

OCD-ARTESIA

Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**1 Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2 Name of Operator **BOPCO, L. P.**3a Address
P. O. Box 2760 Midland, TX 797023b. Phone No (include area code)
432-683-2277

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SENE, UL H, 2,175' FNL & 305' FEL, Sec 4, T24S-R30E, Lat:N32.247958, Long:W103.878064
BHL: 2540' FNL & 85' FEL of Sec 10, T24S-R30E, Lat:N32.232486, Long:W103.860033**5. Lease Serial No
BHL: LC 068905, SHL: LC 068431

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No
NMNM 71016X8. Well Name and No
Poker Lake Unit 318H9 API Well No
30-015-3973110 Field and Pool, or Exploratory Area
Poker Lake (Delaware) NW11. County or Parish, State
Eddy County, New Mexico**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO L.P. respectfully requests to move the surface location for the Poker Lake 332H from its original location at 2,175' FNL & 305' FEL of Sec 4, T24S-R30E, Lat:N32.247958, Lg:W103.878064 to a new location. The new location is 1,530' FNL & 930' FEL of Sec 4, T24S-R30E, Lat: N32.249728, Lg:W103.880089. This new location is more than 1/2 mile away from measured potash ore. All aspects of the 8pt drilling program will remain the same as the APD that was submitted on 09-13-2011 and approved on 11-21-2011.

Attached are the new C-102 survey plats along with the new directional drilling plan.

COB 000050

Accepted for record
NMOC



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jeremy Braden

Title **Engineering Assistant**

Signature

Jeremy Braden

Date

5-17-12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

/s/ Don Peterson

Approved by

Conditions of approval, if any, are attached. Approval of this notice 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.

Title

Date

JUN 26 2012

Office

CARLSBAD FIELD OFFICE

Title 18 USC Section 1001 and Title 43 USC 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)

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

DISTRICT II
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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 18, 2010

Submit one copy to appropriate
District Office

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-39731	Pool Code 96046	Pool Name Poker Lake Delaware NW
Property Code 306402	Property Name POKER LAKE UNIT	Well Number 318H
OGRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3408'

Surface Location

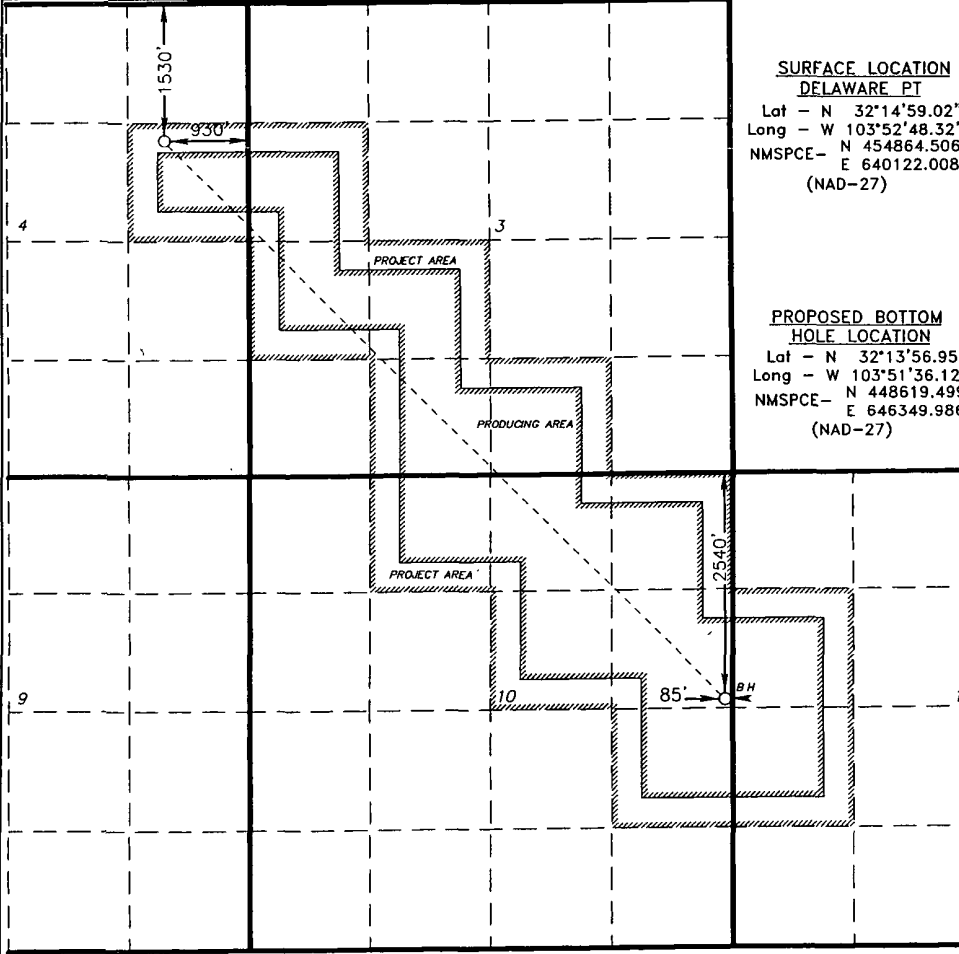
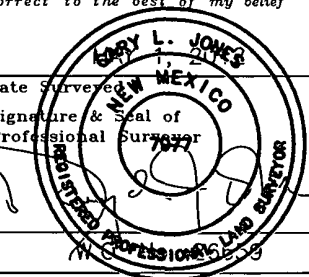
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	4	24 S	30 E		1530	NORTH	930	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	10	24 S	30 E		2540	NORTH	85	EAST	EDDY

Dedicated Acres 560	Joint or Infill	Consolidation Code	Order No.
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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

	SURFACE LOCATION DELAWARE PT Lot - N 32°14'59.02" Long - W 103°52'48.32" NMSPCE- N 454864.506 E 640122.008 (NAD-27)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Jeremy Braden</u> Date: <u>5-17-12</u> Printed Name: <u>Jeremy Braden</u> Email Address: <u>jbraden@basspet.com</u>
	PROPOSED BOTTOM HOLE LOCATION Lot - N 32°13'56.95" Long - W 103°51'36.12" NMSPCE- N 448619.499 E 646349.986 (NAD-27)	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date Surveyed: <u>5-17-12</u> Signature & Seal of Professional Surveyor:  Certificate No. Gary L. Jones 7977
	BASIN SURVEYS 26659	

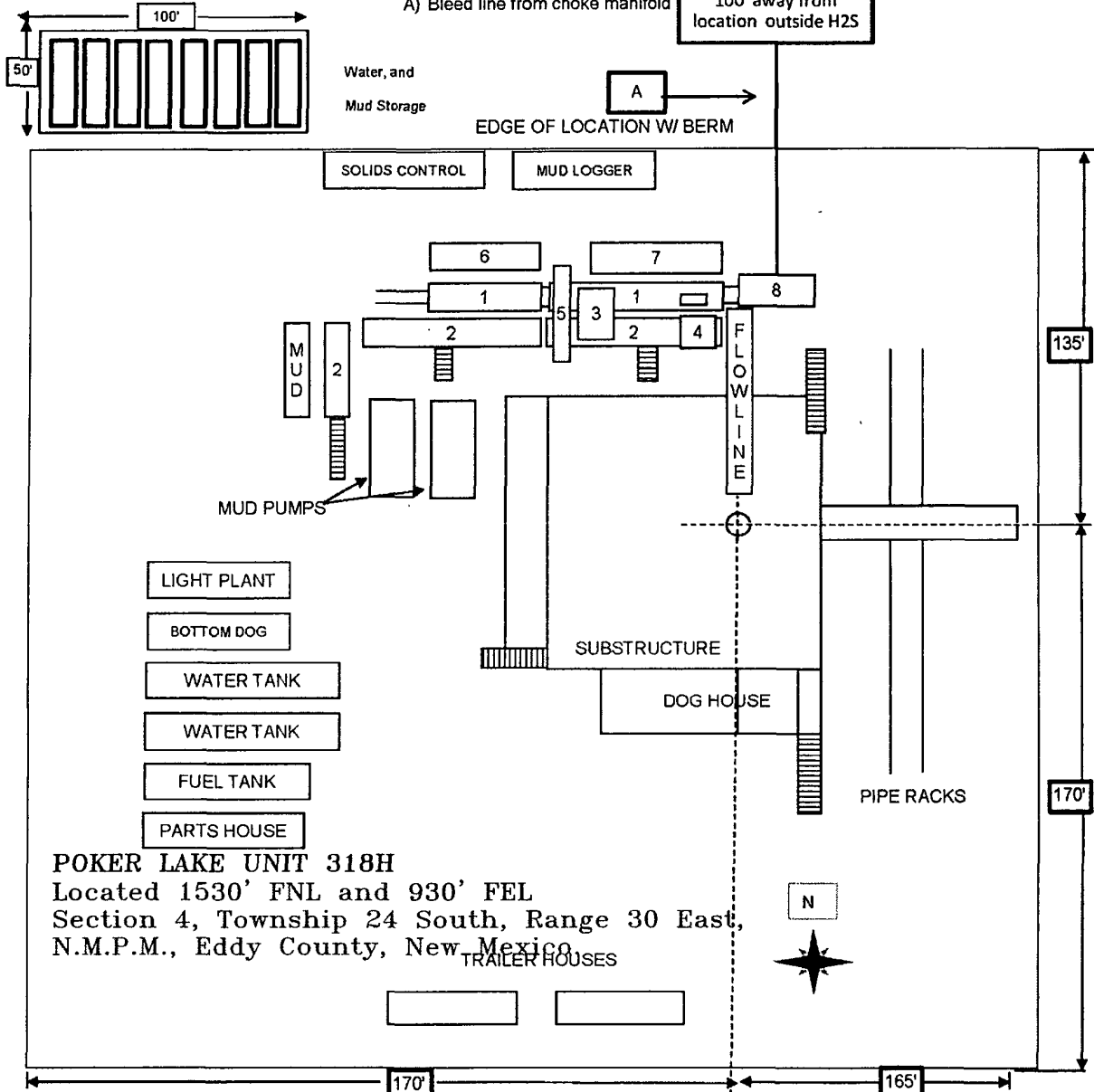


RIG LAYOUT

Exhibit "D"

RIG LAYOUT SCHEMATIC INCLUSIVE OF CLOSED-LOOP DESIGN PLAN Solids Control Equipment Legend

- | | |
|-----------------------------------|--------------------|
| 1) Roll Off Bin | 5) Centrifuge |
| 2) Steel Tank | 6) Dewatering Unit |
| 3) Mud Cleaner | 7) Catch Tank |
| 4) Shaker | 8) Choke Manifold |
| A) Bleed line from choke manifold | |



POKER LAKE UNIT 318H
Located 1530' FNL and 930' FEL
Section 4, Township 24 South, Range 30 East,
N.M.P.M., Eddy County, New Mexico

basin surveys
focused on excellence
in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

W.O. Number: JMS 26659

Survey Date: 05-01-2012

Scale: 1" = 2000'

Date: 05-03-2012

BOPCO, L.P.

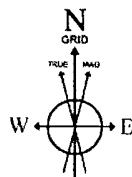
Sheet 6 of 6 Sheets



BOPCO, L.P.

Location: Eddy County, NM
Field: Poker Lake Unit
Facility: Poker Lake Unit No. 318H

Slot: No.318H SHL
Well: No.318H
Wellbore: No.318H PWB



BGGM (1945 0 to 2013 0) Dip: 60.09° Field: 48503.8 nT
Magnetic North is 7.70 degrees East of True North (at 5/17/2012)
Grid North is 0.24 degrees East of True North

To correct azimuth from True to Grid subtract 0.24 degrees
To correct azimuth from Magnetic to Grid add 7.46 degrees

For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = $90 + 7.46 = 97.46$

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	135.025	22.00	0.00	0.00	0.00	0.00
Est KOP	7175.00	0.000	135.025	7175.00	0.00	0.00	0.00	0.00
EOC	7924.27	90.000	135.025	7652.00	-337.44	337.14	12.01	477.00
Target #1	9548.27	90.000	135.025	7652.00	-1486.28	1484.98	0.00	2101.00
TL	9578.38	89.402	135.095	7652.16	-1507.60	1506.25	2.00	2131.11
No 318H PBHL	16268.00	89.402	135.095	7722.00	-6245.45	6228.42	0.00	8820.36

Plot reference wellpath is Rev-A.0

True vertical depths are referenced to Rig on No.318H SHL (KB)

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

Measured depths are referenced to Rig on No.318H SHL (KB)

North Reference: Grid north

Rig on No.318H SHL (KB) to Mean Sea Level: 3430 feet

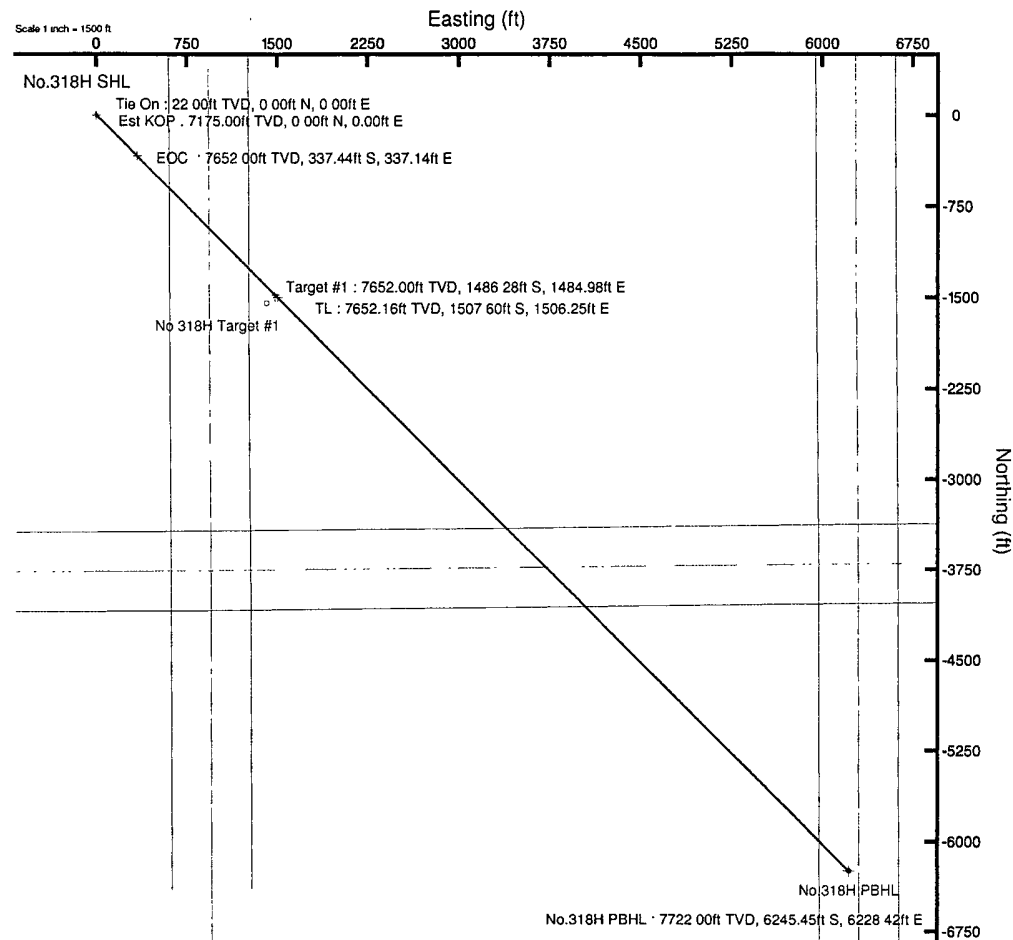
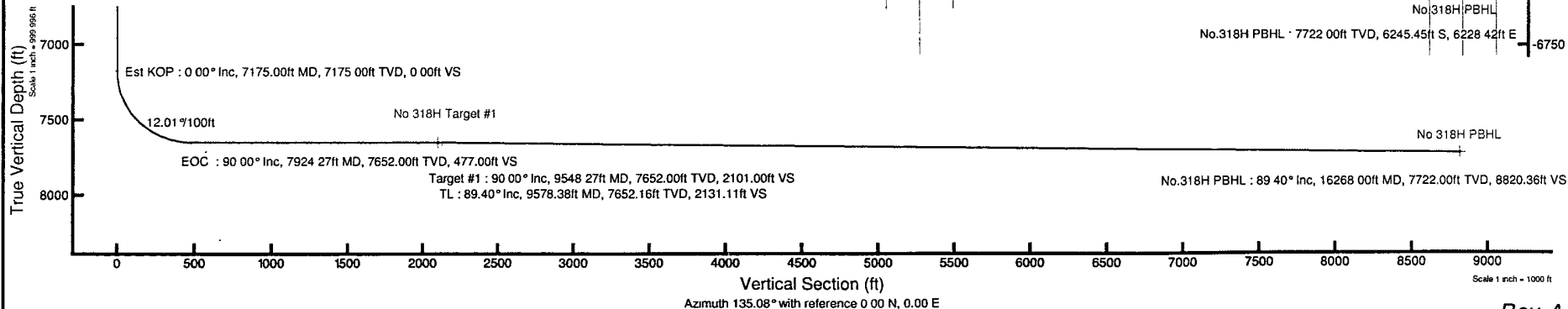
Scale: True distance

Mean Sea Level to Mud line (At Slot No.318H SHL): 3408 feet

Depths are in feet

Coordinates are in feet referenced to Slot

Created by: gentry on 5/17/2012



Rev-A.0



Planned Wellpath Report

Rev-A.0
Page 1 of 5



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.318H SHL
Area	Eddy County, NM	Well	No.318H
Field	Poker Lake Unit	Wellbore	No.318H PWB
Facility	Poker Lake Unit No. 318H		

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	0.999932	Report Generated	5/17/2012 at 6:37:20 AM
Convergence at slot	0.24° East	Database/Source file	WA Midland/No.318H_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	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W
Facility Reference Pt			640122.01	454864.51	32°14'59.015"N	103°52'48.318"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.318H SHL (KB) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Slot	Rig on No.318H SHL (KB) to Mean Sea Level	3430.00ft
Vertical Reference Pt	Rig on No.318H SHL (KB)	Rig on No.318H SHL (KB) to Mud Line at Slot (No.318H SHL)	22.00ft
MD Reference Pt	Rig on No.318H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	135.08°



Planned Wellpath Report

Rev-A.0
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REFERENCE WELLPATH IDENTIFICATION

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Field	Poker Lake Unit	Wellbore	No.318H PWB
Facility	Poker Lake Unit No. 318H		

WELLPATH DATA (177 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	135.025	0.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
22.00	0.000	135.025	22.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	Tie On
122.00†	0.000	135.025	122.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
222.00†	0.000	135.025	222.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
322.00†	0.000	135.025	322.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
345.00†	0.000	135.025	345.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	Rustler
422.00†	0.000	135.025	422.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
495.00†	0.000	135.025	495.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	Salado
522.00†	0.000	135.025	522.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
622.00†	0.000	135.025	622.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
656.00†	0.000	135.025	656.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	Salt
722.00†	0.000	135.025	722.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
822.00†	0.000	135.025	822.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
922.00†	0.000	135.025	922.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1022.00†	0.000	135.025	1022.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1122.00†	0.000	135.025	1122.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1222.00†	0.000	135.025	1222.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1322.00†	0.000	135.025	1322.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1422.00†	0.000	135.025	1422.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1522.00†	0.000	135.025	1522.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1622.00†	0.000	135.025	1622.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1722.00†	0.000	135.025	1722.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1822.00†	0.000	135.025	1822.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
1922.00†	0.000	135.025	1922.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2022.00†	0.000	135.025	2022.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2122.00†	0.000	135.025	2122.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2222.00†	0.000	135.025	2222.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2322.00†	0.000	135.025	2322.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2422.00†	0.000	135.025	2422.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2522.00†	0.000	135.025	2522.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2622.00†	0.000	135.025	2622.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2722.00†	0.000	135.025	2722.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2822.00†	0.000	135.025	2822.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
2922.00†	0.000	135.025	2922.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3022.00†	0.000	135.025	3022.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3122.00†	0.000	135.025	3122.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3222.00†	0.000	135.025	3222.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3322.00†	0.000	135.025	3322.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3422.00†	0.000	135.025	3422.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3522.00†	0.000	135.025	3522.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3622.00†	0.000	135.025	3622.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3659.00†	0.000	135.025	3659.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	Base/Salt
3722.00†	0.000	135.025	3722.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3822.00†	0.000	135.025	3822.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3881.00†	0.000	135.025	3881.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	Lamar



Planned Wellpath Report

Rev-A.0
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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.318H SHL
Area	Eddy County, NM	Well	No.318H
Field	Poker Lake Unit	Wellbore	No.318H PWB
Facility	Poker Lake Unit No. 318H		

WELLPATH DATA (177 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
3922.00†	0.000	135.025	3922.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
3931.00†	0.000	135.025	3931.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	Ramsey
4022.00†	0.000	135.025	4022.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4122.00†	0.000	135.025	4122.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4222.00†	0.000	135.025	4222.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4322.00†	0.000	135.025	4322.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4422.00†	0.000	135.025	4422.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4522.00†	0.000	135.025	4522.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4622.00†	0.000	135.025	4622.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4722.00†	0.000	135.025	4722.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4822.00†	0.000	135.025	4822.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
4922.00†	0.000	135.025	4922.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5022.00†	0.000	135.025	5022.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5122.00†	0.000	135.025	5122.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5222.00†	0.000	135.025	5222.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5322.00†	0.000	135.025	5322.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5422.00†	0.000	135.025	5422.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5522.00†	0.000	135.025	5522.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5622.00†	0.000	135.025	5622.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5722.00†	0.000	135.025	5722.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5822.00†	0.000	135.025	5822.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
5909.00†	0.000	135.025	5909.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	LCC
5922.00†	0.000	135.025	5922.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6022.00†	0.000	135.025	6022.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6122.00†	0.000	135.025	6122.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6222.00†	0.000	135.025	6222.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6322.00†	0.000	135.025	6322.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6422.00†	0.000	135.025	6422.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6522.00†	0.000	135.025	6522.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6622.00†	0.000	135.025	6622.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6722.00†	0.000	135.025	6722.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6822.00†	0.000	135.025	6822.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
6922.00†	0.000	135.025	6922.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
7022.00†	0.000	135.025	7022.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
7122.00†	0.000	135.025	7122.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	
7175.00	0.000	135.025	7175.00	0.00	0.00	0.00	640122.01	454864.51	32°14'59.015"N	103°52'48.318"W	0.00	Est KOP
7222.00†	5.645	135.025	7221.92	2.31	-1.64	1.64	640123.64	454862.87	32°14'58.999"N	103°52'48.299"W	12.01	
7322.00†	17.657	135.025	7319.68	22.47	-15.90	15.88	640137.89	454848.61	32°14'58.857"N	103°52'48.134"W	12.01	
7422.00†	29.669	135.025	7411.11	62.53	-44.24	44.20	640166.20	454820.27	32°14'58.576"N	103°52'47.806"W	12.01	
7448.79†	32.887	135.025	7434.00	76.44	-54.08	54.03	640176.03	454810.43	32°14'58.478"N	103°52'47.692"W	12.01	LBC 8A
7522.00†	41.681	135.025	7492.19	120.75	-85.42	85.34	640207.35	454779.09	32°14'58.167"N	103°52'47.329"W	12.01	
7622.00†	53.692	135.025	7559.39	194.56	-137.63	137.51	640259.51	454726.88	32°14'57.648"N	103°52'46.724"W	12.01	
7722.00†	65.704	135.025	7609.75	280.74	-198.60	198.42	640320.42	454665.92	32°14'57.042"N	103°52'46.018"W	12.01	
7822.00†	77.716	135.025	7641.08	375.51	-265.64	265.41	640387.40	454598.88	32°14'56.376"N	103°52'45.241"W	12.01	
7922.00†	89.727	135.025	7651.99	474.73	-335.83	335.54	640457.52	454528.70	32°14'55.678"N	103°52'44.428"W	12.01	



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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.318H SHL
Area	Eddy County, NM	Well	No.318H
Field	Poker Lake Unit	Wellbore	No.318H PWB
Facility	Poker Lake Unit No. 318H		

WELLPATH DATA (177 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
7924.27	90.000	135.025	7652.00	477.00	-337.44	337.14	640459.13	454527.09	32°14'55.662"N	103°52'44.409"W	12.01	EOC
8022.00†	90.000	135.025	7652.00	574.73	-406.57	406.22	640528.20	454457.96	32°14'54.975"N	103°52'43.609"W	0.00	
8122.00†	90.000	135.025	7652.00	674.73	-477.31	476.90	640598.87	454387.23	32°14'54.272"N	103°52'42.789"W	0.00	
8222.00†	90.000	135.025	7652.00	774.73	-548.06	547.58	640669.55	454316.49	32°14'53.569"N	103°52'41.970"W	0.00	
8322.00†	90.000	135.025	7652.00	874.73	-618.80	618.26	640740.22	454245.75	32°14'52.866"N	103°52'41.150"W	0.00	
8422.00†	90.000	135.025	7652.00	974.73	-689.54	688.94	640810.90	454175.02	32°14'52.163"N	103°52'40.331"W	0.00	
8522.00†	90.000	135.025	7652.00	1074.73	-760.28	759.62	640881.57	454104.28	32°14'51.460"N	103°52'39.511"W	0.00	
8622.00†	90.000	135.025	7652.00	1174.73	-831.02	830.30	640952.25	454033.54	32°14'50.757"N	103°52'38.692"W	0.00	
8722.00†	90.000	135.025	7652.00	1274.73	-901.76	900.98	641022.92	453962.81	32°14'50.054"N	103°52'37.872"W	0.00	
8822.00†	90.000	135.025	7652.00	1374.73	-972.51	971.66	641093.60	453892.07	32°14'49.351"N	103°52'37.053"W	0.00	
8922.00†	90.000	135.025	7652.00	1474.73	-1043.25	1042.34	641164.27	453821.33	32°14'48.648"N	103°52'36.233"W	0.00	
9022.00†	90.000	135.025	7652.00	1574.73	-1113.99	1113.02	641234.95	453750.60	32°14'47.946"N	103°52'35.414"W	0.00	
9122.00†	90.000	135.025	7652.00	1674.73	-1184.73	1183.70	641305.62	453679.86	32°14'47.243"N	103°52'34.595"W	0.00	
9222.00†	90.000	135.025	7652.00	1774.73	-1255.47	1254.38	641376.30	453609.12	32°14'46.540"N	103°52'33.775"W	0.00	
9322.00†	90.000	135.025	7652.00	1874.73	-1326.21	1325.06	641446.97	453538.39	32°14'45.837"N	103°52'32.956"W	0.00	
9422.00†	90.000	135.025	7652.00	1974.73	-1396.95	1395.74	641517.65	453467.65	32°14'45.134"N	103°52'32.136"W	0.00	
9522.00†	90.000	135.025	7652.00	2074.73	-1467.70	1466.42	641588.32	453396.91	32°14'44.431"N	103°52'31.317"W	0.00	
9548.27	90.000	135.025	7652.00	2101.00	-1486.28	1484.98	641606.89	453378.33	32°14'44.246"N	103°52'31.102"W	0.00	Target #1
9578.38	89.402	135.095	7652.16	2131.11	-1507.60	1506.25	641628.16	453357.02	32°14'44.034"N	103°52'30.855"W	2.00	TL
9622.00†	89.402	135.095	7652.61	2174.73	-1538.49	1537.04	641658.94	453326.13	32°14'43.727"N	103°52'30.498"W	0.00	
9722.00†	89.402	135.095	7653.66	2274.72	-1609.31	1607.63	641729.53	453255.31	32°14'43.023"N	103°52'29.680"W	0.00	
9822.00†	89.402	135.095	7654.70	2374.72	-1680.13	1678.22	641800.11	453184.49	32°14'42.319"N	103°52'28.861"W	0.00	
9922.00†	89.402	135.095	7655.74	2474.71	-1750.96	1748.81	641870.70	453113.67	32°14'41.616"N	103°52'28.043"W	0.00	
10022.00†	89.402	135.095	7656.79	2574.70	-1821.78	1819.40	641941.28	453042.85	32°14'40.912"N	103°52'27.225"W	0.00	
10122.00†	89.402	135.095	7657.83	2674.70	-1892.61	1889.99	642011.86	452972.03	32°14'40.208"N	103°52'26.406"W	0.00	
10222.00†	89.402	135.095	7658.88	2774.69	-1963.43	1960.58	642082.45	452901.21	32°14'39.504"N	103°52'25.588"W	0.00	
10322.00†	89.402	135.095	7659.92	2874.69	-2034.25	2031.17	642153.03	452830.40	32°14'38.800"N	103°52'24.770"W	0.00	
10422.00†	89.402	135.095	7660.96	2974.68	-2105.08	2101.76	642223.62	452759.58	32°14'38.097"N	103°52'23.951"W	0.00	
10522.00†	89.402	135.095	7662.01	3074.68	-2175.90	2172.35	642294.20	452688.76	32°14'37.393"N	103°52'23.133"W	0.00	
10622.00†	89.402	135.095	7663.05	3174.67	-2246.73	2242.94	642364.79	452617.94	32°14'36.689"N	103°52'22.315"W	0.00	
10722.00†	89.402	135.095	7664.10	3274.67	-2317.55	2313.53	642435.37	452547.12	32°14'35.985"N	103°52'21.496"W	0.00	
10822.00†	89.402	135.095	7665.14	3374.66	-2388.37	2384.12	642505.96	452476.30	32°14'35.281"N	103°52'20.678"W	0.00	
10922.00†	89.402	135.095	7666.19	3474.66	-2459.20	2454.71	642576.54	452405.48	32°14'34.577"N	103°52'19.860"W	0.00	
11022.00†	89.402	135.095	7667.23	3574.65	-2530.02	2525.29	642647.13	452334.66	32°14'33.874"N	103°52'19.041"W	0.00	
11122.00†	89.402	135.095	7668.27	3674.64	-2600.85	2595.88	642717.71	452263.84	32°14'33.170"N	103°52'18.223"W	0.00	
11222.00†	89.402	135.095	7669.32	3774.64	-2671.67	2666.47	642788.29	452193.02	32°14'32.466"N	103°52'17.405"W	0.00	
11322.00†	89.402	135.095	7670.36	3874.63	-2742.49	2737.06	642858.88	452122.21	32°14'31.762"N	103°52'16.587"W	0.00	
11422.00†	89.402	135.095	7671.41	3974.63	-2813.32	2807.65	642929.46	452051.39	32°14'31.058"N	103°52'15.768"W	0.00	
11522.00†	89.402	135.095	7672.45	4074.62	-2884.14	2878.24	643000.05	451980.57	32°14'30.354"N	103°52'14.950"W	0.00	
11622.00†	89.402	135.095	7673.49	4174.62	-2954.97	2948.83	643070.63	451909.75	32°14'29.651"N	103°52'14.132"W	0.00	
11722.00†	89.402	135.095	7674.54	4274.61	-3025.79	3019.42	643141.22	451838.93	32°14'28.947"N	103°52'13.313"W	0.00	
11822.00†	89.402	135.095	7675.58	4374.61	-3096.61	3090.01	643211.80	451768.11	32°14'28.243"N	103°52'12.495"W	0.00	
11922.00†	89.402	135.095	7676.63	4474.60	-3167.44	3160.60	643282.39	451697.29	32°14'27.539"N	103°52'11.677"W	0.00	
12022.00†	89.402	135.095	7677.67	4574.60	-3238.26	3231.19	643352.97	451626.47	32°14'26.835"N	103°52'10.859"W	0.00	
12122.00†	89.402	135.095	7678.71	4674.59	-3309.09	3301.78	643423.55	451555.65	32°14'26.131"N	103°52'10.040"W	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.318H SHL
Area	Eddy County, NM	Well	No.318H
Field	Poker Lake Unit	Wellbore	No.318H PWB
Facility	Poker Lake Unit No. 318H		

WELLPATH DATA (177 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†	89.402	135.095	7679.76	4774.58	-3379.91	3372.37	643494.14	451484.83	32°14'25.428"N	103°52'09.222"W	0.00	
12322.00†	89.402	135.095	7680.80	4874.58	-3450.73	3442.96	643564.72	451414.02	32°14'24.724"N	103°52'08.404"W	0.00	
12422.00†	89.402	135.095	7681.85	4974.57	-3521.56	3513.55	643635.31	451343.20	32°14'24.020"N	103°52'07.585"W	0.00	
12522.00†	89.402	135.095	7682.89	5074.57	-3592.38	3584.14	643705.89	451272.38	32°14'23.316"N	103°52'06.767"W	0.00	
12622.00†	89.402	135.095	7683.93	5174.56	-3663.21	3654.73	643776.48	451201.56	32°14'22.612"N	103°52'05.949"W	0.00	
12722.00†	89.402	135.095	7684.98	5274.56	-3734.03	3725.32	643847.06	451130.74	32°14'21.908"N	103°52'05.131"W	0.00	
12822.00†	89.402	135.095	7686.02	5374.55	-3804.85	3795.91	643917.65	451059.92	32°14'21.204"N	103°52'04.312"W	0.00	
12922.00†	89.402	135.095	7687.07	5474.55	-3875.68	3866.49	643988.23	450989.10	32°14'20.501"N	103°52'03.494"W	0.00	
13022.00†	89.402	135.095	7688.11	5574.54	-3946.50	3937.08	644058.81	450918.28	32°14'19.797"N	103°52'02.676"W	0.00	
13122.00†	89.402	135.095	7689.15	5674.54	-4017.33	4007.67	644129.40	450847.46	32°14'19.093"N	103°52'01.858"W	0.00	
13222.00†	89.402	135.095	7690.20	5774.53	-4088.15	4078.26	644199.98	450776.64	32°14'18.389"N	103°52'01.040"W	0.00	
13322.00†	89.402	135.095	7691.24	5874.52	-4158.97	4148.85	644270.57	450705.83	32°14'17.685"N	103°52'00.221"W	0.00	
13422.00†	89.402	135.095	7692.29	5974.52	-4229.80	4219.44	644341.15	450635.01	32°14'16.981"N	103°51'59.403"W	0.00	
13522.00†	89.402	135.095	7693.33	6074.51	-4300.62	4290.03	644411.74	450564.19	32°14'16.277"N	103°51'58.585"W	0.00	
13622.00†	89.402	135.095	7694.37	6174.51	-4371.45	4360.62	644482.32	450493.37	32°14'15.574"N	103°51'57.767"W	0.00	
13722.00†	89.402	135.095	7695.42	6274.50	-4442.27	4431.21	644552.91	450422.55	32°14'14.870"N	103°51'56.948"W	0.00	
13822.00†	89.402	135.095	7696.46	6374.50	-4513.09	4501.80	644623.49	450351.73	32°14'14.166"N	103°51'56.130"W	0.00	
13922.00†	89.402	135.095	7697.51	6474.49	-4583.92	4572.39	644694.08	450280.91	32°14'13.462"N	103°51'55.312"W	0.00	
14022.00†	89.402	135.095	7698.55	6574.49	-4654.74	4642.98	644764.66	450210.09	32°14'12.758"N	103°51'54.494"W	0.00	
14122.00†	89.402	135.095	7699.59	6674.48	-4725.57	4713.57	644835.24	450139.27	32°14'12.054"N	103°51'53.676"W	0.00	
14222.00†	89.402	135.095	7700.64	6774.48	-4796.39	4784.16	644905.83	450068.45	32°14'11.350"N	103°51'52.857"W	0.00	
14322.00†	89.402	135.095	7701.68	6874.47	-4867.21	4854.75	644976.41	449997.64	32°14'10.647"N	103°51'52.039"W	0.00	
14422.00†	89.402	135.095	7702.73	6974.46	-4938.04	4925.34	645047.00	449926.82	32°14'09.943"N	103°51'51.221"W	0.00	
14522.00†	89.402	135.095	7703.77	7074.46	-5008.86	4995.93	645117.58	449856.00	32°14'09.239"N	103°51'50.403"W	0.00	
14622.00†	89.402	135.095	7704.81	7174.45	-5079.69	5066.52	645188.17	449785.18	32°14'08.535"N	103°51'49.585"W	0.00	
14722.00†	89.402	135.095	7705.86	7274.45	-5150.51	5137.11	645258.75	449714.36	32°14'07.831"N	103°51'48.766"W	0.00	
14822.00†	89.402	135.095	7706.90	7374.44	-5221.33	5207.69	645329.34	449643.54	32°14'07.127"N	103°51'47.948"W	0.00	
14922.00†	89.402	135.095	7707.95	7474.44	-5292.16	5278.28	645399.92	449572.72	32°14'06.423"N	103°51'47.130"W	0.00	
15022.00†	89.402	135.095	7708.99	7574.43	-5362.98	5348.87	645470.50	449501.90	32°14'05.719"N	103°51'46.312"W	0.00	
15122.00†	89.402	135.095	7710.04	7674.43	-5433.81	5419.46	645541.09	449431.08	32°14'05.015"N	103°51'45.494"W	0.00	
15222.00†	89.402	135.095	7711.08	7774.42	-5504.63	5490.05	645611.67	449360.26	32°14'04.312"N	103°51'44.676"W	0.00	
15322.00†	89.402	135.095	7712.12	7874.42	-5575.45	5560.64	645682.26	449289.45	32°14'03.608"N	103°51'43.857"W	0.00	
15422.00†	89.402	135.095	7713.17	7974.41	-5646.28	5631.23	645752.84	449218.63	32°14'02.904"N	103°51'43.039"W	0.00	
15522.00†	89.402	135.095	7714.21	8074.40	-5717.10	5701.82	645823.43	449147.81	32°14'02.200"N	103°51'42.221"W	0.00	
15622.00†	89.402	135.095	7715.26	8174.40	-5787.93	5772.41	645894.01	449076.99	32°14'01.496"N	103°51'41.403"W	0.00	
15722.00†	89.402	135.095	7716.30	8274.39	-5858.75	5843.00	645964.60	449006.17	32°14'00.792"N	103°51'40.585"W	0.00	
15822.00†	89.402	135.095	7717.34	8374.39	-5929.57	5913.59	646035.18	448935.35	32°14'00.088"N	103°51'39.767"W	0.00	
15922.00†	89.402	135.095	7718.39	8474.38	-6000.40	5984.18	646105.77	448864.53	32°13'59.384"N	103°51'38.949"W	0.00	
16022.00†	89.402	135.095	7719.43	8574.38	-6071.22	6054.77	646176.35	448793.71	32°13'58.680"N	103°51'38.130"W	0.00	
16122.00†	89.402	135.095	7720.48	8674.37	-6142.05	6125.36	646246.93	448722.89	32°13'57.977"N	103°51'37.312"W	0.00	
16222.00†	89.402	135.095	7721.52	8774.37	-6212.87	6195.95	646317.52	448652.07	32°13'57.273"N	103°51'36.494"W	0.00	
16268.00	89.402	135.095	7722.00†	8820.36	-6245.45	6228.42	646349.99	448619.50	32°13'56.949"N	103°51'36.118"W	0.00	No.318H PBHL

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
		7652.00	-1487.65	1483.61	641605.51	453376.96	32°14'44.232"N	103°52'31.118"W	point

No.318H Target #1	
1) No.318H PBHL	16268.00 7722.00 6245.45 6228.42 646349.99 448619.50 32°13'56.949"N 103°51'36.118"W point

SURVEY PROGRAM - Ref Wellbore: No.318H PWB Ref Wellpath: Rev-A.0				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
22.00	16268.00	NaviTrak (Standard)		No.318H PWB

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BOPCO, L.P.
LEASE NO.:	NMLC068905
WELL NAME & NO.:	Poker Lake Unit 318H
SURFACE HOLE FOOTAGE:	1530' FNL & 930' FEL
BOTTOM HOLE FOOTAGE:	2540' FNL & 85' FEL; Section 10, T. 24 S., R. 30 E
LOCATION:	Section 4, T. 24 S., R 30 E., NMPM
COUNTY:	Eddy County, New Mexico

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