.00	0.00	0.00	-976.00	2,300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,400.00	0.00	0.00	-876.00	2,400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,500.00	0.00	0.00	-776.00	2,500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,600.00	0.00	0.00	-676.00	2,600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00

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North Reference: Grid
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Database: GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sac (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
2,700.00	0.00	0.00	-576.00	2,700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,800.00	0.00	0.00	-476.00	2,800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
2,900.00	0.00	0.00	-376.00	2,900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,000.00	0.00	0.00	-276.00	3,000.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,100.00	0.00	0.00	-176.00	3,100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,200.00	0.00	0.00	-76.00	3,200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,300.00	0.00	0.00	24.00	3,300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,400.00	0.00	0.00	124.00	3,400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,500.00	0.00	0.00	224.00	3,500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,600.00	0.00	0.00	324.00	3,600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,700.00	0.00	0.00	424.00	3,700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,800.00	0.00	0.00	524.00	3,800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,900.00	0.00	0.00	624.00	3,900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
3,976.00	0.00	0.00	700.00	3,976.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
Salt										
4,000.00	0.00	0.00	724.00	4,000.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,100.00	0.00	0.00	824.00	4,100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,200.00	0.00	0.00	924.00	4,200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,300.00	0.00	0.00	1,024.00	4,300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,400.00	0.00	0.00	1,124.00	4,400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,500.00	0.00	0.00	1,224.00	4,500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,600.00	0.00	0.00	1,324.00	4,600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,700.00	0.00	0.00	1,424.00	4,700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,800.00	0.00	0.00	1,524.00	4,800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
4,900.00	0.00	0.00	1,624.00	4,900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,000.00	0.00	0.00	1,724.00	5,000.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,100.00	0.00	0.00	1,824.00	5,100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00

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5,200.00	0.00	0.00	1,924.00	5,200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,300.00	0.00	0.00	2,024.00	5,300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,400.00	0.00	0.00	2,124.00	5,400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,500.00	0.00	0.00	2,224.00	5,500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,600.00	0.00	0.00	2,324.00	5,600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,700.00	0.00	0.00	2,424.00	5,700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,800.00	0.00	0.00	2,524.00	5,800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
5,900.00	0.00	0.00	2,624.00	5,900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,000.00	0.00	0.00	2,724.00	6,000.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,100.00	0.00	0.00	2,824.00	6,100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,200.00	0.00	0.00	2,924.00	6,200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,300.00	0.00	0.00	3,024.00	6,300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,400.00	0.00	0.00	3,124.00	6,400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,500.00	0.00	0.00	3,224.00	6,500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,600.00	0.00	0.00	3,324.00	6,600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,700.00	0.00	0.00	3,424.00	6,700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,800.00	0.00	0.00	3,524.00	6,800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
6,900.00	0.00	0.00	3,624.00	6,900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,000.00	0.00	0.00	3,724.00	7,000.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,100.00	0.00	0.00	3,824.00	7,100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,200.00	0.00	0.00	3,924.00	7,200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,300.00	0.00	0.00	4,024.00	7,300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,400.00	0.00	0.00	4,124.00	7,400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,500.00	0.00	0.00	4,224.00	7,500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,600.00	0.00	0.00	4,324.00	7,600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,676.00	0.00	0.00	4,400.00	7,676.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
Basal Anhydrite										

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7,700.00	0.00	0.00	4,424.00	7,700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,800.00	0.00	0.00	4,524.00	7,800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
7,856.00	0.00	0.00	4,580.00	7,856.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
Lamar										
7,896.00	0.00	0.00	4,620.00	7,896.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
Bell Canyon										
7,900.00	0.00	0.00	4,624.00	7,900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,000.00	0.00	0.00	4,724.00	8,000.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,100.00	0.00	0.00	4,824.00	8,100.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,200.00	0.00	0.00	4,924.00	8,200.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,300.00	0.00	0.00	5,024.00	8,300.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,400.00	0.00	0.00	5,124.00	8,400.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,500.00	0.00	0.00	5,224.00	8,500.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,600.00	0.00	0.00	5,324.00	8,600.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,700.00	0.00	0.00	5,424.00	8,700.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,800.00	0.00	0.00	5,524.00	8,800.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,826.00	0.00	0.00	5,550.00	8,826.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
Cherry Canyon										
8,900.00	0.00	0.00	5,624.00	8,900.00	0.00	0.00	0.00	0.00	387,647.70	708,869.00
8,972.54	0.00	0.00	5,696.54	8,972.54	0.00	0.00	0.00	0.00	387,647.70	708,869.00
KOP Start 12°/100' Build @ 8972' MD										
9,000.00	3.30	179.31	5,723.98	8,999.98	-0.79	0.01	0.79	12.00	387,646.91	708,869.01
9,056.43	10.07	179.31	5,780.00	9,056.00	-7.35	0.09	7.35	12.00	387,640.35	708,869.09
Manzanita										
9,100.00	15.30	179.31	5,822.49	9,098.49	-16.91	0.20	16.91	12.00	387,630.79	708,869.20
9,200.00	27.30	179.31	5,915.49	9,191.49	-53.16	0.64	53.17	12.00	387,594.54	708,869.64
9,300.00	39.30	179.31	5,998.93	9,274.93	-107.95	1.31	107.96	12.00	387,539.75	708,870.31
9,400.00	51.30	179.31	6,069.14	9,345.14	-178.89	2.17	178.91	12.00	387,468.81	708,871.17

Phoenix Technology Services
OGX Resources



Company: OGX Resources
Project: Lea County, Nemixico (Nad27)
Site: Bufflehead 10 Federal
Well: Bufflehead 10 Fed 1H
Wellbore: Wellbore #1
Design: Plan #1 101911

Local Co-ordinate Reference: Well Bufflehead 10 Fed 1H
TVD Reference: WELL @ 3276.00usft (Original Well Elev + 18' KB)
MD Reference: WELL @ 3276.00usft (Original Well Elev + 18' KB)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
9,500.00	63.30	179.31	6,123.07	9,399.07	-262.88	3.18	262.90	12.00	387,384.82	708,872.18
9,600.00	75.30	179.31	6,158.36	9,434.36	-356.24	4.31	356.27	12.00	387,291.46	708,873.31
9,700.00	87.30	179.31	6,173.47	9,449.47	-454.90	5.51	454.94	12.00	387,192.80	708,874.51
9,722.54	90.00	179.31	6,174.00	9,450.00	-477.43	5.78	477.46	12.00	387,170.27	708,874.78
Start 4213' Hold @ 9722' MD										
9,800.00	90.00	179.31	6,174.00	9,450.00	-554.89	6.72	554.93	0.00	387,092.81	708,875.72
9,900.00	90.00	179.31	6,174.00	9,450.00	-654.88	7.93	654.93	0.00	386,992.82	708,876.93
10,000.00	90.00	179.31	6,174.00	9,450.00	-754.87	9.14	754.93	0.00	386,892.83	708,878.14
10,100.00	90.00	179.31	6,174.00	9,450.00	-854.87	10.35	854.93	0.00	386,792.83	708,879.35
10,200.00	90.00	179.31	6,174.00	9,450.00	-954.86	11.56	954.93	0.00	386,692.84	708,880.56
10,300.00	90.00	179.31	6,174.00	9,450.00	-1,054.85	12.77	1,054.93	0.00	386,592.85	708,881.77
10,400.00	90.00	179.31	6,174.00	9,450.00	-1,154.85	13.98	1,154.93	0.00	386,492.85	708,882.98
10,500.00	90.00	179.31	6,174.00	9,450.00	-1,254.84	15.19	1,254.93	0.00	386,392.86	708,884.19
10,600.00	90.00	179.31	6,174.00	9,450.00	-1,354.83	16.40	1,354.93	0.00	386,292.87	708,885.40
10,700.00	90.00	179.31	6,174.00	9,450.00	-1,454.82	17.62	1,454.93	0.00	386,192.88	708,886.62
10,800.00	90.00	179.31	6,174.00	9,450.00	-1,554.82	18.83	1,554.93	0.00	386,092.88	708,887.83
10,900.00	90.00	179.31	6,174.00	9,450.00	-1,654.81	20.04	1,654.93	0.00	385,992.89	708,889.04
11,000.00	90.00	179.31	6,174.00	9,450.00	-1,754.80	21.25	1,754.93	0.00	385,892.90	708,890.25
11,100.00	90.00	179.31	6,174.00	9,450.00	-1,854.79	22.46	1,854.93	0.00	385,792.91	708,891.46
11,200.00	90.00	179.31	6,174.00	9,450.00	-1,954.79	23.67	1,954.93	0.00	385,692.91	708,892.67
11,300.00	90.00	179.31	6,174.00	9,450.00	-2,054.78	24.88	2,054.93	0.00	385,592.92	708,893.88
11,400.00	90.00	179.31	6,174.00	9,450.00	-2,154.77	26.09	2,154.93	0.00	385,492.93	708,895.09
11,500.00	90.00	179.31	6,174.00	9,450.00	-2,254.76	27.30	2,254.93	0.00	385,392.94	708,896.30
11,600.00	90.00	179.31	6,174.00	9,450.00	-2,354.76	28.51	2,354.93	0.00	385,292.94	708,897.51
11,700.00	90.00	179.31	6,174.00	9,450.00	-2,454.75	29.72	2,454.93	0.00	385,192.95	708,898.72
11,800.00	90.00	179.31	6,174.00	9,450.00	-2,554.74	30.93	2,554.93	0.00	385,092.96	708,899.93
11,900.00	90.00	179.31	6,174.00	9,450.00	-2,654.74	32.14	2,654.93	0.00	384,992.96	708,901.14

Phoenix Technology Services
OGX Resources



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Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
12,000.00	90.00	179.31	6,174.00	9,450.00	-2,754.73	33.35	2,754.93	0.00	384,892.97	708,902.35
12,100.00	90.00	179.31	6,174.00	9,450.00	-2,854.72	34.57	2,854.93	0.00	384,792.98	708,903.57
12,200.00	90.00	179.31	6,174.00	9,450.00	-2,954.71	35.78	2,954.93	0.00	384,692.99	708,904.78
12,300.00	90.00	179.31	6,174.00	9,450.00	-3,054.71	36.99	3,054.93	0.00	384,592.99	708,905.99
12,400.00	90.00	179.31	6,174.00	9,450.00	-3,154.70	38.20	3,154.93	0.00	384,493.00	708,907.20
12,500.00	90.00	179.31	6,174.00	9,450.00	-3,254.69	39.41	3,254.93	0.00	384,393.01	708,908.41
12,600.00	90.00	179.31	6,174.00	9,450.00	-3,354.68	40.62	3,354.93	0.00	384,293.02	708,909.62
12,700.00	90.00	179.31	6,174.00	9,450.00	-3,454.68	41.83	3,454.93	0.00	384,193.02	708,910.83
12,800.00	90.00	179.31	6,174.00	9,450.00	-3,554.67	43.04	3,554.93	0.00	384,093.03	708,912.04
12,900.00	90.00	179.31	6,174.00	9,450.00	-3,654.66	44.25	3,654.93	0.00	383,993.04	708,913.25
13,000.00	90.00	179.31	6,174.00	9,450.00	-3,754.65	45.46	3,754.93	0.00	383,893.05	708,914.46
13,100.00	90.00	179.31	6,174.00	9,450.00	-3,854.65	46.67	3,854.93	0.00	383,793.05	708,915.67
13,200.00	90.00	179.31	6,174.00	9,450.00	-3,954.64	47.88	3,954.93	0.00	383,693.06	708,916.88
13,300.00	90.00	179.31	6,174.00	9,450.00	-4,054.63	49.09	4,054.93	0.00	383,593.07	708,918.09
13,400.00	90.00	179.31	6,174.00	9,450.00	-4,154.63	50.30	4,154.93	0.00	383,493.07	708,919.30
13,500.00	90.00	179.31	6,174.00	9,450.00	-4,254.62	51.52	4,254.93	0.00	383,393.08	708,920.52
13,600.00	90.00	179.31	6,174.00	9,450.00	-4,354.61	52.73	4,354.93	0.00	383,293.09	708,921.73
13,700.00	90.00	179.31	6,174.00	9,450.00	-4,454.60	53.94	4,454.93	0.00	383,193.10	708,922.94
13,800.00	90.00	179.31	6,174.00	9,450.00	-4,554.60	55.15	4,554.93	0.00	383,093.10	708,924.15
13,900.00	90.00	179.31	6,174.00	9,450.00	-4,654.59	56.36	4,654.93	0.00	382,993.11	708,925.36
13,936.51	90.00	179.31	6,174.00	9,450.00	-4,691.10	56.80	4,691.44	0.00	382,956.60	708,925.80

TD @ 13936' MD

Phoenix Technology Services
OGX Resources



Company: OGX Resources
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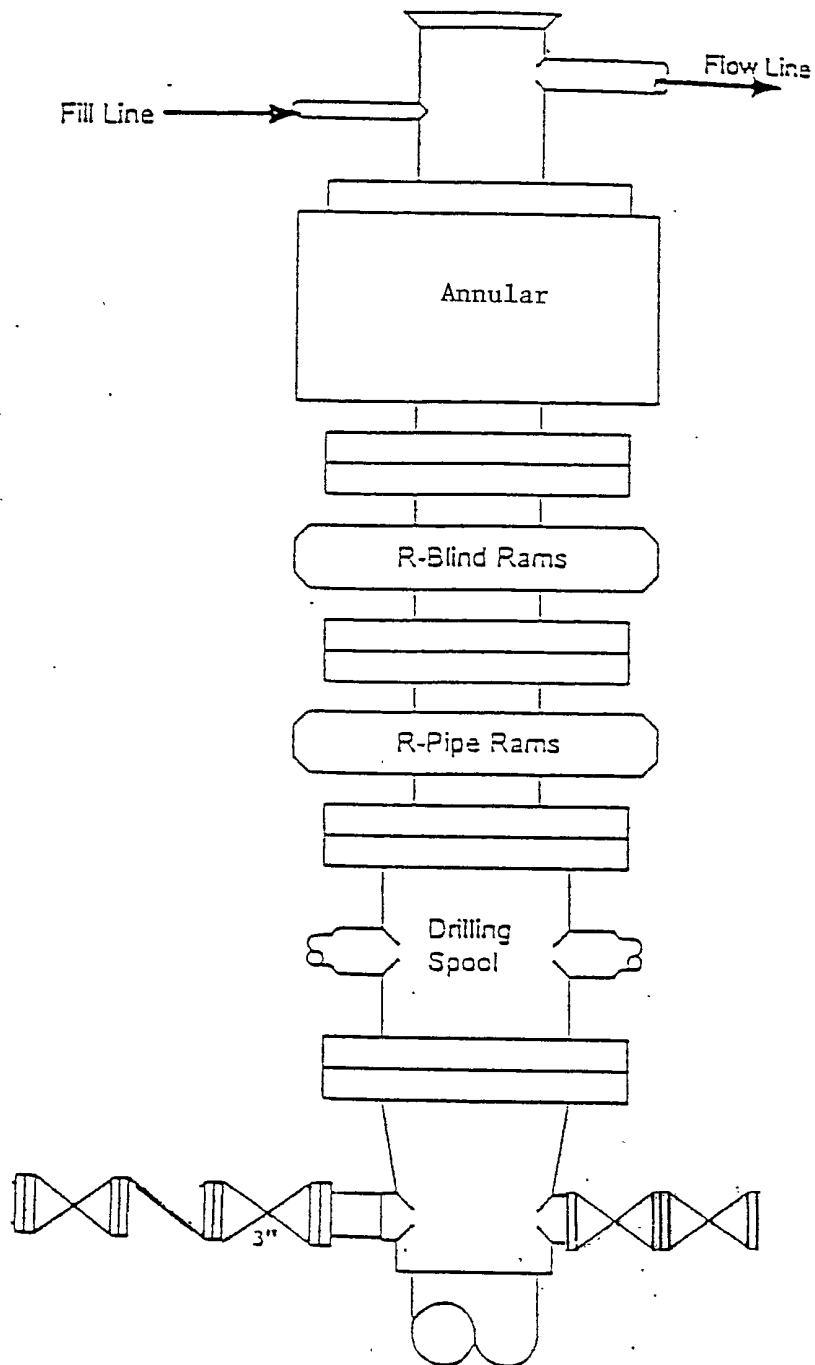
Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,896.00	7,896.00	Bell Canyon			
7,676.00	7,676.00	Basal Anhydrite			
9,056.43	9,056.00	Manzanita			
7,856.00	7,856.00	Lamar			
8,826.00	8,826.00	Cherry Canyon			
3,976.00	3,976.00	Salt		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
8,972.54	8,972.54	0.00	0.00	KOP Start 12"/100' Build @ 8972' MD
9,722.54	9,450.00	-477.43	5.78	Start 4213' Hold @ 9722' MD
13,936.51	9,450.00	-4,691.10	56.80	TD @ 13936' MD

Checked By: _____ Approved By: _____ Date: _____



Type 900 Series
3000 psi WP

EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

OGX RESOURCES, LLC.
BUFFLEHEAD "10" FEDERAL #1H
UNIT "B" SECTION 10
T26S-R32E LEA CO. NM

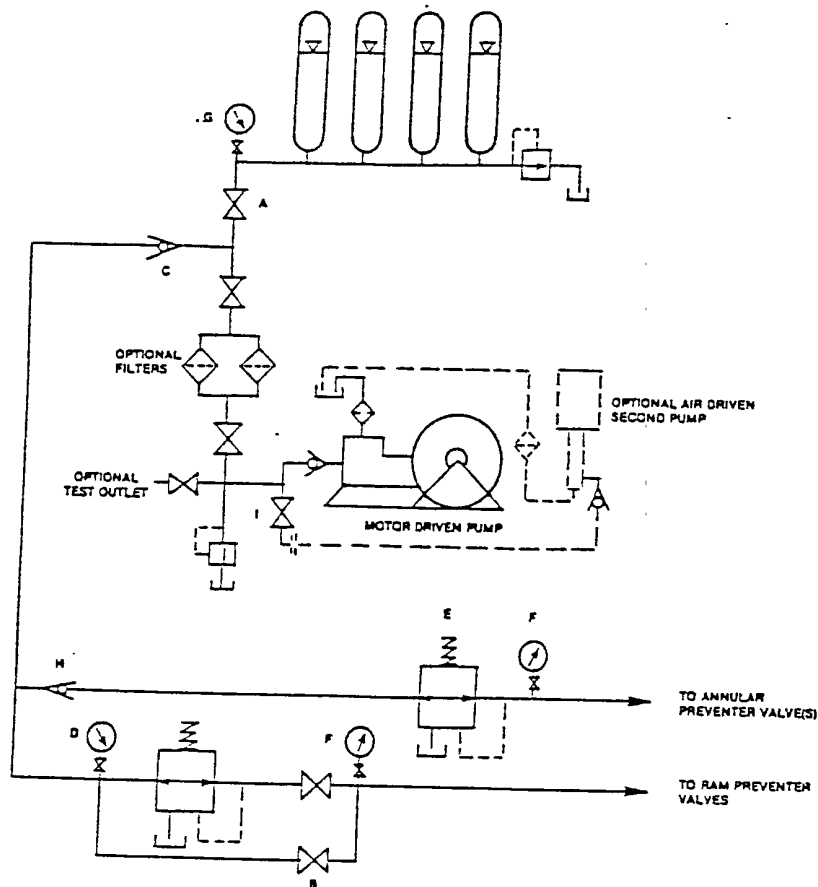


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

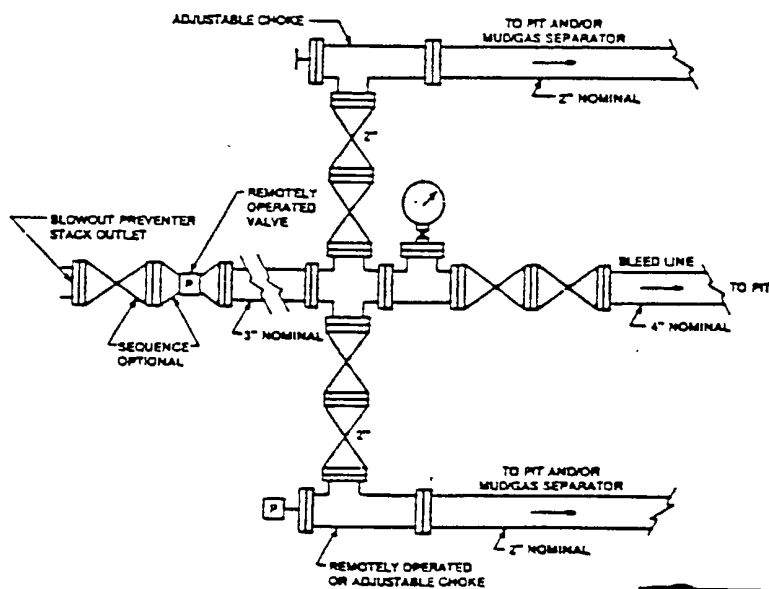
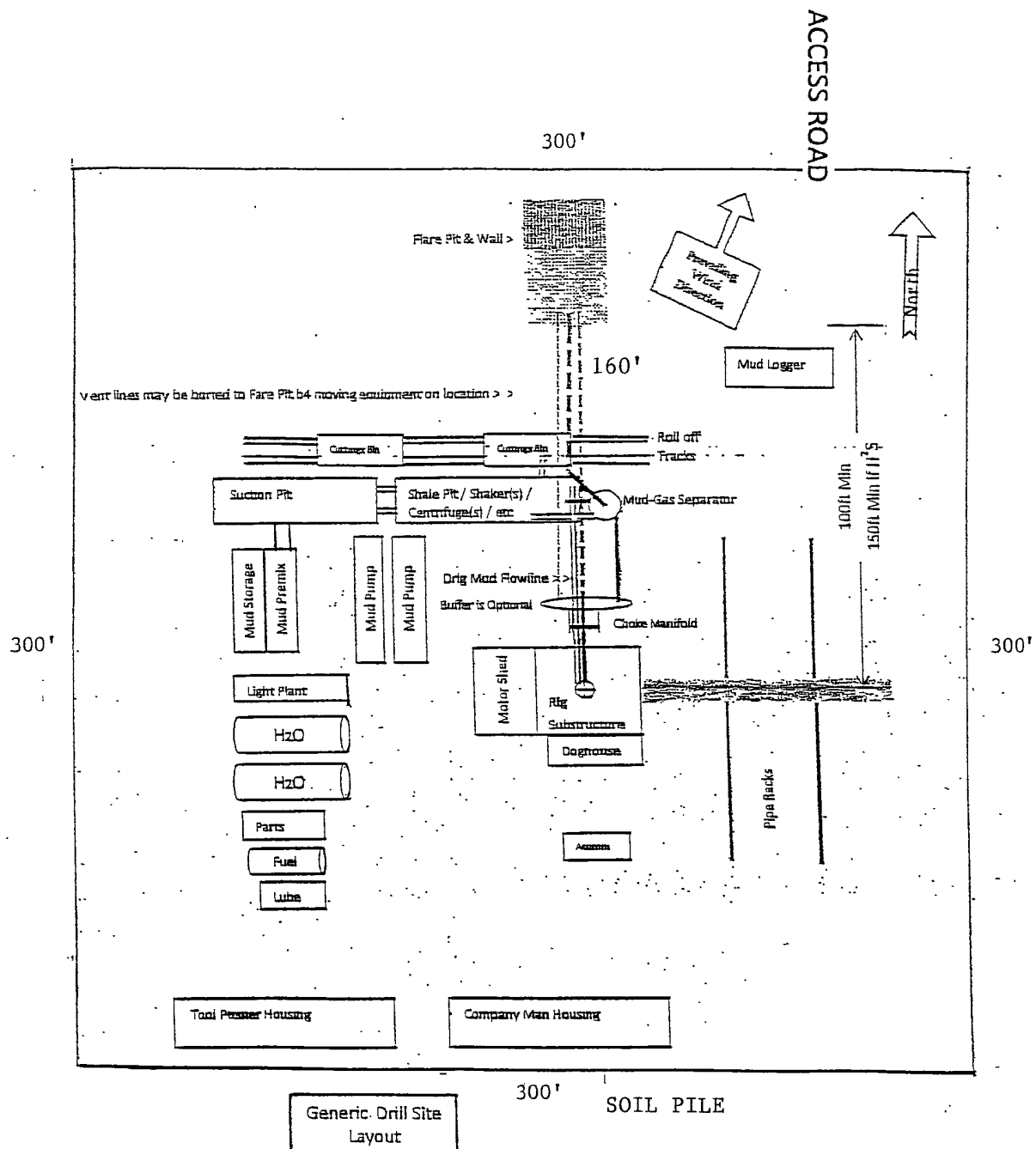


FIGURE K4-2. Typical choke manifold assembly for 5M rated working pressure service — surface installation.

EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

OGX RESOURCES, LLC.
BUFFLEHEAD "10" FEDERAL #1H
UNIT "B" SECTION 10
T26S-R32E LEA CO. NM



Preplanning reasonable spacing accommodations for a useable "Closed Loop" drillsite layout is challenging. Particular site specific conflicts need to be resolved. This generic APD plat was prepared to demonstrate several necessary elements. The plat should include: a north arrow, prevailing wind direction, spacing access for truck removal of cutting bins, flare pit location, and piping provision to vent all combustible gas to the flare pit. Include the choke manifold and mud-gas separator location and their connection routing.

EXHIBIT "D" RIG LAY OUT PLAT

OGX RESOURCES. LLC.
BUFFLEHEAD "10" FEDERAL #1H
UNIT "B" SECTION 10
T26S-R32E LEA CO. NM