

OCD-ARTESIA

Form 3160-3
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007 **EA 1251**

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. BHL: NM-031382 (see box six)
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name Lease info cont. on pg 1 of 8pt DP
2. Name of Operator BOPCO, L. P.		7. If Unit or CA Agreement, Name and No. Poker Lake Unit NMNM71016X
3a. Address P. O. Box 2760 Midland, TX 79702		8. Lease Name and Well No. Poker Lake Unit 312H
3b. Phone No. (include area code) 432-683-2277		9. API Well No. 30-015-38469
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NWNW SENW, UL B, 1100' FNL, 1750; FEL, Lat:N32.177903, Long:W103.779364 At proposed prod. zone 70' FSL, 2275' FWL, Sec 34, T24S, R31E, Lat:N32.166861, Lng:W103.766325		10. Field and Pool, or Exploratory Poker Lake NW (Delaware)
14. Distance in miles and direction from nearest town or post office* 20 miles east of Malaga, NM		11. Sec., T. R. M. or Blk and Survey or Area SL: Sec 33, T24S, R31E, Mer NMP
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig. unit line, if any) 1100'	16. No. of acres in lease 3866.63	17. Spacing Unit dedicated to this well 440
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 397'	19. Proposed Depth 13,620' MD, 8184'	20. BLM/BIA Bond No. on file COB 000050
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3461'	22. Approximate date work will start* 02/09/2012	23. Estimated duration 30 Days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer

25. Signature <i>Jeremy Braden</i>	Name (Printed/Typed) Jeremy Braden	Date 8-11-11
Title Engineering Assistant		
Approved by (Signature) <i>Isi Don Peterson</i>	Name (Printed/Typed) Isi Don Peterson	Date SEP 27 2011
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

**APPROVAL SUBJECT TO -
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED**

Surface casing is to be set into the Rustler below all fresh water sands at an approximate depth of 947' and cement circulated to surface.

7" casing will be set at approximately 8600' MD, 8133' TVD (thru curve) and cemented in two stages with DV Tool set at approximately 5000'. Cement top 500' into 9-5/8" intermediate.

Production liner will be 4-1/2" with Baker hydraulic packers for zone isolation. Top of 4-1/2" liner will be 150' above 7" casing shoe at an approximate depth of 8450' MD.

Drilling procedure, BOP diagram, and anticipated tops are attached.

This well is located outside the R111 Potash area and Secretary's Potash area.

The surface location is nonstandard and located inside the Poker Lake Unit.

The bottom hole location is nonstandard and located inside the Poker Lake Unit

Surface Lease Numbers – NM-030454, NM-033215, ~~NM-030457~~ *OK – not surface – part of project area,*

Bottom hole lease numbers – NM 031382

BOPCO, L.P., at P. O. Box 2760, Midland, TX, 79702 is a subsidiary of BOPCO, L.P., 201 Main Street, Ft. Worth, TX, 76102. Bond No. COB000050 (Nationwide).

EIGHT POINT DRILLING PROGRAM BOPCO, L.P.

NAME OF WELL: Poker Lake Unit #312H

LEGAL DESCRIPTION - SURFACE: 1100' FNL, 1750' FEL, Section 33, T24S, R31E, Eddy County, NM.
BHL: 70' FSL, 2275' FWL, Section 34, T24S, R31E, 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 3483' (estimated)
GL 3461'

FORMATION	ESTIMATED TOP FROM KB		ESTIMATED SUB-SEA TOP	BEARING
	TVD	MD		
T/Fresh Water	368'	368'	+ 3,115'	Fresh Water
T/Rustler	542'	542'	+ 2,941'	Barren
T/Salt	957'	957'	+ 2,526'	Barren
B/Salt	4127'	4127'	- 644'	Barren
T/Lamar	4343'	4343'	- 860'	Barren
T/Ramsey	4391'	4391'	- 908'	Oil/Gas
T/Lower Cherry Canyon	6389'	6389'	- 2,906'	Oil/Gas
KOP	7654'	7654'	- 4,171'	Oil/Gas
T/Lwr Brushy Canyon "U" Sd	7772'	7773'	- 4,289'	Oil/Gas
T/Lwr Brushy Canyon "8A" Sd	7945'	7966'	- 4,462'	Oil/Gas
T/Lwr Brushy Canyon "Y" Sd	8098'	8223'	- 4,615'	Oil/Gas
Target #1	8132'	8400'	- 4,649'	Oil/Gas
EOC	8132'	8400'	- 4,649'	Oil/Gas
TD Horizontal Hole	8184'	13,620'	- 4,701'	Oil/Gas

POINT 3: CASING PROGRAM

TYPE	INTERVALS (MD)	Hole Size	PURPOSE	CONDITION
20"	0' - 80'	24"	Conductor	Contractor Discretion
13-3/8", 48#, H-40, or 54.5#, J-55 8rd, ST&C*	0' - 947'	17-1/2"	Surface	New
9-5/8", 40#, N-80, 8rd, LT&C	0' - 4363' ⁴³²⁵	12-1/4"	Intermediate	New
7", 26#, N-80, Buttress or 8rd LTC*	0' - 8600'	8-3/4"	Production	New
4-1/2", 11.6#, HCP-110, 8rd, LT&C	8450' - 13,620'	6-1/8"	Production	New

CASING DESIGN SAFETY FACTORS:

TYPE	TENSION	COLLAPSE	BURST
13-3/8", 48#, H-40, 8rd, ST&C	8.19	1.56	3.27
13-3/8", 54.5#, J-55, 8rd, STC	19.23	2.45	5.17
9-5/8", 40#, N-80, 8rd, LT&C	5.00	1.22	2.36
7", 26#, N-80, Buttress	3.30	1.21	1.60
7", 26#, N-80, 8rd, LTC	2.69	1.13	1.60
4-1/2", 11.6#, HCP-110, 8rd, LT&C	3.41	1.87	2.27

* 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 at 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 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 (0.52 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. 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.

2ND INTERMEDIATE CASING - (7")

Tension	A 1.6 design factor utilizing the effects of buoyancy (9.0 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 1.25 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.

PRODUCTION CASING - (4-1/2")

Tension	A 1.6 design factor utilizing the effects of buoyancy (9.0 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 1.25 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)

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.

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' - 947'	FW Spud Mud	8.5 - 9.2	38-70	NC	NC	NC	10.0
947' - 4363'	Brine Water	9.8 - 10.2	28-30	NC	NC	NC	9.5 - 10.5
4363' - 8600'	FW/Gel	8.7 - 9.0	28-36	NC	NC	NC	9.5 - 10.0
8600' - 13,620'	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

<u>INTERVAL</u>	<u>AMOUNT SXS</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
SURFACE:						
Lead: 0' – 447'	370	447	ExtendaCem CZ	8.72	13.70	1.68
Tail: 447' – 947'	450	500	ExtendaCem CZ	8.72	13.70	1.68
INTERMEDIATE:						
Lead: 0' – 3863'	1320	3863	EconoCem HLC 5% CaCl + 5 #/sk Gilsonite	9.32	12.90	1.85
Tail: 3863' – 4363'	270	500	HalCem C	6.34	14.80	1.33
2ND INTERMEDIATE						
Stage 1:						
Lead: 5000' - 7554'	220	2554	Tuned Light + 0.75% CFR-3 + 1.5#/sk CaCl	12.41	10.20	2.76
Tail: 7554'-8600'	160	1046	VersaCem-PBSH2 + 0.4% Halad-9	8.76	13.0	1.65
DV Tool @ 5000'						
Stage 2:						
Lead: 3863'–4500'	70	637	EconoCem HLC + 1% Econolite + 5% CaCl + 5#/sk Gilsonite	10.71	12.60	2.04
Tail: 4500'-5000'	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.

2nd Intermediate – 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) 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 7654' at which point a directional hole will be kicked off and drilled at an azimuth of 134.575 degrees, building angle at 12 deg/100' to 89.429 degrees at a TVD of 8132' (MD 8400'). This angle and azimuth will be maintained for 200' to a measured depth of 8600' (8133' 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 TOC at 3863' (500' above 9-5/8" casing shoe). A 6-1/8" open hole lateral will then be drilled out from 7" casing at an azimuth of 134.575 degrees, inclination of 89.429 degrees to a measured depth of 13,620', TVD 8184'. At this depth 4-1/2", 11.6#, HCP-110, 8rd, LTC casing will be installed with Baker hydraulic packers installed for zone isolation in the lateral. The top of 4-1/2" liner will be located at approximately 8450' MD (150' above 7" casing shoe).

F) H₂S Safety Equipment

As stated in the BLM Onshore Order 6, for wells located in the SOPA, H₂S equipment will be rigged up after setting surface casing. For the wells located inside the SOPA the flare pit or ½ steel pits will be located 150' from the location. For wells located outside the SOPA the flare pit or ½ steel pit will be located 100' away from the location. **(See page 6 of Survey plat package)** 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.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section. A BHP of 3427 psi (max) or MWE of 8.4 ppg is expected. Lost circulation may exist in the Delaware Section from 4343'-8184' 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.

Location: Eddy County, NM
Field: Poker Lake Unit
Facility: Poker Lake Unit No. 312H

Slot: No. 312H
Well: No. 312H
Wellbore: No. 312H PWB



BGM (1045.0 to 2012.0) Dip 60.11° Field 48583.8 nT
Magnetic North is 7.71 degrees East of True North (at 7/22/2011)
Grid North is 0.20 degrees East of True North
To correct azimuth from True to Grid subtract 0.30 degrees
To correct azimuth from Magnetic to Grid add 7.42 degrees
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.42 = 97.42

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	134.575	22.00	0.00	0.00	0.00	0.00
Est KOP	7654.00	0.000	134.575	7654.00	0.00	0.00	0.00	0.00
EOC	8400.11	89.429	134.575	8132.00	-332.15	337.12	11.99	473.25
Target Line	8400.13	89.429	134.575	8132.00	-332.17	337.13	2.00	473.28
No 312H PBHL	13620.60	89.429	134.575	8184.00	-3995.94	4055.64	0.00	5693.48

Plot reference wellpath is Prelim 2

True vertical depths are referenced to Rig on No. 312H (KB)

Measured depths are referenced to Rig on No. 312H (KB)

Rig on No. 312H (KB) to Mean Sea Level: 3483 feet

Mean Sea Level to Mud line (At Slot: No. 312H): -3461 feet

Coordinates are in feet referenced to Slot

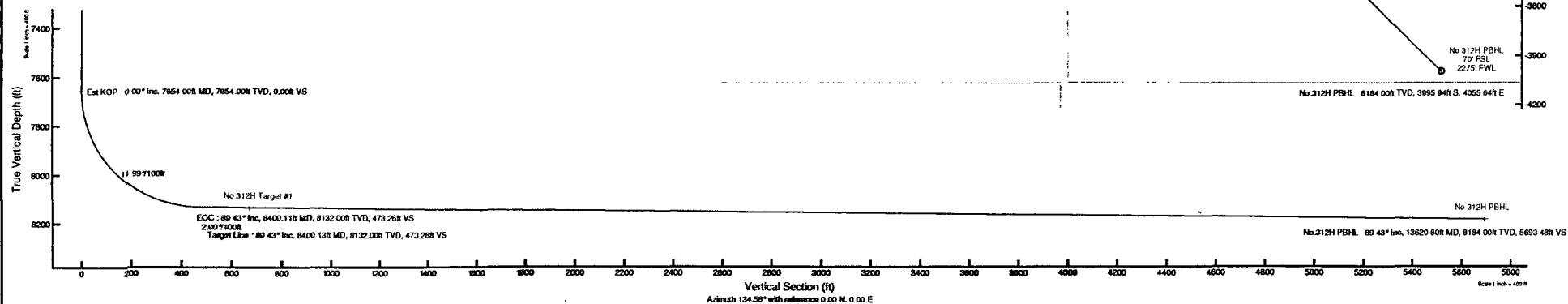
Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet

North Reference: Grid north

Scale: True distance

Depths are in feet

Created by genibry on 7/27/2011





Planned Wellpath Report

Prelim_2

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No. 312H
Area	Eddy County, NM	Well	No. 312H
Field	Poker Lake Unit	Wellbore	No. 312H PWB
Facility	Poker Lake Unit No. 312H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	0.999943	Report Generated	7/27/2011 at 8:10:07 AM
Convergence at slot	0.30° East	Database/Source file	WA Midland/No. 312H_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W
Facility Reference Pt			671396.36	428882.90	32°10'40.451"N	103°46'45.710"W
Field Reference Pt			630272.49	405347.85	32°06'49.387"N	103°54'45.266"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 312H (KB) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Slot	Rig on No. 312H (KB) to Mean Sea Level	3483.00ft
Vertical Reference Pt	Rig on No. 312H (KB)	Rig on No. 312H (KB) to Mud Line at Slot (No. 312H)	22.00ft
MD Reference Pt	Rig on No. 312H (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	134.58°



Planned Wellpath Report

Prelim_2

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No. 312H
Area	Eddy County, NM	Well	No. 312H
Field	Poker Lake Unit	Wellbore	No. 312H PWB
Facility	Poker Lake Unit No. 312H		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

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	134.575	0.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
22.00	0.000	134.575	22.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	Tie On
122.00†	0.000	134.575	122.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
222.00†	0.000	134.575	222.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
322.00†	0.000	134.575	322.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
422.00†	0.000	134.575	422.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
522.00†	0.000	134.575	522.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
542.00†	0.000	134.575	542.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	Rustler
622.00†	0.000	134.575	622.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
722.00†	0.000	134.575	722.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
822.00†	0.000	134.575	822.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
922.00†	0.000	134.575	922.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
957.00†	0.000	134.575	957.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	Salt
1022.00†	0.000	134.575	1022.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1122.00†	0.000	134.575	1122.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1222.00†	0.000	134.575	1222.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1322.00†	0.000	134.575	1322.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1422.00†	0.000	134.575	1422.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1522.00†	0.000	134.575	1522.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1622.00†	0.000	134.575	1622.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1722.00†	0.000	134.575	1722.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1822.00†	0.000	134.575	1822.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
1922.00†	0.000	134.575	1922.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2022.00†	0.000	134.575	2022.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2122.00†	0.000	134.575	2122.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2222.00†	0.000	134.575	2222.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2322.00†	0.000	134.575	2322.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2422.00†	0.000	134.575	2422.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2522.00†	0.000	134.575	2522.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2622.00†	0.000	134.575	2622.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2722.00†	0.000	134.575	2722.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2822.00†	0.000	134.575	2822.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
2922.00†	0.000	134.575	2922.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3022.00†	0.000	134.575	3022.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3122.00†	0.000	134.575	3122.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3222.00†	0.000	134.575	3222.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3322.00†	0.000	134.575	3322.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3422.00†	0.000	134.575	3422.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3522.00†	0.000	134.575	3522.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3622.00†	0.000	134.575	3622.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3722.00†	0.000	134.575	3722.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3822.00†	0.000	134.575	3822.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
3922.00†	0.000	134.575	3922.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4022.00†	0.000	134.575	4022.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4122.00†	0.000	134.575	4122.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No. 312H
Area	Eddy County, NM	Well	No. 312H
Field	Poker Lake Unit	Wellbore	No. 312H PWB
Facility	Poker Lake Unit No. 312H		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station												
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
4127.00†	0.000	134.575	4127.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	B/Salt
4222.00†	0.000	134.575	4222.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4322.00†	0.000	134.575	4322.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4343.00†	0.000	134.575	4343.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	Lamar Lime
4391.00†	0.000	134.575	4391.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	Ramsey
4422.00†	0.000	134.575	4422.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4522.00†	0.000	134.575	4522.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4622.00†	0.000	134.575	4622.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4722.00†	0.000	134.575	4722.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4822.00†	0.000	134.575	4822.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
4922.00†	0.000	134.575	4922.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5022.00†	0.000	134.575	5022.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5122.00†	0.000	134.575	5122.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5222.00†	0.000	134.575	5222.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5322.00†	0.000	134.575	5322.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5422.00†	0.000	134.575	5422.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5522.00†	0.000	134.575	5522.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5622.00†	0.000	134.575	5622.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5722.00†	0.000	134.575	5722.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5822.00†	0.000	134.575	5822.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
5922.00†	0.000	134.575	5922.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6022.00†	0.000	134.575	6022.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6122.00†	0.000	134.575	6122.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6222.00†	0.000	134.575	6222.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6322.00†	0.000	134.575	6322.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6389.00†	0.000	134.575	6389.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	Lower Cherry Canyon
6422.00†	0.000	134.575	6422.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6522.00†	0.000	134.575	6522.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6622.00†	0.000	134.575	6622.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6722.00†	0.000	134.575	6722.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6822.00†	0.000	134.575	6822.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
6922.00†	0.000	134.575	6922.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
7022.00†	0.000	134.575	7022.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
7122.00†	0.000	134.575	7122.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
7222.00†	0.000	134.575	7222.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
7322.00†	0.000	134.575	7322.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
7422.00†	0.000	134.575	7422.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
7522.00†	0.000	134.575	7522.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
7622.00†	0.000	134.575	7622.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	
7654.00	0.000	134.575	7654.00	0.00	0.00	0.00	671396.36	428882.90	32°10'40.451"N	103°46'45.710"W	0.00	Est KOP
7722.00†	8.150	134.575	7721.77	4.83	-3.39	3.44	671399.80	428879.51	32°10'40.417"N	103°46'45.670"W	11.99	
7773.23†	14.291	134.575	7772.00	14.79	-10.38	10.54	671406.90	428872.52	32°10'40.348"N	103°46'45.588"W	11.99	Brushy Canyon "U"
7822.00†	20.136	134.575	7818.56	29.22	-20.51	20.81	671417.17	428862.39	32°10'40.247"N	103°46'45.469"W	11.99	
7922.00†	32.122	134.575	7908.18	73.18	-51.36	52.13	671448.48	428831.54	32°10'39.940"N	103°46'45.107"W	11.99	
7966.86†	37.500	134.575	7945.00	98.78	-69.33	70.36	671466.72	428813.58	32°10'39.761"N	103°46'44.895"W	11.99	LBC 8A



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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No. 312H
Area	Eddy County, NM	Well	No. 312H
Field	Poker Lake Unit	Wellbore	No. 312H PWB
Facility	Poker Lake Unit No. 312H		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

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
8022.00†	44.108	134.575	7986.71	134.79	-94.60	96.02	671492.37	428788.30	32°10'39.510"N	103°46'44.599"W	11.99	
8122.00†	56.094	134.575	8050.74	211.37	-148.35	150.57	671546.92	428734.56	32°10'38.975"N	103°46'43.967"W	11.99	
8222.00†	68.080	134.575	8097.47	299.57	-210.25	213.40	671609.74	428672.66	32°10'38.360"N	103°46'43.240"W	11.99	
8223.43†	68.252	134.575	8098.00	300.91	-211.19	214.35	671610.69	428671.72	32°10'38.350"N	103°46'43.229"W	11.99	LBC "Y" Sand
8322.00†	80.066	134.575	8124.86	395.56	-277.62	281.77	671678.11	428605.30	32°10'37.689"N	103°46'42.448"W	11.99	
8400.11	89.429	134.575	8132.00	473.26	-332.15	337.12	671733.46	428550.77	32°10'37.147"N	103°46'41.808"W	11.99	EOC
8400.13	89.429	134.575	8132.00	473.28	-332.17	337.13	671733.47	428550.75	32°10'37.147"N	103°46'41.808"W	2.00	Target Line
8422.00†	89.429	134.575	8132.22	495.14	-347.51	352.71	671749.05	428535.41	32°10'36.994"N	103°46'41.627"W	0.00	
8522.00†	89.429	134.575	8133.21	595.14	-417.69	423.94	671820.27	428465.23	32°10'36.296"N	103°46'40.803"W	0.00	
8622.00†	89.429	134.575	8134.21	695.13	-487.88	495.17	671891.50	428395.05	32°10'35.598"N	103°46'39.978"W	0.00	
8722.00†	89.429	134.575	8135.21	795.13	-558.06	566.40	671962.72	428324.88	32°10'34.900"N	103°46'39.154"W	0.00	
8822.00†	89.429	134.575	8136.20	895.12	-628.24	637.63	672033.95	428254.70	32°10'34.202"N	103°46'38.329"W	0.00	
8922.00†	89.429	134.575	8137.20	995.12	-698.42	708.85	672105.17	428184.52	32°10'33.504"N	103°46'37.505"W	0.00	
9022.00†	89.429	134.575	8138.19	1095.12	-768.60	780.08	672176.40	428114.35	32°10'32.805"N	103°46'36.680"W	0.00	
9122.00†	89.429	134.575	8139.19	1195.11	-838.78	851.31	672247.62	428044.17	32°10'32.107"N	103°46'35.856"W	0.00	
9222.00†	89.429	134.575	8140.19	1295.11	-908.96	922.54	672318.85	427973.99	32°10'31.409"N	103°46'35.031"W	0.00	
9322.00†	89.429	134.575	8141.18	1395.10	-979.14	993.77	672390.07	427903.81	32°10'30.711"N	103°46'34.207"W	0.00	
9422.00†	89.429	134.575	8142.18	1495.10	-1049.32	1065.00	672461.30	427833.64	32°10'30.013"N	103°46'33.383"W	0.00	
9522.00†	89.429	134.575	8143.17	1595.09	-1119.51	1136.23	672532.52	427763.46	32°10'29.315"N	103°46'32.558"W	0.00	
9622.00†	89.429	134.575	8144.17	1695.09	-1189.69	1207.46	672603.75	427693.28	32°10'28.617"N	103°46'31.734"W	0.00	
9722.00†	89.429	134.575	8145.17	1795.08	-1259.87	1278.69	672674.97	427623.11	32°10'27.919"N	103°46'30.909"W	0.00	
9822.00†	89.429	134.575	8146.16	1895.08	-1330.05	1349.92	672746.20	427552.93	32°10'27.221"N	103°46'30.085"W	0.00	
9922.00†	89.429	134.575	8147.16	1995.07	-1400.23	1421.15	672817.42	427482.75	32°10'26.522"N	103°46'29.260"W	0.00	
10022.00†	89.429	134.575	8148.16	2095.07	-1470.41	1492.38	672888.65	427412.58	32°10'25.824"N	103°46'28.436"W	0.00	
10122.00†	89.429	134.575	8149.15	2195.06	-1540.59	1563.61	672959.87	427342.40	32°10'25.126"N	103°46'27.611"W	0.00	
10222.00†	89.429	134.575	8150.15	2295.06	-1610.77	1634.84	673031.10	427272.22	32°10'24.428"N	103°46'26.787"W	0.00	
10322.00†	89.429	134.575	8151.14	2395.05	-1680.95	1706.07	673102.33	427202.05	32°10'23.730"N	103°46'25.963"W	0.00	
10422.00†	89.429	134.575	8152.14	2495.05	-1751.13	1777.30	673173.55	427131.87	32°10'23.032"N	103°46'25.138"W	0.00	
10522.00†	89.429	134.575	8153.14	2595.04	-1821.32	1848.53	673244.78	427061.69	32°10'22.334"N	103°46'24.314"W	0.00	
10622.00†	89.429	134.575	8154.13	2695.04	-1891.50	1919.75	673316.00	426991.52	32°10'21.635"N	103°46'23.489"W	0.00	
10722.00†	89.429	134.575	8155.13	2795.03	-1961.68	1990.98	673387.23	426921.34	32°10'20.937"N	103°46'22.665"W	0.00	
10822.00†	89.429	134.575	8156.12	2895.03	-2031.86	2062.21	673458.45	426851.16	32°10'20.239"N	103°46'21.841"W	0.00	
10922.00†	89.429	134.575	8157.12	2995.02	-2102.04	2133.44	673529.68	426780.98	32°10'19.541"N	103°46'21.016"W	0.00	
11022.00†	89.429	134.575	8158.12	3095.02	-2172.22	2204.67	673600.90	426710.81	32°10'18.843"N	103°46'20.192"W	0.00	
11122.00†	89.429	134.575	8159.11	3195.01	-2242.40	2275.90	673672.13	426640.63	32°10'18.145"N	103°46'19.367"W	0.00	
11222.00†	89.429	134.575	8160.11	3295.01	-2312.58	2347.13	673743.35	426570.45	32°10'17.447"N	103°46'18.543"W	0.00	
11322.00†	89.429	134.575	8161.10	3395.00	-2382.76	2418.36	673814.58	426500.28	32°10'16.748"N	103°46'17.719"W	0.00	
11422.00†	89.429	134.575	8162.10	3495.00	-2452.95	2489.59	673885.80	426430.10	32°10'16.050"N	103°46'16.894"W	0.00	
11522.00†	89.429	134.575	8163.10	3594.99	-2523.13	2560.82	673957.03	426359.92	32°10'15.352"N	103°46'16.070"W	0.00	
11622.00†	89.429	134.575	8164.09	3694.99	-2593.31	2632.05	674028.25	426289.75	32°10'14.654"N	103°46'15.245"W	0.00	
11722.00†	89.429	134.575	8165.09	3794.98	-2663.49	2703.28	674099.48	426219.57	32°10'13.956"N	103°46'14.421"W	0.00	
11822.00†	89.429	134.575	8166.08	3894.98	-2733.67	2774.51	674170.70	426149.39	32°10'13.258"N	103°46'13.597"W	0.00	
11922.00†	89.429	134.575	8167.08	3994.97	-2803.85	2845.74	674241.93	426079.22	32°10'12.560"N	103°46'12.772"W	0.00	
12022.00†	89.429	134.575	8168.08	4094.97	-2874.03	2916.97	674313.15	426009.04	32°10'11.861"N	103°46'11.948"W	0.00	
12122.00†	89.429	134.575	8169.07	4194.96	-2944.21	2988.20	674384.38	425938.86	32°10'11.163"N	103°46'11.124"W	0.00	



Planned Wellpath Report

Prelim_2

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No. 312H
Area	Eddy County, NM	Well	No. 312H
Field	Poker Lake Unit	Wellbore	No. 312H PWB
Facility	Poker Lake Unit No. 312H		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

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
12222.00†	89.429	134.575	8170.07	4294.96	-3014.39	3059.42	674455.60	425868.69	32°10'10.465"N	103°46'10.299"W	0.00	
12322.00†	89.429	134.575	8171.06	4394.95	-3084.57	3130.65	674526.83	425798.51	32°10'09.767"N	103°46'09.475"W	0.00	
12422.00†	89.429	134.575	8172.06	4494.95	-3154.76	3201.88	674598.05	425728.33	32°10'09.069"N	103°46'08.650"W	0.00	
12522.00†	89.429	134.575	8173.06	4594.94	-3224.94	3273.11	674669.28	425658.15	32°10'08.371"N	103°46'07.826"W	0.00	
12622.00†	89.429	134.575	8174.05	4694.94	-3295.12	3344.34	674740.50	425587.98	32°10'07.672"N	103°46'07.002"W	0.00	
12722.00†	89.429	134.575	8175.05	4794.93	-3365.30	3415.57	674811.73	425517.80	32°10'06.974"N	103°46'06.177"W	0.00	
12822.00†	89.429	134.575	8176.05	4894.93	-3435.48	3486.80	674882.95	425447.62	32°10'06.276"N	103°46'05.353"W	0.00	
12922.00†	89.429	134.575	8177.04	4994.92	-3505.66	3558.03	674954.18	425377.45	32°10'05.578"N	103°46'04.529"W	0.00	
13022.00†	89.429	134.575	8178.04	5094.92	-3575.84	3629.26	675025.41	425307.27	32°10'04.880"N	103°46'03.704"W	0.00	
13122.00†	89.429	134.575	8179.03	5194.91	-3646.02	3700.49	675096.63	425237.09	32°10'04.182"N	103°46'02.880"W	0.00	
13222.00†	89.429	134.575	8180.03	5294.91	-3716.20	3771.72	675167.86	425166.92	32°10'03.483"N	103°46'02.056"W	0.00	
13322.00†	89.429	134.575	8181.03	5394.90	-3786.39	3842.95	675239.08	425096.74	32°10'02.785"N	103°46'01.231"W	0.00	
13422.00†	89.429	134.575	8182.02	5494.90	-3856.57	3914.18	675310.31	425026.56	32°10'02.087"N	103°46'00.407"W	0.00	
13522.00†	89.429	134.575	8183.02	5594.89	-3926.75	3985.41	675381.53	424956.39	32°10'01.389"N	103°45'59.583"W	0.00	
13620.60	89.429	134.575	8184.00†	5693.48	-3995.94	4055.64	675451.76	424887.19	32°10'00.700"N	103°45'58.770"W	0.00	No.312H PBHL

HOLE & CASING SECTIONS - Ref Wellbore: No. 312H PWB Ref Wellpath: Prelim_2

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
7in Casing	22.00	8600.00	8578.00	22.00	8133.99	0.00	0.00	-472.44	479.50

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.312H Target #1		8134.00	-467.33	477.77	671874.10	428415.60	32°10'35.802"N	103°46'40.179"W	point
1) No.312H PBHL	13620.60	8184.00	-3995.94	4055.64	675451.76	424887.19	32°10'00.700"N	103°45'58.770"W	point

SURVEY PROGRAM - Ref Wellbore: No. 312H PWB Ref Wellpath: Prelim_2

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
22.00	13620.60	NaviTrak (Standard)		No. 312H PWB

13 5/8" X 5-M WP BOPE WITH 5-M WP ANNULAR

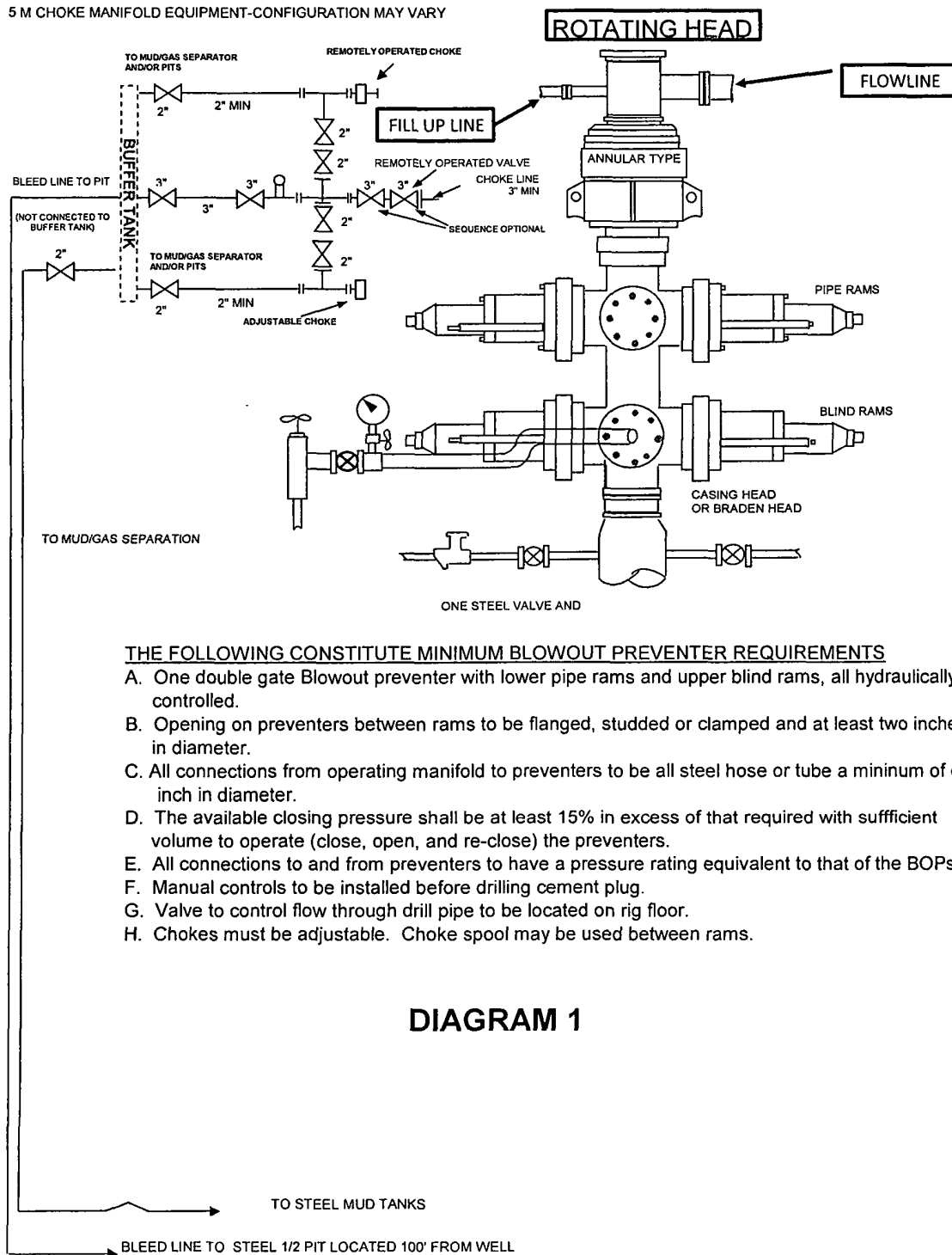


DIAGRAM 1

Operator BOPCO OGRID # 260737
Well Name & # POKER LAKE 312H Surface Type (F) (S) (P)
Location: UL B, Sect 33, Township 24s, RNG 31e, Sub-surface Type (F) (S) (P)

B. 1. Check mark, Information is OK on Forms:
OGRID ☒ , BONDING ☐ , PROP CODE ☒ , WELL # 3124 , SIGNATURE '

2. Inactive Well list as of: 10/3/2011 # wells 419 , # Inactive wells 4

a. District Grant APD but see number of inactive wells:
No letter required ☐ ; Sent Letter to Operator ☐ , to Santa Fe ☐

3. Additional Bonding as of: 10/3/2011

a. District Denial because operator needs addition bonding:
No Letter required ☒ ; Sent Letter to Operator ☐ , To Santa Fe ☐

b. District Denial because of Inactive well list and Financial Assurance:
No Letter required ☒ ; Sent Letter to Operator ☐ , To Santa Fe ☐

6. DHC from SF _____; DHC-HOB _____; Holding _____

API #30-015-39469

8. Reviewers