

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER		CONFIDENTIAL		5. Lease Serial No. NMLC061705A
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		2. Name of Operator BOPCO, L.P.		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 2760 MIDLAND, TX 79702		3b. Phone No. (include area code) Ph: 432-683-2277		7. If Unit or CA Agreement, Name and No NMNM71016X
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWSW Lot L 2425FSL 1130FWL 32.173686 N Lat, 103.856064 W Lon At proposed prod. zone SWSE Lot N 930FSL 2645FWL 32.184008 N Lat, 103.868539 W Lon		9. API Well No 30-015-39480		8. Lease Name and Well No. POKER LAKE UNIT 346H
14. Distance in miles and direction from nearest town or post office* 17 MILES EAST OF MALAGA, NM		15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1130'		10. Field and Pool, or Exploratory POKER LAKE NW (DELAWARE)
16. No. of Acres in Lease 5055.40		17. Spacing Unit dedicated to this well 280.00		11. Sec., T, R, M., or Blk. and Survey or Area Sec 35 T24S R30E Mer NMP
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft 3051'		19. Proposed Depth 129247 MD 7701 TVD		12. County or Parish EDDY
21. Elevations (Show whether DF, KB, RT, GL, etc) 3373 GL		22. Approximate date work will start 01/25/2012		13. State NM
23. Estimated duration 28		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 (Electronic Submission)	Name (Printed/Typed) PETE A LENSING Ph: 432-683-2277	Date 07/25/2011
Title DRILLING ENGINEER		
Approved by (Signature)	Name (Printed/Typed)	Date
Title FIELD MANAGER		7/30/11
Office CARLSBAD FIELD OFFICE		

Application approval does not warrant or certify 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

Additional Operator Remarks (see next page)

Approval Subject to General Requirements
& Special Stipulations AttachedElectronic Submission #113558 verified by the BLM Well Information System
For BOPCO, L.P., sent to the Carlsbad

Carlsbad Controlled Water Basin

Witness Surface &
Intermediate CasingSEE ATTACHED FOR
CONDITIONS OF APPROVAL

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional Operator Remarks:

Attached, please find the following documents for PLU #346H:

Survey Plat

8pt Drilling Plan

Multi-Surface Use Plan

Proposed Directional Survey

BOP Diagram

Operator Certification Letter

LPC Exception Letter

MOA (form 8140-9)

Interim Reclamation Diagram

Proposed Flowline Diagram

H2S Contingency Plan

The application fee of \$6500 and the MOA fee of \$1456.72 were sent via Fedex to the Carlsbad field office on July 25, 2011

Surface casing is to be set into the Rustler below all fresh water sands at an approximate depth of 1,200' and cement circulated to surface.

7" casing will be set at approximately 8268' MD, 7746' TVD (thru curve) and cemented in one stage. 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 200' above 7" casing shoe at an approximate depth of 8068'.

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

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

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

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

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 #346H

LEGAL DESCRIPTION - SURFACE: 2425' FSL, 1130' FWL, Section 35, T24S, R30E, Eddy County, NM.

BHL: 930' FSL, 2645' FWL, Section 27, T24S, 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 3392' (estimated)

GL 3373'

FORMATION	ESTIMATED TOP FROM KB		ESTIMATED SUB-SEA TOP BEARING	
	TVD	MD		
T/Rustler	705'	705'	+ 2,687'	Barren
T/Salt	2,138'	2,138'	+ 1,254'	Barren
B/Salt	3,576'	3,576'	- 184'	Barren
T/Lamar	3,966'	3,966'	- 574'	Barren
T/Ramsey	4,042'	4,042'	- 650'	Oil/Gas
T/Lower Cherry Canyon	6,116'	6,116'	- 2,724'	Oil/Gas
KOP	7,269'	7,269'	- 3,877'	Oil/Gas
T/Lwr Brushy Canyon "8A" Sd	7,547'	7,565'	- 4,155'	Oil/Gas
T/Lwr Brushy Canyon "Y" Sd	7,714'	7,842'	- 4,322'	Oil/Gas
EOC	7,746'	8,018'	- 4,354'	Oil/Gas
TD Horizontal Hole	7,701'	12,927'	- 4,309'	Oil/Gas

POINT 3: CASING PROGRAM

TYPE	INTERVALS (MD)	Hole Size	PURPOSE	CONDITION
20"	0' - 60'	24"	Conductor	Contractor Discretion
13-3/8", 54.5#, J-55, 8rd STC	0' - 1,200'	17-1/2"	Surface	New
9-5/8", 40#, J-55, 8rd, LTC	0' - 3,986'	12-1/4"	Intermediate	New
7", 26#, N-80, 8rd LTC	0' - 8,268'	8-3/4"	Production	New
4-1/2", 11.6#, HCP-110, 8rd, LTC	8,068' - 12,927'	6-1/8"	Production	New

CASING DESIGN SAFETY FACTORS:

TYPE	TENSION	COLLAPSE	BURST
13-3/8", 54.5#, J-55, 8rd, STC	15.17	1.92	2.59
9-5/8", 40#, J-55, 8rd, LT&C	4.60	1.19	1.79
7", 26#, N-80, 8rd, LTC	3.79	1.46	1.68
4-1/2", 11.6#, HCP-110, 8rd, LT&C	4.65	2.34	2.14

* 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. 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.

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)

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' - 1,200'	FW Spud Mud	8.5 - 9.2	38-70	NC	NC	NC	10.0
1,200' - 3,986'	Brine Water	9.8 - 10.2	28-30	NC	NC	NC	9.5 - 10.5
3,986' - 8,268'	FW/Gel	8.7 - 9.0	28-36	NC	NC	NC	9.5 - 10.0
8,268' - 12,927'	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 C6A*

Run #1: GR with MWD during drilling of build and horizontal portions of 8-3/4" and 6-1/8" 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:						
Tail: 0 – 1200' (100% excess Circ to surface)	1000	1000	ExtendaCem CZ + additives	8.72	13.70	1.68
INTERMEDIATE:						
Lead: 0' – 3486' (100% excess Circ to surface)	885	3483	EconoCem HLC + additives	9.32	12.9	1.85
Tail: 3486' – 3986' (100% excess)	180	500	HalCem C + additives	6.34	14.8	1.33
2ND INTERMEDIATE (TOC 500' Inside 9-5/8" casing @ 3,486')						
Lead: 3486' - 7269' (50% excess)	330	3783	Tuned Light Cement + additives	12.41	10.2	2.76
Tail: 7269'-8268' (50% excess)	140	999	VersaCem – PBSH2 + additives	8.76	13.0	1.65

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 7,269' at which point a directional hole will be kicked off and drilled at an azimuth of 313.95 degrees, building angle at 12 deg/100' to 90 degrees at a 8018' (7746' TVD). This angle and azimuth will be maintained for 250' to a measured depth of 8268' (7746' TVD). At this depth 7", 26#, N80, 8rd, LTC casing will be installed and cemented in one stage with TOC at 3,486' (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 313.95 degrees, inclination of 90.54 degrees to a measured depth of 12,927', TVD 7701'. 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. Top of 4-1/2" liner at approximately 8068' (200' above 7" casing shoe).

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

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Normal pressures are anticipated throughout Delaware section. A BHP of 3383 psi (max) or MWE of 8.4 ppg is expected. Lost circulation may exist in the Delaware Section from 4042'-7746' TVD. No H₂S is anticipated.

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

28 days drilling operations

14 days completion operations

BDH/jdb



BOPCO, L.P.

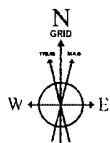
Location Eddy County, NM
Field Poker Lake Unit
Facility Poker Lake Unit No. 346H

Slot No. 346H SHL
Well No. 346H
Wellbore No. 346H PBHL

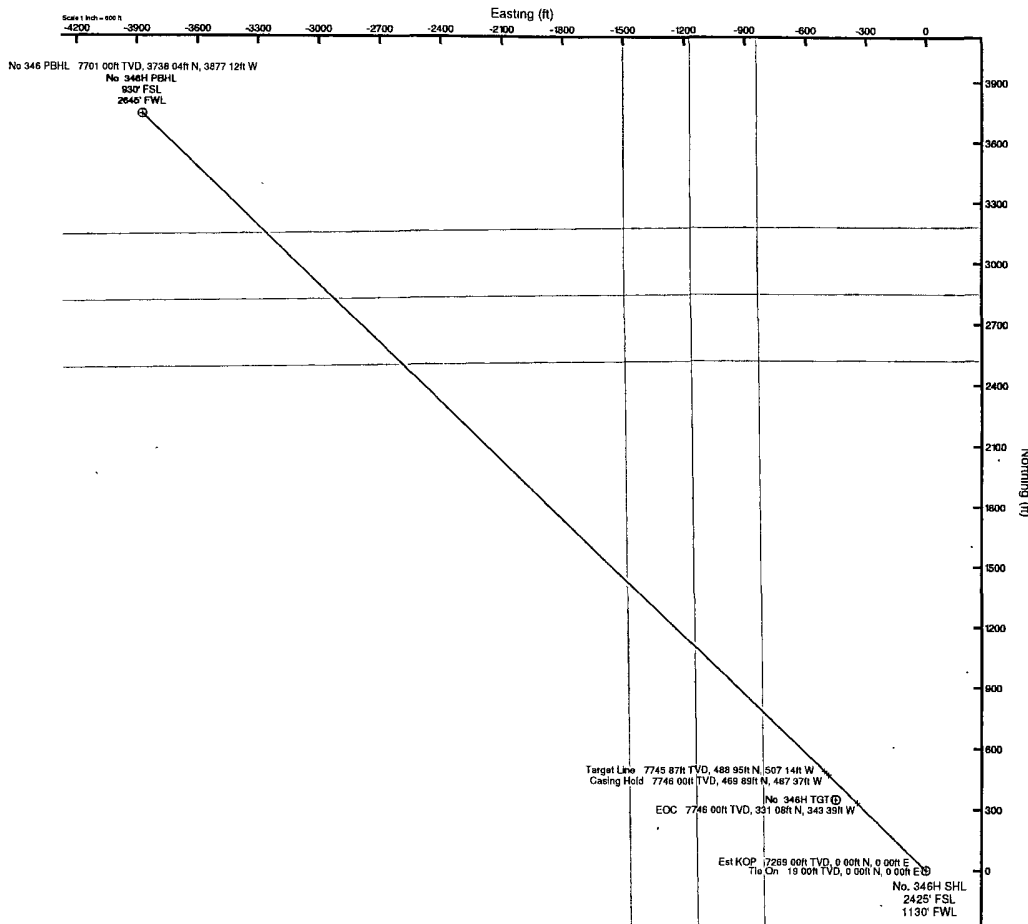
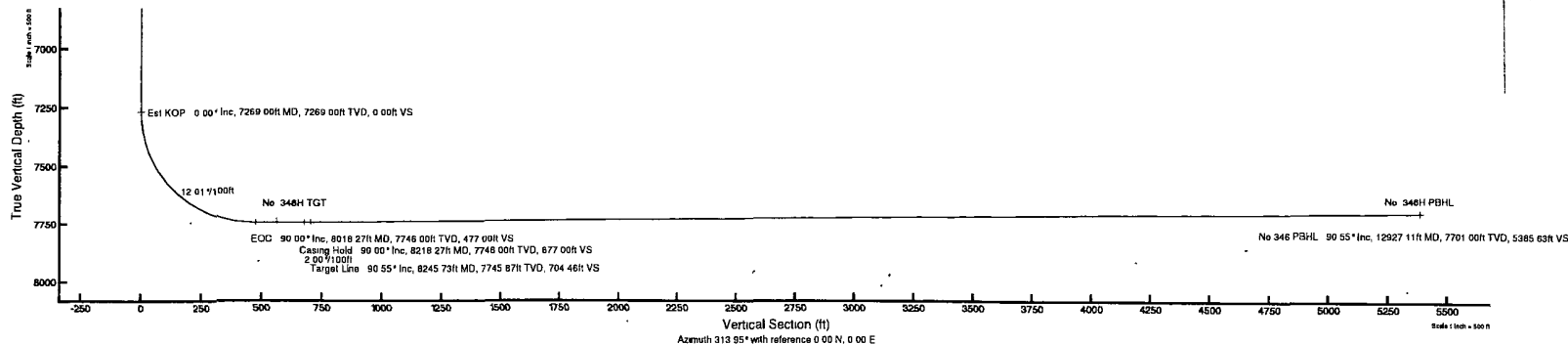


Well Profile Data							
Design Comment	MD (ft)	Inc. (°)	Az. (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	19 00	0 000	313 954	19 00	0 00	0 00	0 00
Est KOP	7269 00	0 000	313 954	7269 00	0 00	0 00	0 00
EOC	8018 27	90 000	313 954	7746 00	331 08	-343 39	477 00
Casing Hold	8216 27	90 000	313 954	7746 00	469 89	-487 37	677 00
Target Line	8245 73	90 549	313 954	7745 87	488 95	-507 14	704 46
No 346 PBHL	12927 11	90 549	313 954	7701 00	3738 04	-3877 12	5385 63

Plot reference wellpath is Prelim_3	
True vertical depths are referenced to Rig on No. 346H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (30D1), US feet
Measured depths are referenced to Rig on No. 346H SHL (KB)	North Reference: Grid north
Rig on No. 346H SHL (KB) to Mean Sea Level: 3392 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot No. 346H SHL): 3373 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gentry on 7/18/2011



BGGM (1945 0 to 2012 0) Dip: 60 03° Field: 48581 4 nT
Magnetic North is 7 80 degrees East of True North (at 4/21/2011)
Grid North is 0 25 degrees East of True North
To correct azimuth from True to Grid subtract 0 25 degrees
To correct azimuth from Magnetic to Grid add 7 55 degrees
For example: If the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7 55 = 97 55





Planned Wellpath Report

Prelim_3

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No. 346H SHL
Area	Eddy County, NM	Well	No. 346H
Field	Poker Lake Unit	Wellbore	No. 346H PBHL
Facility	Poker Lake Unit No. 346H		

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	0.999934	Report Generated	7/18/2011 at 8:20:14 AM
Convergence at slot	0.25° East	Database/Source file	WA Midland/No._346H_PBHL.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	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W
Facility Reference Pt			647672.62	427235.12	32°10'25.270"N	103°51'21.825"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. 346H SHL (KB) to Facility Vertical Datum	19.00ft
Horizontal Reference Pt	Slot	Rig on No. 346H SHL (KB) to Mean Sea Level	3392.00ft
Vertical Reference Pt	Rig on No. 346H SHL (KB)	Rig on No. 346H SHL (KB) to Mud Line at Slot (No. 346H SHL)	19.00ft
MD Reference Pt	Rig on No. 346H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	313.95°



Planned Wellpath Report

Prelim_3

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No. 346H SHL
Area	Eddy County, NM	Well	No. 346H
Field	Poker Lake Unit	Wellbore	No. 346H PBHL
Facility	Poker Lake Unit No. 346H		

WELLPATH DATA (145 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	313.954	0.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
19.00†	0.000	313.954	19.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	Tie On
119.00†	0.000	313.954	119.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
219.00†	0.000	313.954	219.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
319.00†	0.000	313.954	319.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
419.00†	0.000	313.954	419.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
519.00†	0.000	313.954	519.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
619.00†	0.000	313.954	619.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
705.00†	0.000	313.954	705.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	T/Rustler
719.00†	0.000	313.954	719.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
819.00†	0.000	313.954	819.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
919.00†	0.000	313.954	919.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1019.00†	0.000	313.954	1019.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1119.00†	0.000	313.954	1119.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1219.00†	0.000	313.954	1219.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1319.00†	0.000	313.954	1319.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1419.00†	0.000	313.954	1419.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1519.00†	0.000	313.954	1519.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1619.00†	0.000	313.954	1619.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1719.00†	0.000	313.954	1719.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1819.00†	0.000	313.954	1819.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
1919.00†	0.000	313.954	1919.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2019.00†	0.000	313.954	2019.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2119.00†	0.000	313.954	2119.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2138.00†	0.000	313.954	2138.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	T/Salt
2219.00†	0.000	313.954	2219.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2319.00†	0.000	313.954	2319.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2419.00†	0.000	313.954	2419.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2519.00†	0.000	313.954	2519.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2619.00†	0.000	313.954	2619.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2719.00†	0.000	313.954	2719.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2819.00†	0.000	313.954	2819.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
2919.00†	0.000	313.954	2919.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3019.00†	0.000	313.954	3019.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3119.00†	0.000	313.954	3119.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3219.00†	0.000	313.954	3219.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3319.00†	0.000	313.954	3319.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3419.00†	0.000	313.954	3419.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3519.00†	0.000	313.954	3519.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3576.00†	0.000	313.954	3576.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	B/Salt
3619.00†	0.000	313.954	3619.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3719.00†	0.000	313.954	3719.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3819.00†	0.000	313.954	3819.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3919.00†	0.000	313.954	3919.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
3966.00†	0.000	313.954	3966.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	T/Lamar



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No. 346H SHL
Area	Eddy County, NM	Well	No. 346H
Field	Poker Lake Unit	Wellbore	No. 346H PBHL
Facility	Poker Lake Unit No. 346H		

WELLPATH DATA (145 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
4019.00†	0.000	313.954	4019.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4042.00†	0.000	313.954	4042.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	T/Ramsey
4119.00†	0.000	313.954	4119.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4219.00†	0.000	313.954	4219.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4319.00†	0.000	313.954	4319.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4419.00†	0.000	313.954	4419.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4519.00†	0.000	313.954	4519.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4619.00†	0.000	313.954	4619.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4719.00†	0.000	313.954	4719.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4819.00†	0.000	313.954	4819.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
4919.00†	0.000	313.954	4919.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5019.00†	0.000	313.954	5019.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5119.00†	0.000	313.954	5119.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5219.00†	0.000	313.954	5219.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5319.00†	0.000	313.954	5319.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5419.00†	0.000	313.954	5419.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5519.00†	0.000	313.954	5519.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5619.00†	0.000	313.954	5619.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5719.00†	0.000	313.954	5719.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5819.00†	0.000	313.954	5819.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
5919.00†	0.000	313.954	5919.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6019.00†	0.000	313.954	6019.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6116.00†	0.000	313.954	6116.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	Lower Cherry Canyon
6119.00†	0.000	313.954	6119.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6219.00†	0.000	313.954	6219.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6319.00†	0.000	313.954	6319.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6419.00†	0.000	313.954	6419.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6519.00†	0.000	313.954	6519.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6619.00†	0.000	313.954	6619.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6719.00†	0.000	313.954	6719.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6819.00†	0.000	313.954	6819.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
6919.00†	0.000	313.954	6919.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
7019.00†	0.000	313.954	7019.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
7119.00†	0.000	313.954	7119.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
7219.00†	0.000	313.954	7219.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	
7269.00	0.000	313.954	7269.00	0.00	0.00	0.00	647672.62	427235.12	32°10'25.270"N	103°51'21.825"W	0.00	Est KOP
7319.00†	6.006	313.954	7318.91	2.62	1.82	-1.88	647670.73	427236.93	32°10'25.288"N	103°51'21.847"W	12.01	
7419.00†	18.018	313.954	7416.54	23.39	16.24	-16.84	647655.78	427251.35	32°10'25.431"N	103°51'22.020"W	12.01	
7519.00†	30.029	313.954	7507.71	64.03	44.44	-46.09	647626.53	427279.55	32°10'25.711"N	103°51'22.359"W	12.01	
7565.78†	35.648	313.954	7547.00	89.39	62.04	-64.35	647608.27	427297.15	32°10'25.886"N	103°51'22.570"W	12.01	Lower Brushy Canyon 8A
7619.00†	42.041	313.954	7588.43	122.75	85.20	-88.37	647584.26	427320.31	32°10'26.116"N	103°51'22.848"W	12.01	
7719.00†	54.053	313.954	7655.16	196.98	136.72	-141.81	647530.82	427371.83	32°10'26.629"N	103°51'23.467"W	12.01	
7819.00†	66.064	313.954	7704.98	283.48	196.76	-204.07	647468.56	427431.86	32°10'27.225"N	103°51'24.189"W	12.01	
7842.56†	68.894	313.954	7714.00	305.23	211.86	-219.74	647452.90	427446.96	32°10'27.376"N	103°51'24.370"W	12.01	Lower Brushy Canyon Y Sand
7919.00†	78.076	313.954	7735.71	378.45	262.67	-272.44	647400.19	427497.77	32°10'27.881"N	103°51'24.981"W	12.01	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No. 346H SHL
Area	Eddy County, NM	Well	No. 346H
Field	Poker Lake Unit	Wellbore	No. 346H PBHL
Facility	Poker Lake Unit No. 346H		

WELLPATH DATA (145 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
8018.27	90.000	313.954	7746.00	477.00	331.08	-343.39	647329.25	427566.17	32°10'28.561"N	103°51'25.803"W	12.01	EOC
8019.00*	90.000	313.954	7746.00	477.73	331.58	-343.92	647328.72	427566.68	32°10'28.566"N	103°51'25.809"W	0.00	
8119.00*	90.000	313.954	7746.00	577.73	400.99	-415.91	647256.74	427636.08	32°10'29.256"N	103°51'26.643"W	0.00	
8218.27	90.000	313.954	7746.00	677.00	469.89	-487.37	647185.28	427704.98	32°10'29.941"N	103°51'27.471"W	0.00	Casing Hold
8219.00*	90.015	313.954	7746.00	677.73	470.40	-487.90	647184.75	427705.48	32°10'29.946"N	103°51'27.477"W	2.00	
8245.73	90.549	313.954	7745.87	704.46	488.95	-507.14	647165.51	427724.03	32°10'30.130"N	103°51'27.700"W	2.00	Target Line
8319.00*	90.549	313.954	7745.17	777.73	539.80	-559.88	647112.77	427774.88	32°10'30.636"N	103°51'28.311"W	0.00	
8419.00*	90.549	313.954	7744.21	877.72	609.21	-631.87	647040.79	427844.28	32°10'31.326"N	103°51'29.145"W	0.00	
8519.00*	90.549	313.954	7743.25	977.72	678.61	-703.86	646968.81	427913.68	32°10'32.016"N	103°51'29.979"W	0.00	
8619.00*	90.549	313.954	7742.29	1077.71	748.02	-775.84	646896.83	427983.08	32°10'32.705"N	103°51'30.812"W	0.00	
8719.00*	90.549	313.954	7741.33	1177.71	817.42	-847.83	646824.84	428052.48	32°10'33.395"N	103°51'31.646"W	0.00	
8819.00*	90.549	313.954	7740.37	1277.70	886.83	-919.82	646752.86	428121.88	32°10'34.085"N	103°51'32.480"W	0.00	
8919.00*	90.549	313.954	7739.42	1377.70	956.23	-991.80	646680.88	428191.28	32°10'34.775"N	103°51'33.314"W	0.00	
9019.00*	90.549	313.954	7738.46	1477.69	1025.64	-1063.79	646608.90	428260.68	32°10'35.465"N	103°51'34.148"W	0.00	
9119.00*	90.549	313.954	7737.50	1577.69	1095.04	-1135.78	646536.92	428330.08	32°10'36.155"N	103°51'34.982"W	0.00	
9219.00*	90.549	313.954	7736.54	1677.69	1164.44	-1207.76	646464.93	428399.48	32°10'36.845"N	103°51'35.816"W	0.00	
9319.00*	90.549	313.954	7735.58	1777.68	1233.85	-1279.75	646392.95	428468.88	32°10'37.535"N	103°51'36.650"W	0.00	
9419.00*	90.549	313.954	7734.62	1877.68	1303.25	-1351.74	646320.97	428538.28	32°10'38.225"N	103°51'37.484"W	0.00	
9519.00*	90.549	313.954	7733.66	1977.67	1372.66	-1423.73	646248.99	428607.68	32°10'38.915"N	103°51'38.318"W	0.00	
9619.00*	90.549	313.954	7732.71	2077.67	1442.06	-1495.71	646177.01	428677.08	32°10'39.605"N	103°51'39.152"W	0.00	
9719.00*	90.549	313.954	7731.75	2177.66	1511.47	-1567.70	646105.02	428746.48	32°10'40.295"N	103°51'39.986"W	0.00	
9819.00*	90.549	313.954	7730.79	2277.66	1580.87	-1639.69	646033.04	428815.88	32°10'40.985"N	103°51'40.820"W	0.00	
9919.00*	90.549	313.954	7729.83	2377.65	1650.28	-1711.67	645961.06	428885.28	32°10'41.674"N	103°51'41.654"W	0.00	
10019.00*	90.549	313.954	7728.87	2477.65	1719.68	-1783.66	645889.08	428954.68	32°10'42.364"N	103°51'42.488"W	0.00	
10119.00*	90.549	313.954	7727.91	2577.64	1789.08	-1855.65	645817.10	429024.08	32°10'43.054"N	103°51'43.322"W	0.00	
10219.00*	90.549	313.954	7726.96	2677.64	1858.49	-1927.63	645745.12	429093.48	32°10'43.744"N	103°51'44.156"W	0.00	
10319.00*	90.549	313.954	7726.00	2777.63	1927.89	-1999.62	645673.13	429162.88	32°10'44.434"N	103°51'44.990"W	0.00	
10419.00*	90.549	313.954	7725.04	2877.63	1997.30	-2071.61	645601.15	429232.28	32°10'45.124"N	103°51'45.824"W	0.00	
10519.00*	90.549	313.954	7724.08	2977.63	2066.70	-2143.59	645529.17	429301.68	32°10'45.814"N	103°51'46.658"W	0.00	
10619.00*	90.549	313.954	7723.12	3077.62	2136.11	-2215.58	645457.19	429371.08	32°10'46.504"N	103°51'47.492"W	0.00	
10719.00*	90.549	313.954	7722.16	3177.62	2205.51	-2287.57	645385.21	429440.48	32°10'47.194"N	103°51'48.326"W	0.00	
10819.00*	90.549	313.954	7721.21	3277.61	2274.92	-2359.55	645313.22	429509.88	32°10'47.884"N	103°51'49.160"W	0.00	
10919.00*	90.549	313.954	7720.25	3377.61	2344.32	-2431.54	645241.24	429579.28	32°10'48.573"N	103°51'49.994"W	0.00	
11019.00*	90.549	313.954	7719.29	3477.60	2413.73	-2503.53	645169.26	429648.68	32°10'49.263"N	103°51'50.828"W	0.00	
11119.00*	90.549	313.954	7718.33	3577.60	2483.13	-2575.51	645097.28	429718.08	32°10'49.953"N	103°51'51.662"W	0.00	
11219.00*	90.549	313.954	7717.37	3677.59	2552.53	-2647.50	645025.30	429787.48	32°10'50.643"N	103°51'52.496"W	0.00	
11319.00*	90.549	313.954	7716.41	3777.59	2621.94	-2719.49	644953.31	429856.88	32°10'51.333"N	103°51'53.330"W	0.00	
11419.00*	90.549	313.954	7715.45	3877.58	2691.34	-2791.47	644881.33	429926.28	32°10'52.023"N	103°51'54.164"W	0.00	
11519.00*	90.549	313.954	7714.50	3977.58	2760.75	-2863.46	644809.35	429995.68	32°10'52.713"N	103°51'54.998"W	0.00	
11570.74*	90.549	313.954	7714.00	4029.32	2796.66	-2900.71	644772.10	430031.59	32°10'53.070"N	103°51'55.430"W	0.00	Lower Brushy Canyon Sand
11619.00*	90.549	313.954	7713.54	4077.57	2830.15	-2935.45	644737.37	430065.08	32°10'53.403"N	103°51'55.832"W	0.00	
11719.00*	90.549	313.954	7712.58	4177.57	2899.56	-3007.44	644665.39	430134.48	32°10'54.093"N	103°51'56.666"W	0.00	
11819.00*	90.549	313.954	7711.62	4277.57	2968.96	-3079.42	644593.40	430203.88	32°10'54.782"N	103°51'57.500"W	0.00	
11919.00*	90.549	313.954	7710.66	4377.56	3038.37	-3151.41	644521.42	430273.28	32°10'55.472"N	103°51'58.334"W	0.00	
12019.00*	90.549	313.954	7709.70	4477.56	3107.77	-3223.40	644449.44	430342.68	32°10'56.162"N	103°51'59.169"W	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No. 346H SHL
Area	Eddy County, NM	Well	No. 346H
Field	Poker Lake Unit	Wellbore	No. 346H PBHL
Facility	Poker Lake Unit No. 346H		

WELLPATH DATA (145 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
12119.00†	90.549	313.954	7708.75	4577.55	3177.17	-3295.38	644377.46	430412.08	32°10'56.852"N	103°52'00.003"W	0.00	
12219.00†	90.549	313.954	7707.79	4677.55	3246.58	-3367.37	644305.48	430481.48	32°10'57.542"N	103°52'00.837"W	0.00	
12319.00†	90.549	313.954	7706.83	4777.54	3315.98	-3439.36	644233.49	430550.87	32°10'58.232"N	103°52'01.671"W	0.00	
12419.00†	90.549	313.954	7705.87	4877.54	3385.39	-3511.34	644161.51	430620.27	32°10'58.922"N	103°52'02.505"W	0.00	
12519.00†	90.549	313.954	7704.91	4977.53	3454.79	-3583.33	644089.53	430689.67	32°10'59.612"N	103°52'03.339"W	0.00	
12619.00†	90.549	313.954	7703.95	5077.53	3524.20	-3655.32	644017.55	430759.07	32°11'00.301"N	103°52'04.173"W	0.00	
12719.00†	90.549	313.954	7702.99	5177.52	3593.60	-3727.30	643945.57	430828.47	32°11'00.991"N	103°52'05.007"W	0.00	
12819.00†	90.549	313.954	7702.04	5277.52	3663.01	-3799.29	643873.58	430897.87	32°11'01.681"N	103°52'05.841"W	0.00	
12919.00†	90.549	313.954	7701.08	5377.52	3732.41	-3871.28	643801.60	430967.27	32°11'02.371"N	103°52'06.675"W	0.00	
12927.11	90.549	313.954	7701.00	5385.63	3738.04	-3877.12	643795.77	430972.90	32°11'02.427"N	103°52'06.743"W	0.00	No. 346 PBHL

HOLE & CASING SECTIONS - Ref Wellbore: No. 346H PBHL - Ref Wellpath: Prelim_3									
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	19.00	8215.27	8196.27	19.00	7746.00	0.00	0.00	467.81	-485.21

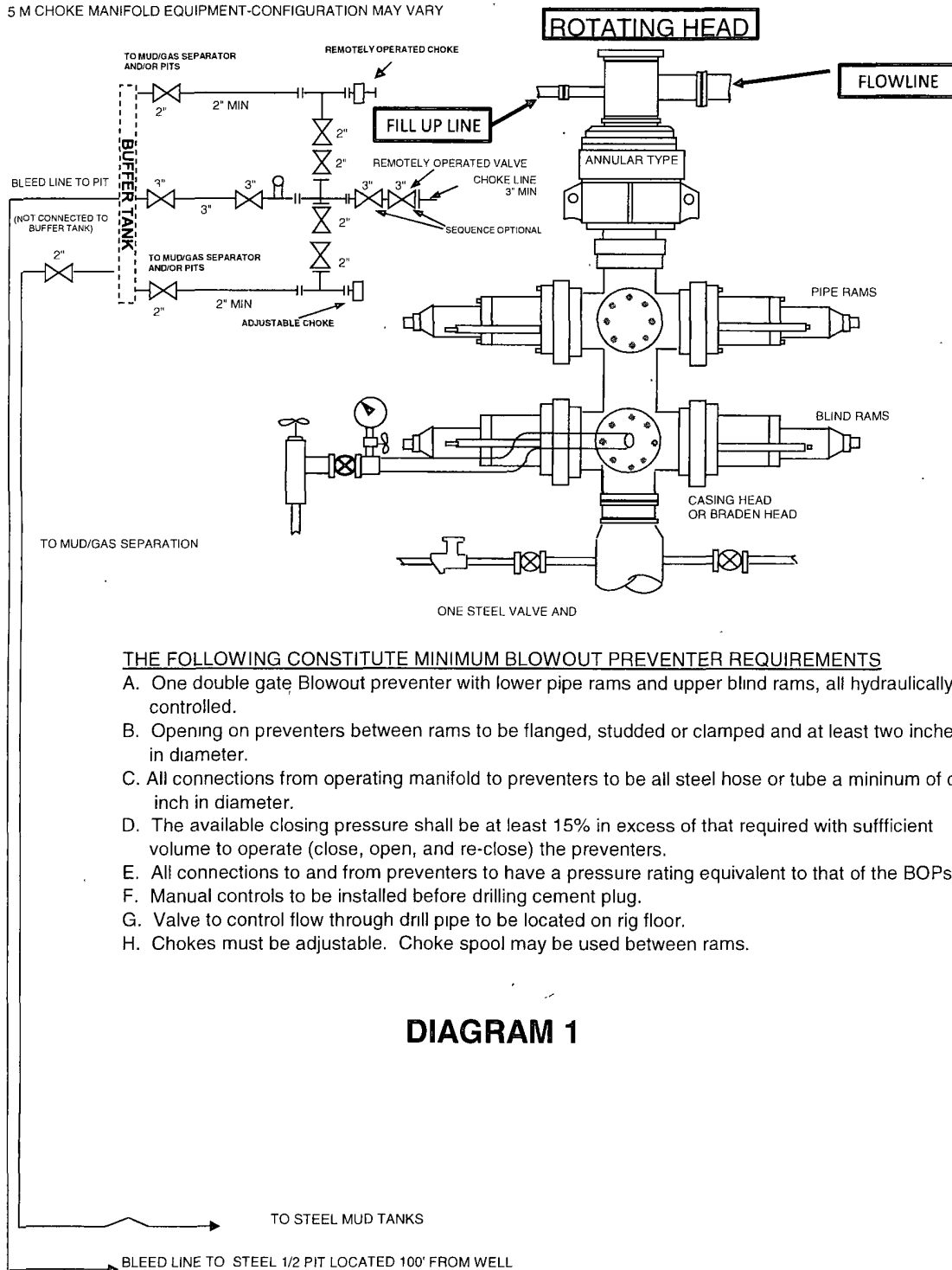
TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) No. 346H PBHL	12927.11	7701.00	3738.04	-3877.12	643795.77	430972.90	32°11'02.427"N	103°52'06.743"W	point
No. 346H TGT		7746.00	347.21	-449.85	647222.80	427582.30	32°10'28.725"N	103°51'27.040"W	point

SURVEY PROGRAM - Ref Wellbore: No. 346H PBHL - Ref Wellpath: Prelim_3				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
19.00	12927.11	NaviTrak (Standard)		No. 346H PBHL

BOPCO, L. P.

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

5 M CHOKE MANIFOLD EQUIPMENT-CONFIGURATION MAY VARY



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 minimum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient 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

DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

Operator BOPCO L.P. OGRID # 260737
 Well Name & # POKET LAKE UNIT Surface Type (F) (S) (P)
 Location: UL , Sect , Township s, RNG e, Sub-surface Type (F) (S) (P)

- A. Date C101 rec'd 10/5/2011 C101 reviewed 10/5/2011
- B. 1. Check mark, Information is OK on Forms:
 OGRID ☒, BONDING ☒, PROP CODE ☒, WELL # ☒, SIGNATURE
 2. Inactive Well list as of: 10/5/2011 # wells 420, # 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: 10/5/2011
 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
- C. C102 YES ☒, NO , Signature
 1. Pool POKET LAKE; NW (DBL), Code 96046
 a. Dedicated acreage , What Units
 b. SUR. Location Standard ☒: Non-Standard Location
 c. Well shares acres: Yes , No ☒, # of wells plus this well #
 2. 2nd. Operator in same acreage, Yes , No ☒
 Agreement Letter , Disagreement letter
 3. Intent to Directional Drill Yes , No
 a. Dedicated acreage , What Units
 b. Bottomhole Location Standard , Non-Standard Bottomhole
 4. Downhole Commingle: Yes , No
 a. Pool #2 , Code , Acres
 Pool #3 , Code , Acres
 Pool #4 , Code , Acres
 5. POTASH Area Yes , No
- D. Blowout Preventer Yes ☒, No
- E. H2S Yes ☒, No
- F. C144 Pit Registration Yes , No
- G. Does APD require Santa Fe Approval:
 1. Non-Standard Location: Yes , No , NSL #
 2. Non-Standard Proration: Yes , No , NSP #
 3. Simultaneous Dedication: Yes , No , SD #
 Number of wells Plus #
 4. Injection order Yes , No ☒; PMX # or WFX #
 5. SWD order Yes , NO ☒; SWD #
 6. DHC from SF ; DHC-HOB ; Holding
7. OCD Approval Date 10/5/2011 API # 30-015
8. Reviewers