OCD-ARTESIA

ATS-12-503

EX-12-965

Form 3160-3 (April 2004)

RECEIVED

FORM APPROVED OMB No 1004-0137 Expires March 31, 2007

UNITED STATES DEDARTMENT OF THE INTEDIOR JUN 29 2012 3873A

BUREAU OF LAND MA				idd/k (BHL) LC 0610	616 (see box 6) BH (- LC
		I NMOCD A	ARTES	If Indian, Allotee	or Tribe Name
APPLICATION FOR PERMIT TO	DRILL OF	REENIER		See pg 1 of 8pt	DP for lease info.
1a. Type of work:	TER			7 If Unit or CA Agree NMNM 71016	x
Ib. Type of Well	✓ Su	ngle Zone Multip	ple Zone	8 Lease Name and V Poker Lake Ur	/ 7
Name of Operator BOPCO, L. P.		-2607	372	9 API Well No.	40435
3a. Address P. O. Box 2760 Midland, TX 79702		(include area code)		10 Field and Pool, or E	Exploratory V (Delaware) 4910
4. Location of Well (Report location clearly and in accordance with	any State requirem	ents *)		11 Sec, T R. M. or Bl	k and Survey or Area
At surface SWSE,UL O 814' FSL & 1630' FI At proposed prod zone 2000' FSL, 2450' FWL,Sec11,T25	EL, Lat:N32.1	54556,Long:W103.8		Sec 3, T25S-R3	60E, Mer, NMP
4 Distance in miles and direction from nearest town or post office* 20 miles East of Malaga	· · · · · · · · · · · · · · · · · · ·			12 County or Parish Eddy	13 State NM
5 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig unit line, if any)	16 No of a	cres in lease	17 Spacin	g Unit dedicated to this w	vell
8 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft appx 295'	1 '	9 Proposed Depth 20 BLM/BIA Bond No. on file 13,256' MD \ 7,721' TVD COB 000050			
1 Elevations (Show whether DF, KDB, RT, GL, etc.) 3321' GL	22 Approxi	mate date work will star	rt*	23. Estimated duration 30 Days	1
	24. Attac	chments			
he following, completed in accordance with the requirements of Onsh	nore Oil and Gas	Order No 1, shall be a	ttached to th	is form	
Well plat certified by a registered surveyor A Drilling Plan A Surface Use Plan (if the location is on National Forest Syster SUPO shall be filed with the appropriate Forest Service Office)	m Lands, the	Item 20 above) 5 Operator certific	cation	ns unless covered by an or	existing bond on file (see
SOFO shan be fired with the appropriate Polest Service Offices		authorized office		ormation and/or plans as	may be required by the
25. Signature		(Printed/Typed) Jeremy Braden	· · ·		Date 3-15-2012
itle Engineering Assistant					
					Date
Approved by (Signature) /s/ Don Peterson	Name	(Printed/Typed)		à	11 2 E 20 -

APPROVAL FOR TWO YEARS Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

*(Instructions on page 2)

Carlsbad Controlled Water Basin

BOPCO, L.P.

P. O. Box 2760 Midland, Texas 79702

432-683-2277

FAX-432-687-0329

March 15, 2012

Bureau of Land Management Carlsbad Field Office 620 East Green Street Carlsbad, New Mexico 88220-6292

Attn: Mr. Don Peterson - Assistant Field Manager, Minerals

RE: APPLICATION FOR PERMIT TO DRILL

POKER LAKE UNIT #376H

814' FSL, 1630' FEL, SEC. 3, T25S, R30E, EDDY COUNTY, NM

Dear Mr. Peterson,

In reference to the above captioned well, I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in the attached eight point drilling plan and multi-use surface plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by BOPCO, L.P. and it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

If you have any questions regarding the accuracy of the plan provided herein, please do not hesitate to contact me at (432) 683-2277.

_

Sincerely,

Stephen M. Martinez

Division Drilling Superintendent

BOPCO, L. P. 6 DESTA DRIVE, SUITE 3700 (79705) P. O. BOX 2760 MIDLAND, TEXAS 79702

FAX (432) 687-0329 (432) 683-2277

March 16, 2012

Bureau of Land Management 620 E. Greene Carlsbad, New Mexico 88220 Attn: John Chopp

Dear Mr. Chopp,

BOPCO, L.P. respectfully requests exception to the Prairie Chicken timing restrictions for Poker Lake Unit #376H located 814' FSL, 1630' FEL, of Section 3, T25S, R30E, Eddy County, New Mexico.

Sincerely,

Stephen Martinez

Division Drilling Superintendent

SMM/JDB

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102 Revised July 16, 2010

District Office

Submit one copy to appropriate

1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe. NM 87505

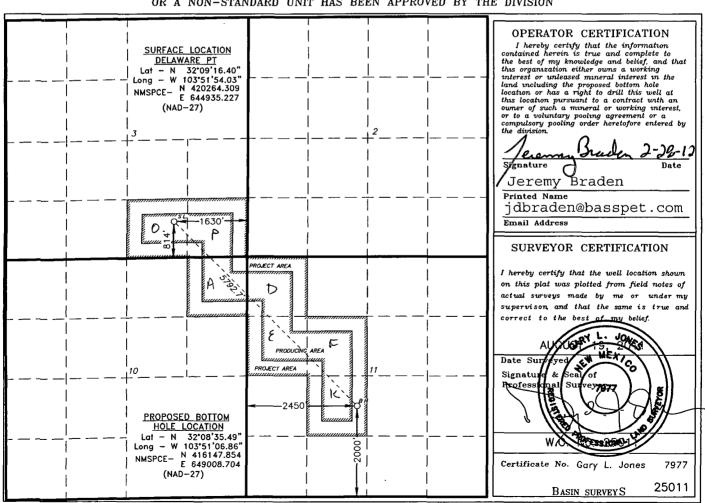
OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

WELL LOCATION AND ACREAGE DEDICATION I LAT											
20 API	Number	171-		Pool Code			Pool Name				
150-015	- 409	50		96047		Poker La	ake SW (De	laware)			
Property	Code	1			Property Nam	ne		Well Nu	ımber		
30640	2			Р	OKER LAKE	UNIT		376⊦			
OGRID N	0.				Operator Nam	ne		Elevat	ion		
26073	7				BOPCO, L.	P		332	<u>1'</u>		
	Surface Location										
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
0	3	25 S	30 E		814	SOUTH	1630	EAST	EDDY		
			Bottom	Hole Loc	cation If Diffe	erent From Sur	face				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
K	11	25 S	30 E		2000	SOUTH	2450	WEST	EDDY		
Dedicated Acre	s Joint o	r Infill Co	nsolidation (Code Or	der No.						
280							13,6	156 6/20	<i>'</i> o		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



EIGHT POINT DRILLING PROGRAM BOPCO, L.P.

NAME OF WELL: Poker Lake Unit 376H

LEGAL DESCRIPTION - SURFACE: 814' FSL, 1630' FEL, Section 3, T25S, R30E, Eddy County, NM.

BHL: 2000' FSL, 2450' FWL, Section 11, T25S, R30E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS (See No. 2 Below)

POINT 2: WATER, OIL, GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3343' (estimated)

GL 3321'

Formation Description	Est from KB (TVD)		SUB-SEA TOP	1. A. M. A. M.
T/Fresh Water	400'	400'	+ 2,943'	Fresh Water
T/Rustler	943'	943'	+ 2,400'	Barren
T/Salado	1,363'	1,363'	+ 1,980'	Barren
T/Lamar	3,978'	3,978'	- 635'	Oil/Gas
Delaware Sands	4,013'	4,013'	- 670'	Oil/Gas
Shell Zone Marker	6,770'	6,770'	- 3,427'	Oil/Gas
KOP	7,192'	7,192'	- 3,849'	Oil/Gas
LBC 8A Sand	7,460'	7,476'	- 4,117'	Oil/Gas
LBC "Y" Sand	7,630'	7,747'	- 4,287'	Oil/Gas
EOC	7,669'	7,941'	- 4,326'	Oil/Gas
Target #1	7,669'	8,231'	- 4,326'	Oil/Gas
Target #2	7,696'	10,513'	- 4,353'	Oil/Gas
TD Horizontal Hole	7,721'	13,256'	- 4,378'	Oil/Gas

POINT 3: CASING PROGRAM

TYPE	INTERVAL MD	HOLE SIZE	PURPOSE	INSTALLATION TYPE
20"	0' – 120'	26"	Conductor	Contractor Discretion
13-3/8", 48#, H-40, or 54.5#, J-55 8rd, ST&C*	0' – 933'	17-1/2"	Surface	New
9-5/8", 40#, N-80, 8rd, LT&C or 9-5/8" 40#, J-55, 8rd, LT&C*	0' - 4,000'	12-1/4"	Intermediate	New
7", 26#, N-80, Buttress or 8rd LTC*	0' – 8,041'	8-3/4"	Production	New

Completion System			1967年1968年 金融電子 医皮肤	The state of the s	
4-1/2", 11.6#, HCP-110 8rd. LT&C*	7,991' – 13,256'	6-1/8"	Completion System	New	

^{*} Depending on availability.

CASING DESIGN SAFETY FACTORS:

TYPE	TENSION	COLLAPSE	BURST
13-3/8", 48#, H-40, 8rd, ST&C*	8.36	1.58	1.66
13-3/8", 54.5#, J-55, 8rd, STC*	19.52	2.49	2.62
9-5/8", 40#, N-80, 8rd, LT&C*	5.46	1.34	2.58
9-5/8", 40#, J-55, 8rd, LT&C*	4.66	1.21	1.77
7", 26#, N-80, Buttress*	3.51	1.30	1.69
7", 26#, N-80, 8rd, LTC*	3.02	1.25	1.69

Completion System		[P] [图表: 50] [图 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Compatible Compatibilities
4-1/2", 11.6#, HCP-110 8rd. LT&C	3.49	2.06	2.48

^{*} Depending on availability.

DESIGN CRITERIA AND CASING LOADING ASSUMPTIONS:

SURFACE CASING - (13-3/8")

Tension A 1.6 design factor utilizing the effects of buoyancy (9.2 ppg).

Collapse A 1.0 design factor with full internal evacuation and a collapse force equal to the mud gradient in which the

casing will be run (0.48 psi/ft). The effects of axial load on collapse will be considered.

Burst A 1.3 design factor with a surface pressure equal to the fracture gradient at setting depth less a gas

gradient to the surface. Internal burst force at the shoe will be fracture pressure a that depth. Backup pressure will be formation pore pressure. In all cases a conservative fracture pressure will be used such that it represents the upper limit of potential fracture resistance up to a 1.0 psi/ft gradient. The effects of

tension on burst will not be utilized.

PROTECTIVE CASING - (9-5/8")

Tension A 1.6 design factor utilizing the effects of buoyancy (10.2 ppg).

Collapse A 1.125 design factor with full internal evacuation and a collapse force equal to the mud gradient in which

the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.

In the case of development drilling, collapse design should be analyzed using internal evacuation equal to 1/3 the proposed total depth of the well. This criterion will be used when there is absolutely no potential of

the protective string being used as a production casing string.

Burst A 1.0 surface design factor and a 1.3 downhole design factor with a surface pressure equivalent to the

fracture gradient at setting depth less a gas gradient to the surface. Internal burst force at the shoe will be fracture pressure at that depth. Back pressure will be formation pore pressure. In all cases a conservative fracture pressure will be used such that it represents the upper limit of potential fracture resistance up to a

1.0 psi/ft gradient.

Production CASING - (7")

Tension A 1.6 design factor utilizing the effects of buoyancy (9.0 ppg).

Collapse A 1.125 design factor with full internal evacuation and a collapse force equal to the mud gradient in which

the casing will be run (0.48 psi/ft). The effects of axial load on collapse will be considered.

Burst A 1.25 design factor with anticipated maximum tubing pressure (5000 psig) on top of the maximum

anticipated packer fluid gradient. (0.433 psi/ft) Backup on production strings will be formation pore

pressure. (0.433 psi/ft) The effects of tension on burst will not be utilized.

Completion System - (4-1/2")

Tension A 1.6 design factor utilizing the effects of buoyancy (9.0 ppg).

Collapse A 1.125 design factor with full internal evacuation and a collapse force equal to the mud gradient in which

the casing will be run (0.48 psi/ft). The effects of axial load on collapse will be considered.

Burst A 1.25 design factor with anticipated maximum tubing pressure (5000 psig) on top of the maximum

anticipated packer fluid gradient. (0.433 psi/ft) Backup on production strings will be formation pore

pressure. (0.433 psi/ft) The effects of tension on burst will not be utilized.

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM 1 & 2)

The BOPE when rigged up on the 13-3/8" surface casing head (12-1/4" open hole) will consist of 13-5/8" X 5,000 psi dual ram BOP's with mud cross, choke manifold, chokes, and hydril per Diagram 1 (5,000 psi WP). The pipe and blind rams, choke, kill lines, kelly cocks, inside BOP, etc. when installed on the surface casing head will be hydro-tested to 250-300 psig and 2000 psig by independent tester. The hydril when installed on surface casing head will be tested to 1000 psi.

The BOPE when rigged up on the 9-5/8" intermediate casing spool (8-3/4" open hole) will consist of 13-5/8" x 5,000 psi annular, 13-5/8" x 5,000 psi pipe & blind rams with mud cross, choke manifold and chokes as in Diagram 1. The pipe and blind rams, choke, kill lines, kelly cocks inside BOP, etc. will be tested to 3000 psig by independent tester. In addition to the high pressure test, a low pressure (250-300 psig) test will be required. Hydril will be tested to 1500 psig.

The BOPE when rigged up on the 7" intermediate casing spool (6-1/8" open hole) will consist of 13-5/8" x 5,000 psi annular, 13-5/8" x 5,000 psi pipe & blind rams with mud cross choke manifold and chokes as in Diagram 1. The pipe and blind rams, choke, kelly lines, kelly cocks inside BOP, etc. will be tested to 3000 psig by independent tester. In addition to the high pressure test, a low pressure (250-300 psig) test will be required. Hydril will be tested to 1500 psig.

These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Thirty days after a previous test
- d) As required by well conditions

A function test to insure that the preventers are operating correctly will be performed on each trip.

Please refer to diagram 2 for choke manifold and closed loop system layout. Please refer to diagram 2 for choke manifold and closed loop system layout. If an armored flex hose is utilized, the company man will have all of the proper certified paper work for that hose available on location. There is a list of possible flex hose serial numbers that could be used attached with the choke manifold diagram.

POINT 5: MUD PROGRAM

DEPTH :		MUD TYPE	WEIGHT	<u>FV</u>	<u>PV</u>	<u> YP</u>	<u>FL</u> ***	<u> Ph</u>
0 -933'	FW Spud Mud	8.5 – 9.2	38-70	NC	NC	NC	10.0	
933' - 4,000'	Brine Water	9.8 – 10.2	28-30	NC	NC	NC	9.5 – 10.5	
4,000' - 8,041'	FW/Gel	8.7 – 9.0	28-36	NC	NC	NC	9.5 – 10.0	
8,041' 13,256'	FW/Gel/Starch	8.7 – 9.0	28-36	NC	NC	<100	9.5 – 10.0	

NOTE: May increase vis for logging purposes only.

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING See COA

Run #1: GR with MWD during drilling of build and horizontal portions of 8-3/4" and 6-1/8" hole.

Run #2: Shuttle log w/GR, PE, Density, Neutron, Resistivity in lateral leg open hole.

Mud Logger: Rigged up at 100'

C) CONVENTIONAL CORING

None anticipated

D) CEMENT

	AMOUNT SXS	FT OF FILL	TYPE	//GALS/SX	PPG	FT ³ SX
SURFACE: Lead: 0' – 633'	520	633	Class C +2% CACL + 4% Bentonite + 0.25 LB/SK Cello Flake + 3 lb/sk LCM-1	8.69	13.50	1.75
Tail: 633' – 933'	335	300	Class C + 2% CACL + 0.25 LB/SK CF	6.35	14.80	1.35
INTERMEDIATE:			0.25LB/SK Cello Flake + 3 lb/sk LCM-1			
Lead: 0' - 3,500'	1070	3500	EconoCEM HLC + 5% CaCl + 5#/sk Gilsonite	9.32	12.90	1.85
Tail: 3,500' – 4,000'	270	500	HalCem C	6.34	14.80	1.33
Production						
Stage 1: Lead: 5,000' -7,192'	190	2192	Tuned Light + 0.75% + CFR-3 + 1.5#/sk CaCl	12.41	10.20	2.76
Tail: 7,192' – 8,041'	140	849	VersaCem-PBSH2 + 0.4% Halad-9	8.76	13.0	1.65
DV Tool @ 5,000'						
Stage 2:						
Lead: 3500' ~ 4,500'	100	1000	EconCem HLC + 1% Econolite + 5% CaCl + 5#/sk Gilsonite	10.71	12.60	2.04
Tail: 4,500' – 5,000'	100	500	HalCem C	6.34	14.80	1.33

Cement excesses will be as follows:

Surface - 100% excess with cement circulated to surface.

1st Intermediate – 50% excess above fluid caliper with cement circulated to surface.

Production -50% above gauge hole or 35% above electric log caliper with cement circulated 500' up into the 9-5/8" 1st intermediate casing in areas outside the SOPA. Cement will be circulated to surface on areas inside the SOPA.

Cement volumes will be adjusted proportionately for depth changes of the multi stage tool.

E) COMPLETIONS SYSTEM

A 4-1/2" completion system with open hole packers will be run in the producing lateral to a depth of 13,256'. The top of the Completion System will be set at approximately 7,991'. Cement will not be required for this system.

F) DIRECTIONAL DRILLING

BOPCO, L.P. plans to drill out the 9-5/8" intermediate casing with a 8-3/4" bit to a TVD of approximately 7,192' at which point a directional hole will be kicked off and drilled at an azimuth of 135.301 degrees, building angle at 12.01 deg/100' to 90 degrees at a TVD of 7,669' (MD 7,941'). This angle and azimuth will be maintained for 100' to a measured depth of 8,041' (7,669' TVD). At this depth 7", 26#, N80, Buttress, or 8rd LTC casing will be installed and cemented in two stages (DV Tool @ approximately 5000') with cement circulated 500' inside the 9-5/8" intermediate casing. A 6-1/8" open hole lateral will then be drilled out from 7" casing at an azimuth of 135.301 degrees, inclination of 89.317 degrees to a measured depth of 13,256', TVD 7,721'. At this depth a 4-1/2" Completion System with packers installed for zone isolation will be run into the producing lateral.

G) H2S SAFTEY EQUIPMENT

As stated in the BLM Onshore Order 6, for wells located inside the H2S area, H2S equipment will be rigged up after setting surface casing. For the wells located inside the H2S area the flare pit will be located 100' from the location. For wells located outside the H2S area flare pit will be located 150' away from the location. (See page 6 of Survey plat package and diagram 2) There is not any H2S anticipated in the area, although in the event that H2S is encountered, the H2S contingency plan attached will be implemented. (Please refer to diagram 2 for choke manifold and closed loop system layout.) Please refer to H2S location diagram for location of important H2S safety items.

H) CLOSED LOOP AND CHOKE MANIFLOLD

Please see diagram 2.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section. A BHP of 3613 psi (max) or MWE of 9.0 ppg is expected. Lost circulation may exist in the Delaware Section from 3,978'-7,721' TVD.

POINT 8: OTHER PERTINENT INFORMATION

A) Auxiliary Equipment

Upper and lower kelly cocks. Full opening stab in valve on the rig floor.

B) Anticipated Starting Date

Upon approval

30 days drilling operations

14 days completion operations

JDB



BOPCO. L.P.

Scale 1 ench = 1000 ft -500

No.376H SHL

No 376H Target #1

Location: Eddy County, NM Field: Poker Lake Unit

Facility: Poker Lake Unit No. 376H

Slot: No 376H SHL Well. No.376H Wellbore: No.376H PWB

Tie On 22 00ft TVD, 0 00ft N, 0 00ft E

Est KOP · 7192 00ft TVD, 0 00ft N, 0 00ft E

EOC 7669 00ft TVD, 339 06ft S, 335 51ft E

Hold/ Target #1 . 7669 00ft TVD, 545 19ft S, 539 49ft E

Drop 7669 20ft TVD, 569 47ft S, 563 51ft E

Target #2 7696 00ft TVD, 2167 27ft S. 2144.61ft E No 376H Target #2 Build · 7696 08ft TVD, 2172 99ft \$, 2150 27ft E

1000

500

Easting (ft)

2000

2500

3000

3500

1500



4500

500

0

-500

-1000

-1500

-2000

-2500

-3000

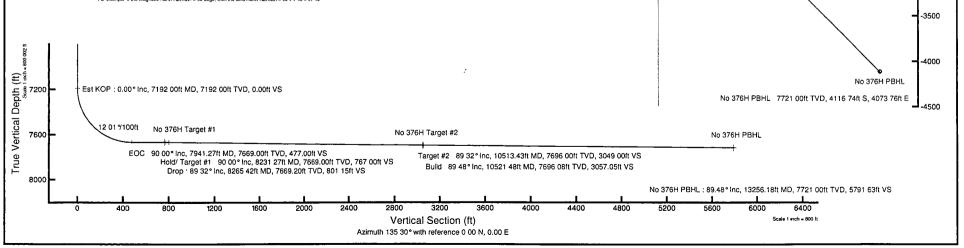
4000

Well Profile Data											
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (%100ft)	VS (ft)			
Tie On	22 00	0 000	135 301	22 00	0 00	0 00	0 00	0 00			
Est KOP	7192 00	0.000	135.301	7192.00	0.00	0.00	0.00	0.00			
EOC	7941 27	90.000	135 301	7669 00	-339 06	335 51	12 01	477 00			
Hold/ Target #1	8231 27	90 000	135 301	7669.00	-545 19	539.49	0 00	767.00			
Drop	8265 42	89 317	135 301	7669 20	-569 47	563 51	2 00	801 15			
Target #2	10513 43	89.317	135.301	7696.00	-2167.27	2144.61	0.00	3049.00			
Build	10521.48	89 478	135.300	7696 08	-2172 99	2150.27	2 00	3057 05			
No 376H PBHL	13256 18	89.478	135 300	7721.00	-4116.74	4073.76	0.00	5791.63			

Plot reference wetpath is Rev-A 0						
True vertical depths are referenced to Rig on No 376H SHL (KB)	Grid System NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet					
Measured depths are referenced to Rig on No 376H SHL (KB)	North Reference Grid north					
Rig on No 376H SHL (KB) to Mean Sea Level 3343 feet	Scale True distance					
Mean Sea Level to Mud line (At Slot No 376H SHL) -3321 feet	Depths are in feet					
Coordinates are in feet referenced to Slot	Created by centbry on 3/13/2012					



BGGM (1945 0 to 2013 0) Dp 50 02* Field 49477 2 nT
Magnet North to 71 diognet East of Tree North (at 2222012)
T o correct stamult from True of Grid subtreat 0 25 degrees
T correct stamult from True of Grid subtreat 0 25 degrees
To correct stamult from True of Grid subtreat 0 25 degrees
For example if the Magnetic North Azemuth + 9 0 47 46 - 97 46





Planned Wellpath Report Rev-A.0 Page 1 of 5



REGER	ENCE WELLPATH IDENTIFICATION		
Operator	BOPCO, L.P.	Slot	No.376H SHL
Area	Eddy County, NM	Well	No.376H
Field	Poker Lake Unit	Wellbore	No.376H PWB
Facility	Poker Lake Unit No. 376H		

REPORT SETUE	PINFORMATION		
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	0.999933	Report Generated	3/14/2012 at 3:44:57 PM
Convergence at slot	0.25° East	Database/Source file	WA Midland/No.376H_PWB.xml

WELLPATH LOCATION												
	Local coo	rdinates	Grid co	ordinates	Geographic coordinates							
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude						
Slot Location	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W						
Facility Reference Pt			644935.23	420264.31	32°09'16.404"N	103°51'54.026"W						
Field Reference Pt			630272.49	405347.85	32°06'49.387"N	103°54'45.266"W						

WELLPATH DATU	$\mathbf{M}_{i}(\mathbf{x}_{i})$, $\mathbf{M}_{i}(\mathbf{x}_{i})$, $\mathbf{M}_{i}(\mathbf{x}_{i})$, $\mathbf{M}_{i}(\mathbf{x}_{i})$, $\mathbf{M}_{i}(\mathbf{x}_{i})$		
Calculation method	Minimum curvature	Rig on No.376H SHL (KB) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Slot	Rig on No.376H SHL (KB) to Mean Sea Level	3343.00ft
Vertical Reference Pt	Rig on No.376H SHL (KB)	Rig on No.376H SHL (KB) to Mud Line at Slot (No.376H SHL)	22.00ft
MD Reference Pt	Rig on No.376H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	135.30°



Planned Wellpath Report Rev-A.0 Page 2 of 5



REFER	ENCE WELLPATH IDENTIFICATION		
Operator	BOPCO, L.P.	Slot	No.376H SHL
Area	Eddy County, NM	Well	No.376H
Field	Poker Lake Unit	Wellbore	No.376H PWB
Facility	Poker Lake Unit No. 376H		

WELLP	ATH DA	TA (148	8 station	s) †=	interp	oolat	ed/extrapo	lated stat	ion	, 1 m.,		······································
MD [ft]	Inclination [°]	Azimuth	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	135.301	0.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
22.00	0.000	135.301	22.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	Tie On
122.00†	0.000	135.301	122.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
222.00†	0.000		222.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
.≥322.00†	0.000	135.301	322.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16'404"N	103°51'54.026"W	0.00	
422.00†	0.000	135.301	422.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
522.00†	0.000	135.301	522.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
622.00†	0.000	135.301	622.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
722.00†	0.000	135.301	722.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
822.00†	0.000	135.301	822.00	0.00	0:00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	7
922.00†	0.000	135.301	922.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
943.00†	0.000	135.301	943.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	Rustler
1022.00†	0.000	135.301	1022.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
1122.00†	0.000			0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
1222.00†			第1222:00	0.00	0.00	0.00	644935.23	420264.31		103°51'54.026"W	0.00	
1322.00†	0.000		1322.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
1363.00†	0.000	135.301	1363.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	Salado
1422.00†	0.000	135.301	1422.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
1522.00†	0.000	135.301	1522.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
1622.00†	0.000	135:301	1622.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54:026"W	0.00	3.443
1722.00†	0.000	135.301	1722.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
1822.00†	0.000	135.301	1822.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
1922.00†	0.000	135.301	1922.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
2022.00†	0.000		J	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
J2122:00†	0.000	135:301	2122.00	0.00	0.00	0.00		420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
2222.00†	0.000	135.301	2222.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
2322.00†	0.000			0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
2422.00†	0.000		L	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
2522.00†	0.000			0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
2622:00†	STATES OF STATES	The state of the s	2622.00		(00:00					103°51'54.026"W		75
2722.00†	0.000			0.00	0.00		644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
2822.00†	0.000	135.301		0.00	0.00	0.00	644935,23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
2922.00†	0.000			0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3022.00†	0.000			0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3122.00†			3122.00		¥0.00	0.00		420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3222.00†	0.000			0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3322.00†	0.000		 	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3422.00†	0.000		<u> </u>	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3522.00†	0.000			0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3622:00†	0.000	135.301	-	0.00	Highways ways	0.00		420264.31	32°09'16.404"N	103°51'54.026"W	0.00	AT C 2012年
3722.00†	0.000	135.301	3722.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3822.00†	0.000	135.301	3822.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3922.00†	0.000	135.301	3922.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
3978.00†	0.000	135.301	3978.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W		Lamar
4013.00†	0.000	135:301	4013:00	0:00	0.00	0.00	644935.23	3420264.31	32°09'16'404"N	/103°51'54:026"W	¢₩ 0:00	Delaware Sands



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REDUCE	RENCE WELLPATH IDENTIFICATION		
Operator	BOPCO, L.P.	Slot	No.376H SHL
Area	Eddy County, NM	Well	No.376H
Field	Poker Lake Unit	Wellbore	No.376H PWB
Facility	Poker Lake Unit No. 376H		

WELL	PATH D	ATA (148 stat	ions)	† = int	erpola	ted/extra	polated st	ation			
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4022.00†	0.000	135.301	4022.00	0.00	0.00		<u> </u>			103°51'54.026"W	0.00	
4122.00†			4122.00	0.00	0.00	<u> </u>				103°51'54.026"W	0.00	
4222.00†			4222.00	0.00	0.00					103°51'54.026"W	0.00	
4322.00†			4322.00	0.00	0.00					103°51'54.026"W	0.00	
4422.001			4422:00	0.00	0.00	- Committee of the Comm	All St. A. St. Market Co. St. Daniel			103°51¦54.026"W	0.00	
4522.00†			4522.00	0.00	0.00		<u> </u>			103°51'54.026"W	0.00	
4622.00†	 		4622.00	0.00	0.00				<u> </u>	103°51'54.026"W	0.00	
4722.00†			4722.00	0.00	0.00					103°51'54.026"W	0.00	Mark - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
4822.00†	The second second second second second	***	4822.00	0.00	0.00	Lancon	La recognition or property and the second	The same of the sa	the second secon	103°51'54.026"W	0.00	
4922.00†			4922.00	0.00	0.00					103°51'54.026"W	0.00	
5022.00†			5022.00	0.00	0.00		<u> </u>			103°51'54.026"W	0.00	
5122.00†	<u>}</u>	135.301		0.00	0.00			\ 		103°51'54.026"W 103°51'54.026"W	0.00	
5222.00† 5322.00†	·	135.301	5222.00	0.00	0.00	L	<u> </u>			103°51'54.026 W	0.00	
5422.001			5422.00	0.00	0.00	L				103°51'54.026"W		
5522.00†		135.301		0.00	0.00					103°51'54.026"W	0.00	ACCUMANTAL PROPERTY OF THE PRO
5622.00†	f	~	5622.00	0.00	0.00					103°51'54.026"W	0.00	
5722.00†	<u> </u>		5722.00	0.00	0.00		<u> </u>	<u></u>		103°51'54.026"W	0.00	
5822.00†	<u> </u>		5822.00	0.00	0.00	1				103°51'54.026"W	0.00	
5922.00	·		5922.00		- 0.00					103°51°54.026"W		in the state of th
6022.00†	711111111111111111111111111111111111111	135.301	7.00	0.00	0.00					103°51'54.026"W	0.00	40.75 m
6122.00†	·	135.301		0.00	0.00	 				103°51'54.026"W	0.00	`
6222.00†	ļ		6222.00	0.00	0.00		<u></u>			103°51'54.026"W	0.00	
6322.00†	······································	135.301		0.00	0.00				····	103°51'54.026"W	0.00	
	0.000			41						103°51'54.026"W		Electron 1
6522.00†		135.301		0.00	0.00					103°51'54.026"W	0.00	S. S. C.
6622.00†		135.301		0.00	0.00					103°51'54.026"W	0.00	
6722.00†		135.301		0.00	0.00					103°51'54.026"W	0.00	
6770.00†	0.000	135.301	6770.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	Shell Zone Marker
6822.00†	(0:000	135:301	6822:00	0.00	≈ 0.00					103°51¦54.026"W	4.0:00	***
6922.00†	0.000	135.301	6922.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
7022.00†	0.000	135.301	7022.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
7122.00†	0.000	135.301	7122.00	0.00	0.00	0.00	644935.23	420264.31	32°09'16.404"N	103°51'54.026"W	0.00	
7192.00	·		7192.00	0.00	0.00					103°51'54.026"W		Est KOP
7222.00†	3.604			0.94	-0.67					103°51'54.019"W	12.01	
7322.00†			7320.40	17.61	-12.51					103°51'53.883"W	12.01	
7422.00†		~	7413.19	54.38	-38.66					103°51'53.583"W	12.01	
7476.58†		135.301		82.41	-58.57		· · · · · · · · · · · · · · · · · · ·			103°51'53.355"W		Lower Brushy Canyon 8A
7522.00†		135.301		109.67	-77.95					103°51'53.133"W	12.01	
7622.00†							,			103°51'52.552"W		- 1 () () () () () () () () () (
7722.00†		135.301		265.37						103°51'51.865"W	12.01	***************************************
7747.04†			7630.00							103°51'51.680"W		LBC "Y" Sand
7822.00†		135.301								103°51'51.102"W	12.01	
7922.00†		135.301								103°51'50.298"W	12.01	
7941.27	90.000	135.301	7669.00	477.00	-339.06	335.51	645270.72	419925.28	32°09'13.035"N	103°51;50.141"W	12.01	EOC



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REFER	ENCE WELLPATH IDENTIFICATION		
Operator	BOPCO, L.P.	Slot	No.376H SHL
Area	Eddy County, NM	Well	No.376H
Field	Poker Lake Unit	Wellbore	No.376H PWB
Facility	Poker Lake Unit No. 376H		

WELLP	ATH DATA (14	8 statio	ns)	interpo	lated/ex	ktrapolate	ed station				
MD	Inclination Azimuth		Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	DLS	Comments
[ft] 8022.00†	[°] [°] 90.000 135.301	[ft] 7669.00	[ft] 557.73	[ft] -396.44	[ft]	[US ft] 645327.50	[US ft]	32°09'12.465"N	103°51'49.483"W	[°/100ft] 0.00	
8122.00†	90.000 135.301	7669.00	657.73	-467.52		645397.83		32°09'11.758"N	103°51'48.669"W	0.00	
8222.00†	·	7669.00	757.73	-538.60	532.97	<u> </u>	419725.74	32°09'11.052"N	103°51'47.854"W	0.00	
8231.27	90.000 135.301		767.00	-545.19		645474.68		32°09'10.986"N	103°51'47.779"W		Hold/ Target #1
	89:317, 135:301	***************************************	801.15	~~~	L	645498.70		32°09'10:745"N	103°51'47.501"W		Drop
8322.00†	89.317 135.301		857.73	-609.68	603.31	645538.49	419654.67	32°09'10.345"N	103°51'47.040"W	0.00	
8422.00†	89.317 135.301	7671.07	957.72	-680.76	673.64	645608.82	419583.60	32°09'09.639"N	103°51'46.226"W	0.00	
8522.00†	89.317 135.301	7672.26	1057.71	-751.83	743.98	645679.15	419512.53	32°09'08.933"N	103°51'45.411"W	0.00	
8622.00†	89.317 135.301	7673.45	1157.70	-822.91		645749.48		32°09'08.226"N	103°51'44.597"W	0.00	
8722.00†		y				645819.81			103°51'43.782"W		2004
8822.00†	·			-965.06		645890.14		32°09'06.813"N	103°51'42.968"W	0.00	
8922.00†		7677.03		-1036.14	1025.31	645960.46		32°09'06.107"N	103°51'42.153"W	0.00	
9022.00†	89.317 135.301			-1107.21		646030.79		32°09'05.401"N	103°51'41.339"W	0.00	
9122.00†	89.317 135.301			-1178.29		646101.12		32°09'04.694"N	103°51'40.524"W	0.00	(Sandan)
	89.317/135.301										
9322.00†			1857.65			646241.78		32°09'03.282"N	103°51'38.896"W	0.00	
9422.00†	89.317 135.301					646312.11	418872.89	32°09'02.575"N	103°51'38.081"W	0.00	
9522.00†			2057.64	-1462.59	1447.31	646382.43		32°09'01.869"N	103°51'37.267"W	0.00	
9622.00†	<u> </u>	1	2157.63	-1533.67			418730.74	32°09'01.162"N	103°51'36.452"W	0.00	
9722.00†								32°09'00.456"N	103°51'35.638"W		
9822.00†			2357.62			646593.42			103°51'34.824"W	0.00	
9922.00†		7688.95	2457.61			646663.75		32°08'59.043"N 32°08'58.337"N	103°51'34.009"W	0.00	
10022.00†						646734.08 646804.41		32°08'57.630"N	103°51'33.195"W	0.00	
10122.001									103°51'32.380 W		An American
10322.00†	89.317 135.301					646945.06		32°08'56.218"N	103°51'30.752"W	0.00	LEADER THE SHEET SHEET SHEET
10422.00†	89.317 135.301	7694.91	2957.58	-2031.20			418162.17	32°08'55.511"N	103°51'29.937"W	0.00	
10513.43	89.317 135.301						t	32°08'54.865"N	&1.03°51'29.193"W		Target #2
10521.48	89.478 135.300	A STATE OF THE PARTY OF THE PAR	L		AN AND ALL OF THE PARTY OF THE	- And an observation of the F.	A CANADA OF STREET, ST	32°08'54.808"N	103°51'29.127"W		Build
10522.001					-			**************************************	103°51'29.123"W	0.00	L
10622.00†	89.478 135.300		12 W - 14 M. WHETE	And the second second second second	Carrier and the outbreed or the a statement		418020.03	32°08'54.098"N	103°51'28.308"W	0.00	Sec. No.
10722.00†	89.478 135.300					647226.38	ļ	32°08'53.392"N	103°51'27.494"W	0.00	
10822.00†	89.478 135.300							32°08'52.686"N	103°51'26.680"W	0.00	
10922.00†	89.478 135.300		3457.55			647367.04	 	32°08'51.979"N	103°51'25.865"W	0.00	
11022:00†	89.478 135:300	7700:64	3557.55						103°51'25.051"W	0.00	
11122.00†	89.478 135.300					647507.71		32°08'50.566"N	103°51'24.236"W	0.00	
11222.00†	89.478 135.300	7702.47	3757.54	-2670.90	2642.99	647578.04	417593.60	32°08'49.860"N	103°51'23.422"W	0.00	
11322.00†	89.478 135.300	7703.38	3857.54	-2741.97	2713.33	647648.37	417522.52	32°08'49.153"N	103°51'22.608"W	0.00	
11422.00†	89.478 135.300	7704.29	3957.53	-2813.05	2783.67	647718.70	417451.45	32°08'48.447"N	103°51'21.793"W	0.00	
11522:00†	89.478 135:300	7705.20	4057.53	-2884.13	2854.00	647789.03	417380.38	32°08'47.741"N	103°51'20.979"W	0.00	
11622.00†	89.478 135.300	7706.11	4157.52	-2955.21	2924.34	647859.36	417309.31	32°08'47.034"N	103°51'20.165"W	0.00	
11722.00†	89.478 135.300	7707.02	4257.52	-3026.28	2994.67	647929.70	417238.23	32°08'46.328"N	103°51'19.350"W	0.00	
11822.00†	89.478 135.300	7707.93	4357.52	-3097.36	3065.01	648000.03	417167.16	32°08'45.621"N	103°51'18.536"W	0.00	
11922.00†	89.478 135.300	7708.84	4457.51	-3168.44	3135.35	648070.36	417096.09	32°08'44.915"N	103°51'17.721"W	0.00	
12022.00†	89.478 135.300	7709.76	4557.51	3239.52	3205.68	648140.69	417025.02	32°08'44.208"N	103°51'16.907"W	0.00	



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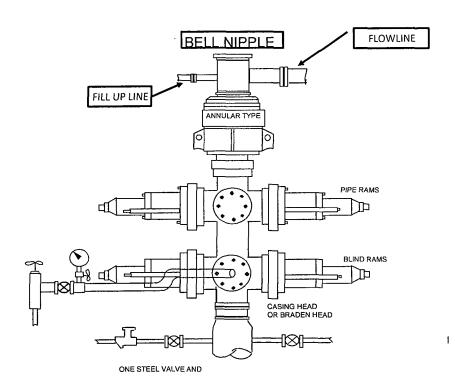
REFER	ENCE WELLPATH IDENTIFICATION		
Operator	BOPCO, L.P.	Slot	No.376H SHL
Area	Eddy County, NM	Well	No.376H
Field	Poker Lake Unit	Wellbore	No.376H PWB
Facility	Poker Lake Unit No. 376H		

WELLP	ATH DA	TA (14	8 statio	ns) †=	interpo	lated/ex	ktrapolate	d station		error e vera de la companio del la companio del la companio de la companio del la companio de la companio del la companio de la companio del la companio del la companio del la companio del la companio		Annual Control of the
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12122.00†	89.478	135.300	7710.67	4657.50	-3310.59	3276.02	648211.02	416953.94	32°08'43.502"N	103°51'16.093"W	0.00	
12222.00†	89.478	135.300	7711.58	4757.50	-3381.67	3346.36	648281.35	416882.87	32°08'42.795"N	103°51'15.278"W	0.00	
12322.00†	89.478	135.300	7712.49	4857.49	-3452.75	3416.69	648351.68	416811.80	32°08'42.089"N	103°51'14.464"W	0.00	
12422.00†	89.478	135.300	7713.40	4957.49	-3523.83	3487.03	648422.01	416740.73	32°08'41.383"N	103°51'13.650"W	0.00	
12522.00†	89.478	135.300	<i>7</i> 714:31	5057.49	-3594.90	3557:361	648492.35	416669.65	32 <u>°08'40.676</u> "N	103 <u>°51</u> 112.835"W	0.00	
12622.00†	89.478	135.300	7715.22	5157.48	-3665.98	3627.70	648562.68	416598.58	32°08'39.970"N	103°51'12.021"W	0.00	
12722.00†	89.478	135.300	7716.13	5257.48	-3737.06	3698.04	648633.01	416527.51	32°08'39.263"N	103°51'11.207"W	0.00	
12822.00†								l'	32°08'38.557"N	103°51'10.392"W	0.00	
12922.00†									32°08'37.850"N		0.00	
13022.00†	89.478	135.300	77,18.87	5557:47	-3950.29	3909.041	648844.00	416314.29	32°08'37.144"N	103°51'08.764"W	0.00	4.76
13122.00†	89.478	135.300	7719.78	5657.46	-4021.37	3979.38	648914.33	416243.22	32°08'36.437"N	103°51'07.949"W	0.00	
13222.00†										103°51'07.135"W	0.00	
13256.18	89.478	135.300	7721.00 ²	5791.63	:-4116.74	4073.76	649008.70	416147.85	32°08'35.490"N	103°51'06.857"W	0.00	No 376H PBHL

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.376H Target #1		7669.00	-538.80	533.16	645468.35	419725.55	32°09'11.050"N	103°51'47.852"W	point
1) No.376H Target #2	10513.43	7696.00	-2167:27	2144.61	647079.69	418097:19	32°08'54'.865"N	/103°51'29:193"W	point
2) No.376H PBHL	13256.18	7721.00	-4116.74	4073.76	649008.70	416147.85	32°08'35.490"N	-103°51'06.857"W	point

-	SURVEY PROGRAM - Ref Wellbore: No.376H PWB Ref Wellpath: Rev-A.0				
	Start MD	End MD	Positional Uncertainty Model	Log Name/Comment	Wellbore
	[ft]	[ft]			
	22.00	13500.00	NaviTrak (Standard)		No.376H PWB

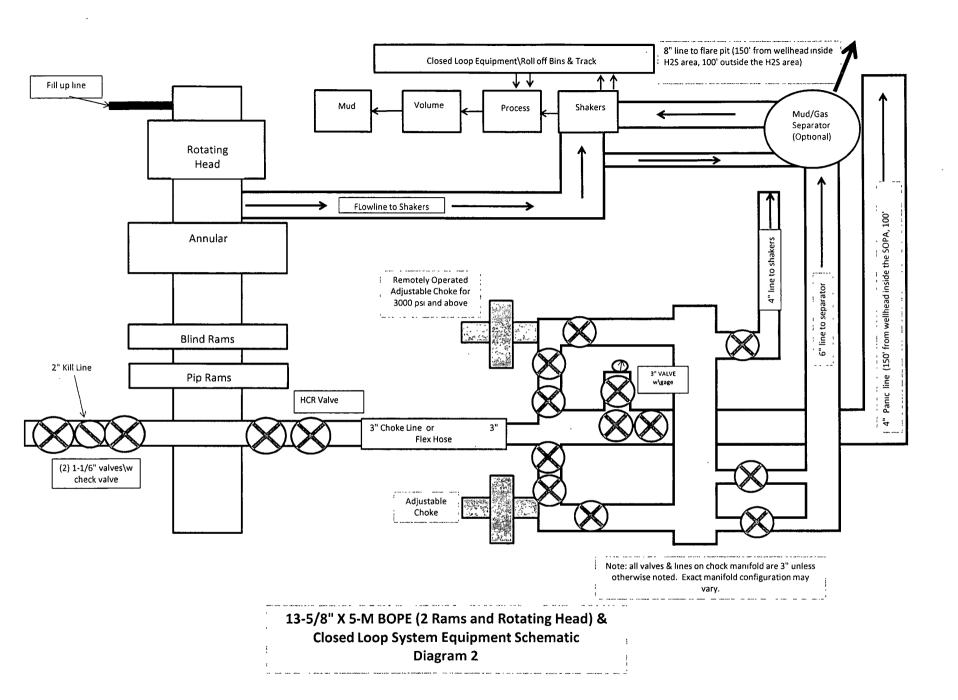
BOPCO, L. P. 13 5/8" X 5-M WP BOPE WITH 5-M WP ANNULAR



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate Blowout preventer with lower pipe rams and upper blind rams, all hydraulically controlled.
- B. Opening on preventers between rams to be flanged, studded or clamped and at least two inches in diameter.
- C. All connections from operating manifold to preventers to be all steel hose or tube a mininum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with suffficient volume to operate (close, open, and re-close) the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOPs.
- F. Manual controls to be installed before drilling cement plug.
- G. Valve to control flow through drill pipe to be located on rig floor.
- H. Chokes must be adjustable. Choke spool may be used between rams.

DIAGRAM 1



Possible Armored Flex Hose Serial #'s that could possibly be used on drilling rig are listed as follows.

Latshaw Rig 18

- 1. 137641-1
- 2. 137641-2

Latshaw Rig 4

1.81610

Each rig will have the correct paper work on location.

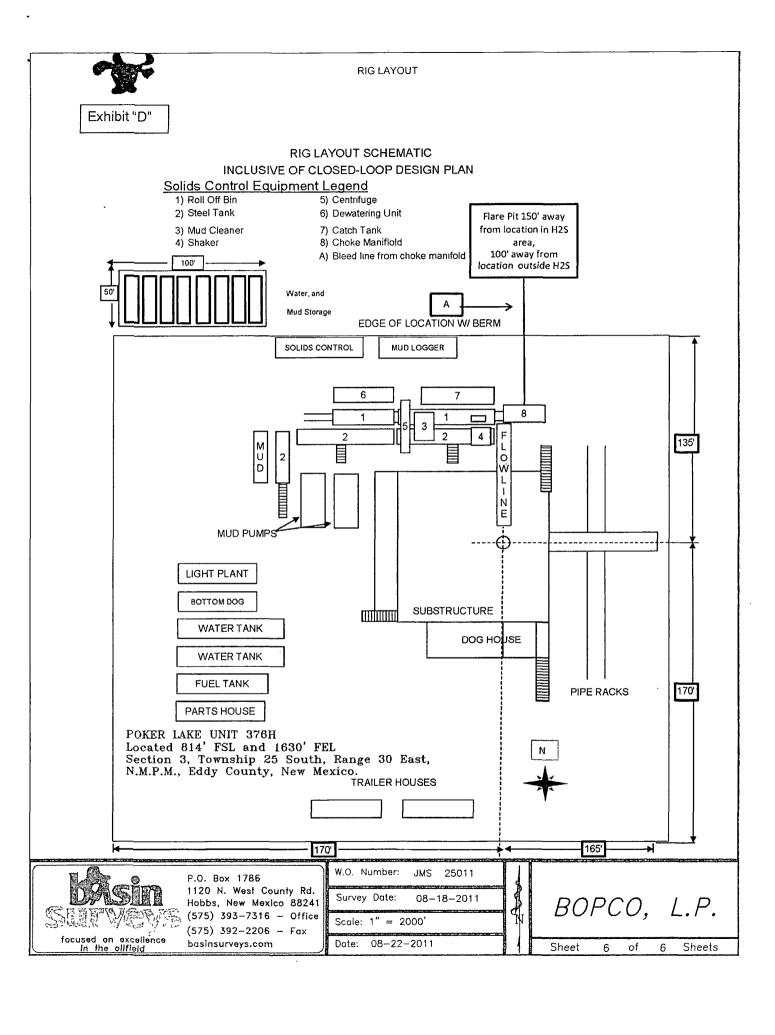


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H2S CONTINGENCY PLAN SECTION

Scope:

This contingency plan provides an organized plan of action for alerting and protecting the public within an area of exposure prior to an intentional release, or following the accidental release of a potentially hazardous volume of hydrogen sulfide. The plan establishes guidelines for all personnel whose work activity may involve exposure to Hydrogen Sulfide Gas (H₂S).

Objective:

Prevent any and all accidents, and prevent the uncontrolled release of H₂S into the atmosphere.

Provide proper evacuation procedures to cope with emergencies.

Provide immediate and adequate medical attention should an injury occur.

Discussion of Plan:

Suspected Problem Zones:

Implementation: This plan, with all details, is to be fully implemented 500' above or three days prior to drilling into the first known sour zone

Emergency Response and Public Protection Procedure: This section outlines the conditions and denotes steps to be taken in the event of an emergency.

Emergency Equipment and Procedure: This section outlines the safety and emergency equipment that will be required for the drilling of this well.

Training Provisions: This section outlines the training provisions that must be adhered to 500 feet above or three days prior to drilling into the first known sour zone.

Emergency call lists: Included are the telephone numbers of all persons that would need to be contacted should an H₂S emergency occur.

Briefing: This section deals with the briefing of all persons involved with the drilling of this well.

Public Safety: Public Safety Personnel will be made aware of the drilling of this well.

EMERGENCY PROCEDURES AND PUBLIC PROTECTION SECTION

- I. In the event of any evidence of H₂S levels above 10 ppm, take the following steps immediately:
 - A. Secure breathing apparatus.
 - B. Order non-essential personnel out of the danger zone.
 - C. Take steps to determine if the H₂S level can be corrected or suppressed, and if so, proceed with normal operations.
- II. If uncontrollable conditions occur, proceed with the following:
 - A. Take steps to protect and/or remove any public downwind of the rig, including partial evacuation or isolation. Notify necessary public safety personnel and the New Mexico Oil & Gas of the situation.
 - B. Isolate area and prevent entry by unauthorized persons into the 100 ppm ROE.
 - C. Remove all personnel to the Safe Briefing Area.
 - D. Notify public safety personnel for help with maintaining roadblocks and implementing evacuation. Phone number list attached.
 - E. Determine and proceed with the best possible plan to regain control of the well. Maintain tight security and safety measures.

III. Responsibility:

- A. The Company Approved Supervisor shall be responsible for the total implementation of the plan.
- B. The Company Approved Supervisor shall be in complete command during any emergency.
- C. The Company Approved Supervisor shall designate a back up Supervisor in the event that he/she is not available.

EMERGENCY PROCEDURE IMPLEMENTATION

I. Drilling or Tripping

A. All Personnel

- 1. When alarm sounds, don escape unit and report to upwind Safe Briefing Area.
- 2. Check status of other personnel (buddy system).
- 3. Secure breathing apparatus.
- 4. Wait for orders from supervisor.

B. Drilling Foreman

- 1. Report to the upwind Safe Briefing Area.
- 2. Don Breathing Apparatus and return to the point of release with the Tool Pusher or Driller (buddy system).
- 3. Determine the concentration of H₂S.
- 4. Assess the situation and take appropriate control measures.

C. Tool Pusher

- 1. Report to the upwind Safe Briefing Area.
- 2. Don breathing apparatus and return to the point of release with the Drilling Foreman or the Driller (buddy system).
- 3. Determine the concentration.
- 4. Assess the situation and take appropriate control measures.

D. Driller

- 1. Check the status of other personnel (in a rescue attempt, always use the buddy system).
- 2. Assign the least essential person to notify the Drilling Foreman and Tool Pusher, in the event of their absence.

3. Assume the responsibility of the Drilling Foreman and the Tool Pusher until they arrive, in the event of their absence.

E. Derrick Man and Floor Hands

1. Remain in the upwind Safe Briefing Area until otherwise instructed by a supervisor.

F. Mud Engineer

- 1. Report to the upwind Safe Briefing Area.
- 2. When instructed, begin check of mud for pH level and H₂S level.

G. On-site Safety Personnel

- 1. Don Breathing Apparatus.
- 2. Check status of all personnel.
- 3. Wait for instructions from Drilling Foreman or Tool Pusher.

II. Taking a Kick

- A. All personnel report to the upwind Safe Briefing Area.
- B. Follow standard BOP procedures.

III. Open Hole Logging

- A. All unnecessary personnel should leave the rig floor.
- B. Drilling Foreman and Safety Personnel should monitor the conditions and make necessary safety equipment recommendations.

IV. Running Casing or Plugging

- A. Follow "Drilling or Tripping" procedures.
- B. Assure that all personnel have access to protective equipment.

SIMULATED BLOWOUT CONTROL DRILLS

All drills will be initiated by activating alarm devices (air horn). Use one long blast on the air horn for ACTUAL and SIMULATED Blowout Control Drills. This operation will be performed by the Drilling Foreman or Tool Pusher at least one time per week for each of the following conditions, with each crew:

Drill # 1 Bottom Drilling

Drill # 2 Tripping Drill Pipe

In each of these drills, the initial reaction time to shutting in the well shall be timed as well as the total time for the crew to complete its entire pit drill assignment. The times must be recorded on the IADC Driller's Log as "Blowout Control Drill".

Drill No.:

Reaction Time to Shut-In:

minutes, minutes.

seconds.

Total Time to Complete Assignment:

I. Drill Overviews

- A. Drill No. 1- Bottom Drilling
 - 1. Sound the alarm immediately.
 - 2. Stop the rotary and hoist kelly joint above the rotary table.
 - 3. Stop the circulatory pump.
 - 4. Close the drill pipe rams.
 - 5. Record casing and drill pipe shut-in pressures and pit volume increases.
- B. Drill No. 2 Tripping Drill Pipe
 - 1. Sound the alarm immediately.
 - 2. Position the upper tool joint just above the rotary table and set the slips.

- 3. Install a full opening valve or inside blowout preventor tool in order to close the drill pipe.
- 4. Close the drill pipe rams.
- 5. Record the shut-in annular pressure.

II. Crew Assignments

A. Drill No. 1 - Bottom Drilling

1. Driller

- a) Stop the rotary and hoist kelly joint above the rotary table.
- b) Stop the circulatory pump.
- c) Check flow.
- d) If flowing, sound the alarm immediately.
- e) Record the shut-in drill pipe pressure.
- f) Determine the mud weight increase needed or other courses of action.

2. Derrickman

- a) Open choke line valve at BOP.
- b) Signal Floor Man # 1 at accumulator that choke line is open.
- c) Close choke and upstream valve after pipe tams have been closed.
- d) Read the shut-in annular pressure and report readings to Driller.

3. Floor Man # 1

- a) Close the pipe rams after receiving the signal from the Derrickman.
- b) Report to Driller for further instructions.

4. Floor Man # 2

- a) Notify the Tool Pusher and Operator Representative of the H₂S alarms.
- b) Check for open fires and, if safe to do so, extinguish them.
- c) Stop all welding operations.
- d) Turn-off all non-explosion proof lights and instruments.
- e) Report to Driller for further instructions.

5. Tool Pusher

- a) Report to the rig floor.
- b) Have a meeting with all crews.
- c) Compile and summarize all information.
- d) Calculate the proper kill weight.
- e) Ensure that proper well procedures are put into action.

6. Operator Representative

- a) Notify the Drilling Superintendent.
- b) Determine if an emergency exists and if so, activate the contingency plan.

B. Drill No. 2 - Tripping Pipe

1. Driller

- a) Sound the alarm immediately when mud volume increase has been detected.
- b) Position the upper tool joint just above the rotary table and set slips.
- c) Install a full opening valve or inside blowout preventor tool to close the drill pipe.
- d) Check flow.

- e) Record all data reported by the crew.
- f) Determine the course of action.

2. Derrickman

- a) Come down out of derrick.
- b) Notify Tool Pusher and Operator Representative.
- c) Check for open fires and, if safe to do so, extinguish them.
- d) Stop all welding operations.
- e) Report to Driller for further instructions.

3. Floor Man # 1

- a) Pick up full opening valve or inside blowout preventor tool and stab into tool joint above rotary table (with Floor Man # 2).
- b) Tighten valve with back-up tongs.
- c) Close pipe rams after signal from Floor Man # 2.
- d) Read accumulator pressure and check for possible high pressure fluid leaks in valves or piping.
- e) Report to Driller for further instructions.

4. Floor Man # 2

- a) Pick-up full opening valve or inside blowout preventor tool and stab into tool joint above rotary table (with Floor Man # 1).
- b) Position back-up tongs on drill pipe.
- c) Open choke line valve at BOP.
- d) Signal Floor Man # 1 at accumulator that choke line is open.
- e) Close choke and upstream valve after pipe rams have been closed.
- f) Check for leaks on BOP stack and choke manifold.

- g) Read annular pressure.
- h) Report readings to the Driller.

5. Tool Pusher

- a) Report to the rig floor.
- b) Have a meeting with all of the crews.
- c) Compile and summarize all information.
- d) See that proper well kill procedures are put into action.

6. Operator Representative

- a) Notify Drilling Superintendent
- b) Determine if an emergency exists, and if so, activate the contingency plan.

IGNITION PROCEDURES

Responsibility:

The decision to ignite the well is the responsibility of the DRILLING FOREMAN in concurrence with the STATE POLICE. The State Police shall be the Incident Command on the scene of any major release. Intentional ignition must be coordinated with the NMOCD and local officials. In the event the Drilling Foreman is incapacitated, it becomes the responsibility of the RIG TOOL PUSHER. This decision should be made only as a last resort and in a situation where it is clear that:

- 1. Human life and property are endangered.
- 2. There is no hope of controlling the blowout under the prevailing conditions.

If time permits, notify the main office, but do not delay if human life is in danger. Initiate the first phase of the evacuation plan.

Instructions for Igniting the Well:

- 1. Two people are required for the actual igniting operation. Both men must wear self-contained breathing apparatus and must use a full body harness and attach a retrievable safety line to the D-Ring in the back. One man must monitor the atmosphere for explosive gases with the LEL monitor, while the Drilling Foreman is responsible for igniting the well.
- 2. The primary method to ignite is a 25mm flare gun with a range of approximately 500 feet.
- 3. Ignite from upwind and do not approach any closer than is warranted.
- 4. Select the ignition site best suited for protection and which offers an easy escape route.
- 5. Before igniting, check for the presence of combustible gases.
- 6. After igniting, continue emergency actions and procedures as before.
- 7. All unassigned personnel will limit their actions to those directed by the Drilling Foreman.

NOTE: After the well is ignited, burning Hydrogen Sulfide will convert to Sulfur Dioxide (SO₂), which is also highly toxic. Do not assume the area is safe after the well is ignited.

TRAINING REQUIREMENTS

When working in an area where Hydrogen Sulfide (H₂S) might be encountered, definite training requirements must be carried out. The Company Supervisor will ensure that all personnel at the well site, whether regularly assigned, contracted, or employed on an unscheduled basis, have had adequate training by a qualified instructor in the following:

- 1. Hazards and Characteristics of Hydrogen Sulfide and Sulfur Dioxide.
- 2. Physicals effects of Hydrogen Sulfide on the human body.
- 3. Toxicity of Hydrogen Sulfide and Sulfur Dioxide.
- 4. H₂S detection, emergency alarm and sensor location.
- 5. Emergency rescue.
- 6. First aid and artificial resuscitation.
- 7. The effects of Hydrogen Sulfide on metals.
- 8. Location safety.

In addition, Supervisory Personnel will be trained in the following areas:

- 1. If high tensile tubular are to be used, personnel will be trained in their special maintenance requirements.
- 2. Corrective action and shut-in procedures when drilling or reworking a well as blowout prevention and well control procedures.
- 3. The contents and requirements of the H₂S Drilling Operations Contingency Plan and the Public Protection Plan.

Service company personnel and visiting personnel must be notified if the zone contains H₂S, and each service company must provide adequate training and equipment for their employees before they arrive at the well site.

EMERGENCY EQUIPMENT

As stated in the BLM Onshore Order 6, for wells located in a known H₂S areas, H₂S equipment will be rigged up after setting surface casing. For wells located inside known H₂S areas, the flare pit will be located 150' from the location and for wells located outside known H₂S areas, the flare pit will be located 100' away from the location. (See page 6 of Survey plat package and diagram 2.)

It is not anticipated that any H_2S is in the area, however in the event that H_2S is encountered, the attached H_2S Contingency Plan will be implemented. (Please refer to diagram 2 for choke manifold and closed loop system layout.) See H_2S location layout diagram for location of all H_2S equipment on location.

All H₂S safety equipment and systems will be installed, tested and be operational when drilling reaches a depth of 500' above, or three days prior to penetrating a known formation containing H₂S.

Lease Entrance Sign:

Caution signs should be located at all roads providing direct access to the location. Signs shall have a yellow background with black lettering and contain the words "CAUTION" and "POISON GAS" that is legible from a distance of at least 50 feet.

LEASE NAME CAUTION – POTENTIAL POISON GAS HYDROGEN SULFIDE NO ADMITTANCE WITHOUT AUTHORIZATION

Windsocks or Wind Streamers:

- A minimum of two 10" windsocks located at strategic locations so that they
 may be seen from any point on location.
- Wind streamers (if preferred) should be placed at various locations on the well site to ensure wind consciousness at all times. (Corners of location)

Hydrogen Sulfide Detector and Alarms:

• H₂S monitors with alarms will be located on the rig floor, at the cellar, and at the mud pits. These monitors will be set to alarm at 10 PPM with a red light and to alarm at 15 PPM with a red light and audible alarm.

Well Condition Flags:

The Well Condition flags should be located at all roads providing direct access to the location. It should have three (3) color coded flags (green, yellow and red) that will be used to denote the following location conditions:

GREEN – Normal Operating Conditions YELLOW – Potential Danger RED – Danger, H₂S Gas Present

Respiratory Equipment:

- Fresh air breathing equipment should be placed at the company supervision trailer and the safe briefing areas and should include the following:
 - A minimum of two SCBA's at each briefing area and the supervisor company supervision trailer.
 - Enough air line units to operate safely, anytime the H₂S concentration reaches the IDLH level (100 PPM).
 - Cascade system with enough breathing air hose and manifolds to reach the rig floor, the derrickman and the other operation areas.

Fire Extinguishers:

Adequate fire extinguishers shall be located at strategic locations.

Mud Program:

The mud program has been designed to minimize the volume of H_2S circulated to the surface. Proper mud weight, safe drilling practices and the use of H_2S scavengers will minimize hazards when penetrating H_2S bearing zones.

Metallurgy:

All drill strings, casing, tubing, wellhead; blowout preventer, drilling spools, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.

Well Control Equipment:

- Flare Line (See diagram 2).
- Choke manifold (See diagram 2).
- Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing units.
- Auxiliary equipment may include, if applicable, annular preventer & rotating head.

Communication Equipment:

 Proper communication equipment such as cell phones or 2 – way radios should be available for communication between the company man's trailer, rig floor and tool pusher's trailer.

Well Testing:

There will be no drill stem testing.

Evacuation Plan:

- Evacuation routes should be established prior to spudding the well.
- Should be discussed with all rig personnel.

Designated Areas:

Parking and Visitor area:

- All vehicles are to be parked at a pre-determined safe distance from the wellhead.
- A smoking area will be designated at a pre-determined safe distance from the wellhead and any other possible flammable areas.

Safe Briefing Areas:

 Two Safe Briefing Areas shall be designated on either side of the location at the maximum allowable distance from the well bore so they offset prevailing winds or they are at a 180 degree angle if wind directions tend to shift in the area. Personal protective equipment should be stored at both briefing areas or if a moveable cascade trailer is used, it should be kept upwind of existing winds. When wind is from the prevailing direction, both briefing areas should be accessible.

NOTE:

• Additional equipment will be available at Indian Fire and Safety in Hobbs, NM or at Total Safety in Hobbs, NM.

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EVACUATION PLAN

General Plan

The direct lines of action to protect the public from hazardous gas situations are as follows:

- 1. When the company approved supervisor (Drilling Foremen, Tool Pusher or Driller) determine that Hydrogen Sulfide gas cannot be limited to the well location, and the public will be involved, he will activate the evacuation plan. Escape routes are noted on the Area Map.
- 2. Company safety personnel or designee will notify the appropriate local government agency that a hazardous condition exists and evacuation needs to be implemented.
- 3. Company approved safety personnel that have been trained in the use of the proper emergency equipment will be utilized.
- 4. Law enforcement personnel (State Police, Local Police Department, Fire Department, and the Sheriff's Department) will be called to aid in setting up and maintaining road blocks. Also, they will aid in evacuation of the public if necessary.

NOTE: Law enforcement personnel will not be asked to come into a contaminated area. Their assistance will be limited to uncontaminated areas. Constant radio contact will be maintained with them.

5. After the discharge of gas has been controlled, Company approved safety personnel will determine when the area is safe for re-entry.

See Emergency Action Plan

Contacting Authorities

BOPCO L.P. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. (Operator Name)'s response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

H₂S CONTINGENCY PLAN EMERGENCY CONTACTS

BOPCO L.P. Midland Office

432-683-2277

Key P	ersonnel		
	Name	Title	Cell Phone Number
	Stephen Martinez	Drilling Supt.	432-556-0262
	Buddy Jenkins	Assistant Supt	
	-	Engineer	
	Pete Lensing		
	Charles Warne	Engineer	432-894-1392
	Artesia		
			911
	State Police		575-746-2703
	City Police		575-746-2703
	Sheriff's Office		
	Fire Department		575-746-2701
	Local Emergency Pla	nning Committee	575-746-2122
	New Mexico Oil Cons	servation Division	575-748-1283
	Carlsbad		
	Ambulance		911
	State Police		575-885-3137
	City Police		575-885-2111
			575-887-7551
	Fire Department		575-887-3798
		inning Committee	575-887-6544
	US Bureau of Land M	lanagement	575-887-6544
		ncy Response Commission (Santa Fe	,
	24 Hour		505-827-9126
	New Mexico State Em	nergency Operations Center	505-476-9635
	National Emergency	Response Center (Washington, DC)_	800-424-8802
	Other		
	Wild Well Control	43	2-550-6202 (Permian Basin)
	Cudd PressureContro	ol432-580-3544 or 43	2-570-5300 (Permian Basin)
	Flight For Life - 4000	24th St. Lubbock, Texas	806-743-9911
	Aerocare - R3, Box 4	9F, Lubbock, Texas	806-747-8923
	Med Flight Air Amb -	2301 Yale Blvd SE #D3, Albuq., NM_	505-842-4433
	S B Air Med Service -	- 2505 Clark Carr Loop SE, Albuq., N	M505-842-4949
	Indian Fire and Safet	y – 3317 NW Cnty Rd, Hobbs, NM	575-393-3093
	Total Safety – 3229 Ir	ndustrial Dr., Hobbs, NM	575-392-2973

TOXIC EFFECTS OF HYDROGEN SULFIDE

Hydrogen Sulfide is extremely toxic. The acceptable ceiling concentration for eight-hour exposure is 10 PPM, which is .001% by volume. Hydrogen Sulfide is heavier than air (specific gravity = 1.192) and colorless. It forms an explosive mixture with air between 4.3 and 46.0 percent by volume. Hydrogen sulfide is almost as toxic as hydrogen cyanide and is between five and six times more toxic than carbon monoxide. Toxicity data for hydrogen sulfide and various other gases are compared in Table I. Physical effects at various Hydrogen Sulfide exposure levels are shown in Table II.

Table I - TOXICITY OF VARIOUS GASES

Common Name	Chemical Formula	Specific Gravity (SC=1)	Threshold Limit (1)	Hazardous Limit (2)	Lethal Concentration (3)
Hydrogen Cyanide	HCN	0.94	10 PPM	150 PPM/HR	300 PPM
Hydrogen Sulfide	H2S	1.18	10 PPM	250 PPM/HR	600 PPM
Sulfur Dioxide	SO2	2.21	5 PPM		1000 PPM
Chlorine	CL2	2.45	1 PPM	4 PPM/HR	1000 PPM
Carbon Monoxide	со	0.97	50 PPM	400 PPM/HR	1000 PPM
Carbon Dioxide	CO2	1.52	5000 PPM	5%	10%
Methane	CH4	0.55	90,000 PPM	Combustible in air	Above 5%

- 1) Threshold Limit Concentration at which it is believed that all worker may be repeatedly exposed day after day without adverse effects.
- 2) Hazardous Limit Concentration that will cause death with short-term exposure.
- 3) Lethal Concentration Concentration that will cause death with short-term exposure.

Table II – PHYSICAL EFFECTS OF HYDROGEN SULFIDE

Percent (%)	PPM	Concentration Grains 100 STD. FT3*	Physical Effects
0.001	< 10	00.65	Obvious & unpleasant odor.
0.002	10	01.30	Safe for 8 hours of exposure.
0.010	100	06.48	Kills smell in 3-15 minutes. May sting eyes & throat.
0.020	200	12.96	Kills smell shortly; stings eyes & throat.
0.050	500	32.96	Dizziness; Breathing ceases in a few minutes. Needs prompt artificial respiration.
0.070	700	45.36	Unconscious quickly; Death will result if not rescued promptly.
0.100	1000	64.30	Unconscious at once; Followed by death within minutes.

• At 15.00 PSIA and 60° F.

USE OF SELF-CONTAINED BREATHING APPARATUS

- Anyone who uses an SCBA shall: Be approved by a physician or licensed health care practitioner; Pass a fit test; Be trained in donning and doffing, proper use, including how to ensure a proper face seal, conducting an inspection of the SCBA, and conduct proper maintenance.
- 2. Such items as facial hair (beard or sideburns) and eyeglasses will not allow a proper face mask seal.
- 3. Anyone reasonably expected to wear SCBA's shall have these items removed before entering a toxic atmosphere.
- 4. A special mask with a mount for prescription glasses must be obtained for anyone who must wear eyeglasses in order to see while using an SCBA.
- 5. SCBA's should be worn in H₂S concentrations above 10 PPM.

RESCUE & FIRST AID FOR H2S POISONING

DO NOT PANIC - REMAIN CALM - THINK

- 1. Hold your breath do not inhale first.
- 2. Put on SCBA.
- 3. Remove victim(s) to fresh air as quickly as possible. Go upwind from source or at right angle to the wind. Do not go downwind.
- Briefly apply chest pressure using arm lift method of artificial respiration to clean victim's lungs and to avoid inhaling any toxic gas directly from victim's lungs.
- 5. Provide artificial respiration if needed.
- 6. Provide for prompt transportation to the hospital and continue giving artificial respiration if needed.
- 7. Inform hospital/medical facilities of the possibility of H2S gas poisoning before they treat.

Besides basic first aid, everyone on location should have a good working knowledge of artificial respiration and CPR, as well as first aid for eyes and skin contact with liquid H₂S.

Proposed H2S Safety Schematic

- 1) Location of windsocks:
- 4) Terrain of surrounding area (Please refer to page 2 of survey plat package also see point 11 of multi-surface use plan)
- 2) Location of H2S alarms
- 5) Location of flare line(s) and pit(s) (Please refer to diagram 2 choke manifold diagram and or page six of survey plat packet)
- 3) Location of briefing areas.
- 6) Location of caution and/or danger signs.
- (7) Location of Breathing Equipment

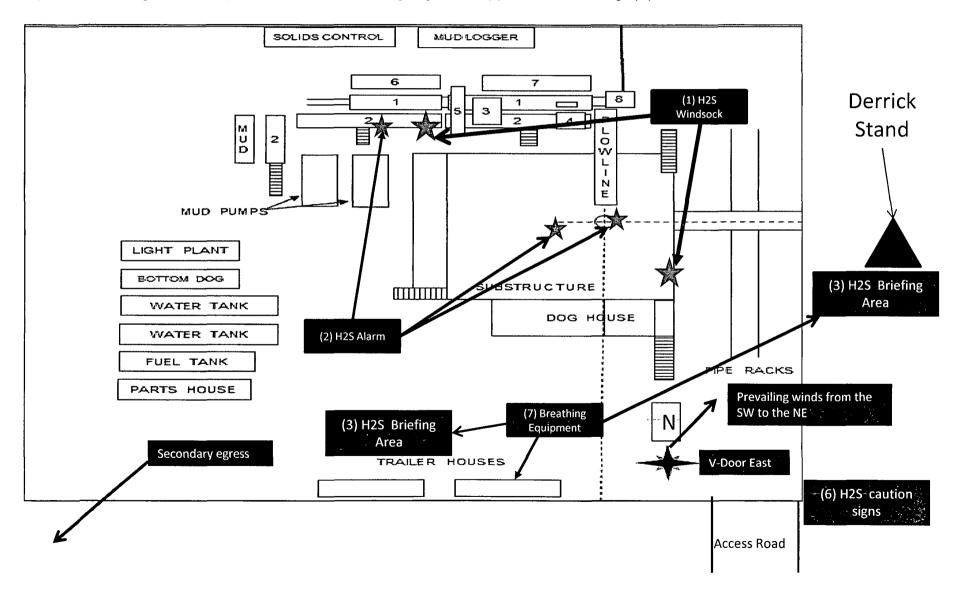


Diagram 3 BOPCO, Poker Lake Unit 376H Interim Reclamation Well Pad Layout North 170′ 160' Area for Interim Reclamation 105' 135' 170′ 130' Center hole

Location On-Site Notes

On August 11, 2011 a BLM on-site meeting was held with Cecil Watkins- BOPCO, L.P., Randy Rust- BLM, and Robert Gomez- Basin Surveys. The Poker Lake Unit 376H was approved with a location call at 814' FSL & 1630' FEL in Section 3, T25S-R30E. V-door will face the east.

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: LEASE NO.: LC063873A

WELL NAME & NO.: 376H Poker Lake Unit

SURFACE HOLE FOOTAGE: 814' FSL & 1630' FEL

BOTTOM HOLE FOOTAGE 2000' FSL & 2450' FWL, Sec 11, T.25S., R30E

LOCATION: Section 3, T.25 S., R.30 E., NMPM

COUNTY: Eddy County, New Mexico

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Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

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