

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)
432-683-22774. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**SESW, UL N, 1300' FSL & 2655' FWL, Lat:32.242956, Lg:103.885797
900' FSL & 2050' FEL, Sec 10, T24S-R30E, Lat: N32.227414, Lg:W103.86638**5. Lease Serial No
BHL LC 068905

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 320H9 API Well No
30-015-3981010. Field and Pool, or Exploratory Area
Poker Lake (Delaware) SW11 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)
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal
			☐ Water Shut-Off
			☐ Well Integrity
			☐ Other

- 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 recompletion 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 320H from its original location at 1300' FSL & 2,655' FWL of Sec 4, T24S-R30E, Lat:N32.242956, Lg:W103.885797 to a new location. The new location is 2,590' FSL & 1,670' FWL of Sec 4, T24S-R30E, Lat:N32.2465, Lg:W103.888986. 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 10/6/2011 and approved on 12/13/2011.

Attached are the new C-102 survey plats along with the new directional drilling plan. The dedicated acreage for this project area has increased from 520 acres to 600 acres.

COB 000050

Accepted for record

NMOCD

JOS
6/24/2012

RECEIVED

JUN 25 2012

NMOCD ARTESIA

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

Jeremy Braden

Title Engineering Assistant

Signature

Jeremy Braden

Date

5-8-12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Don Peterson

Title

Date

JUN 22 2012

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.

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

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

Form C-102
Revised July 16, 2010

RECEIVED

Submit one copy to appropriate District Office

JUN 25 2012

NMOC D ARTESIA

WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

API Number 30-015-39810	Pool Code 96047	Pool Name Poker Lake, SW (Delaware)
Property Code 306402	Property Name POKER LAKE UNIT	Well Number 320H
OGRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3364'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	4	24 S	30 E		2590	SOUTH	1670	WEST	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
O	10	24 S	30 E		900	SOUTH	2050	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
600			

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°14'47.40" Long - W 103°53'20.35" NMSPCE- N 453679.556 E 637376.514 (NAD-27) PROPOSED BOTTOM HOLE LOCATION Lot - N 32°13'38.69" Long - W 103°51'58.98" NMSPCE- N 446766.342 E 644394.545 (NAD-27) PROJECT AREA PRODUCING AREA 900' 2050'	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. <i>Jeremy Braden</i> 5-8-12 Signature Date Jeremy Braden Printed Name <i>jdbraden@basspet.com</i> Email Address 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. <i>GARY L. JONES</i> Date Surveyed <i>GARY L. JONES</i> Signature & Seal of Professional Surveyor 7977 W.O. No. 711251 Certificate No. Gary L. Jones 7977 BASIN SURVEYS 26661
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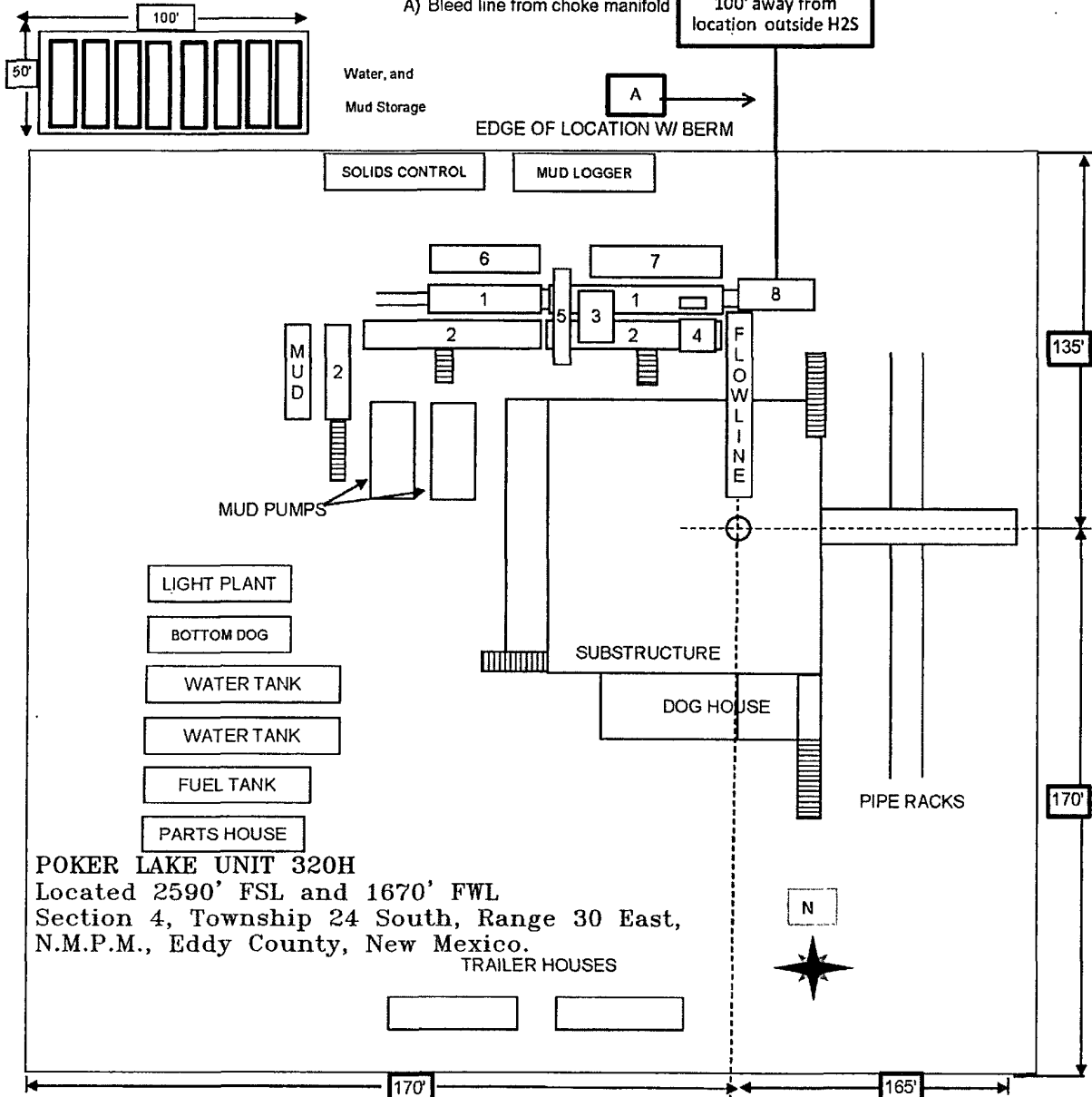
RIG LAYOUT

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 | |



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 26661
Survey Date: 05-01-2012
Scale: 1" = 2000'
Date: 05-03-2012

BOPCO, L.P.

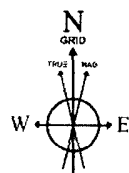
Sheet 6 of 6 Sheets



BOPCO, L.P.

Location: Eddy County, NM
Field: Poker Lake Unit
Facility: Poker Lake Unit No. 320H

Slot: No.320H SHL
Well: No.320H
Wellbore: No.320H PWB

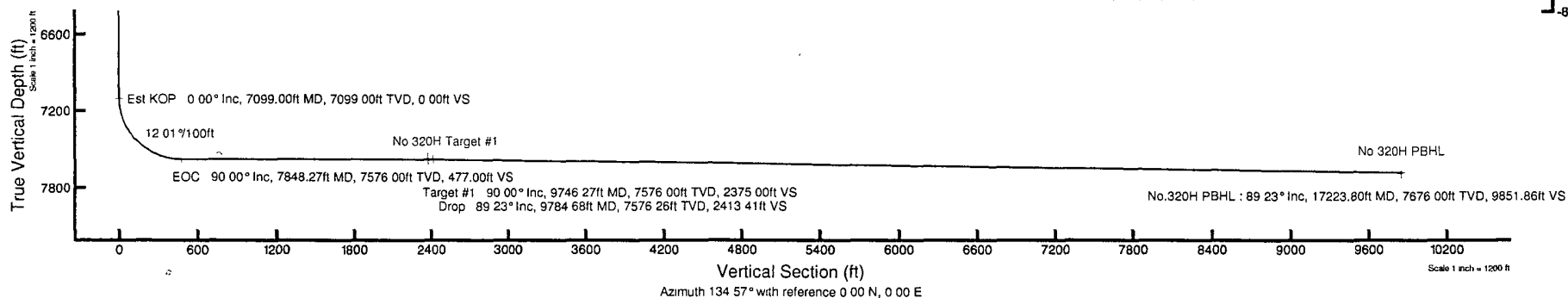
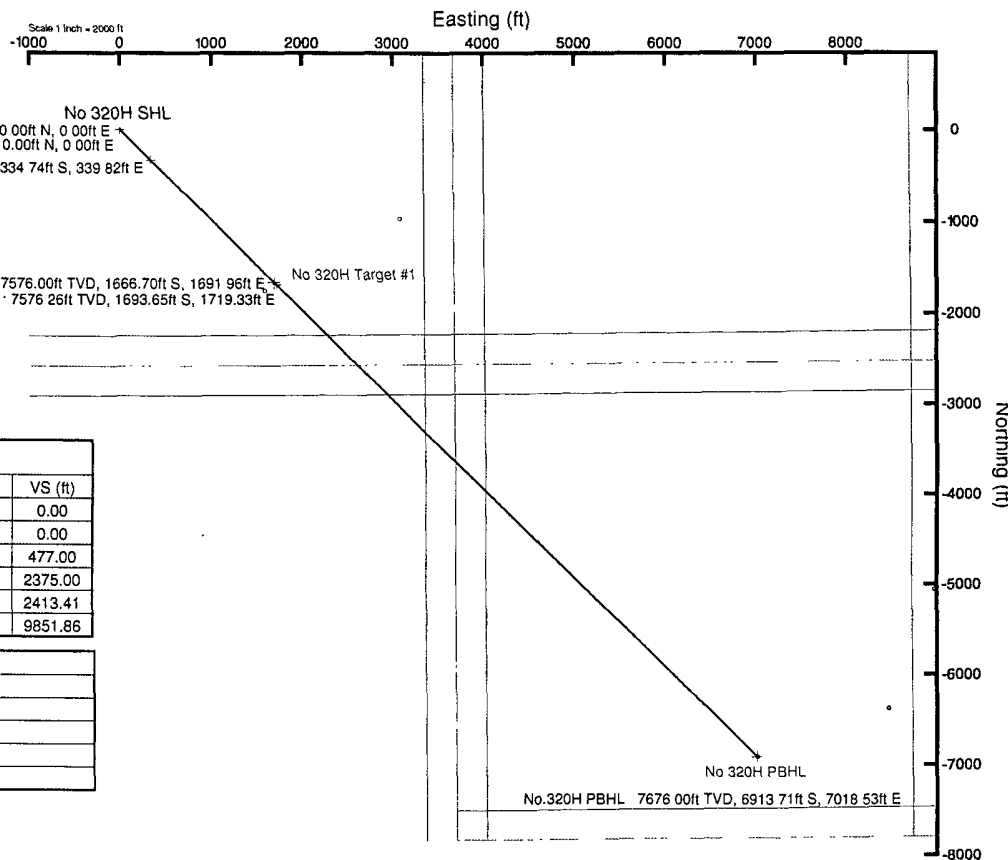


BGGM (1945 0 to 2013 0) Dip: 60.09° Field: 48504.1 nT
Magnetic North is 7.71 degrees East of True North (at 5/7/2012)
Grid North is 0.24 degrees East of True North
To correct azimuth from True to Grid subtract 0.24 degrees
To correct azimuth from Magnetic to Grid add 7.47 degrees
For example if the Magnetic North Azimuth = 90 degrees, then the Grid North Azimuth = 90 + 7.47 = 97.47

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	134.569	22.00	0.00	0.00	0.00	0.00
Est KOP	7099.00	0.000	134.569	7099.00	0.00	0.00	0.00	0.00
EOC	7848.27	90.000	134.569	7576.00	-334.74	339.82	12.01	477.00
Target #1	9746.27	90.000	134.569	7576.00	-1666.70	1691.96	0.00	2375.00
Drop	9784.68	89.232	134.569	7576.26	-1693.65	1719.33	2.00	2413.41
No 320H PBHL	17223.80	89.232	134.569	7676.00	-6913.71	7018.53	0.00	9851.86

Plot reference wellpath is Rev-A 0	
True vertical depths are referenced to Rig on No 320H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No 320H SHL (KB)	North Reference: Grid north
Rig on No 320H SHL (KB) to Mean Sea Level: 3437 feet	Scale: True distance
Mean Sea Level to Mud Line (At Slot No 320H SHL): -3415 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gentbry on 5/7/2012





Planned Wellpath Report

Rev-A.0
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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.320H SHL
Area	Eddy County, NM	Well	No.320H
Field	Poker Lake Unit	Wellbore	No.320H PWB
Facility	Poker Lake Unit No. 320H		

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	0.999931	Report Generated	5/7/2012 at 2:54:13 PM
Convergence at slot	0.24° East	Database/Source file	WA Midland/No.320H_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	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W
Facility Reference Pt			637376.51	453679.56	32°14'47.403"N	103°53'20.345"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.320H SHL (KB) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Slot	Rig on No.320H SHL (KB) to Mean Sea Level	3437.00ft
Vertical Reference Pt	Rig on No.320H SHL (KB)	Rig on No.320H SHL (KB) to Mud Line at Slot (No.320H SHL)	22.00ft
MD Reference Pt	Rig on No.320H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	134.57°



Planned Wellpath Report

Rev-A.0
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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.320H SHL
Area	Eddy County, NM	Well	No.320H
Field	Poker Lake Unit	Wellbore	No.320H PWB
Facility	Poker Lake Unit No. 320H		

WELLPATH DATA (187 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	134.569	0.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
22.00	0.000	134.569	22.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Tie On
122.00†	0.000	134.569	122.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
222.00†	0.000	134.569	222.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
322.00†	0.000	134.569	322.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
387.00†	0.000	134.569	387.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Rustler
422.00†	0.000	134.569	422.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
522.00†	0.000	134.569	522.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
532.00†	0.000	134.569	532.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Salado
622.00†	0.000	134.569	622.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
722.00†	0.000	134.569	722.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
822.00†	0.000	134.569	822.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
922.00†	0.000	134.569	922.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1022.00†	0.000	134.569	1022.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1122.00†	0.000	134.569	1122.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1222.00†	0.000	134.569	1222.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1322.00†	0.000	134.569	1322.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1422.00†	0.000	134.569	1422.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1522.00†	0.000	134.569	1522.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1622.00†	0.000	134.569	1622.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1722.00†	0.000	134.569	1722.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1822.00†	0.000	134.569	1822.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1922.00†	0.000	134.569	1922.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
1965.00†	0.000	134.569	1965.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Salt
2022.00†	0.000	134.569	2022.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2122.00†	0.000	134.569	2122.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2222.00†	0.000	134.569	2222.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2322.00†	0.000	134.569	2322.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2422.00†	0.000	134.569	2422.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2522.00†	0.000	134.569	2522.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2622.00†	0.000	134.569	2622.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2722.00†	0.000	134.569	2722.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2822.00†	0.000	134.569	2822.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
2922.00†	0.000	134.569	2922.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3022.00†	0.000	134.569	3022.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3122.00†	0.000	134.569	3122.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3222.00†	0.000	134.569	3222.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3315.00†	0.000	134.569	3315.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Base/Salt
3322.00†	0.000	134.569	3322.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3422.00†	0.000	134.569	3422.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3522.00†	0.000	134.569	3522.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3532.00†	0.000	134.569	3532.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Lamar
3565.00†	0.000	134.569	3565.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Ramsey
3622.00†	0.000	134.569	3622.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3722.00†	0.000	134.569	3722.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	



Planned Wellpath Report

Rev-A.0
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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.320H SHL
Area	Eddy County, NM	Well	No.320H
Field	Poker Lake Unit	Wellbore	No.320H PWB
Facility	Poker Lake Unit No. 320H		

WELLPATH DATA (187 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
3822.00†	0.000	134.569	3822.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
3922.00†	0.000	134.569	3922.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4022.00†	0.000	134.569	4022.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4122.00†	0.000	134.569	4122.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4222.00†	0.000	134.569	4222.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4322.00†	0.000	134.569	4322.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4422.00†	0.000	134.569	4422.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4522.00†	0.000	134.569	4522.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4622.00†	0.000	134.569	4622.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4722.00†	0.000	134.569	4722.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4822.00†	0.000	134.569	4822.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
4922.00†	0.000	134.569	4922.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5022.00†	0.000	134.569	5022.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5122.00†	0.000	134.569	5122.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5222.00†	0.000	134.569	5222.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5322.00†	0.000	134.569	5322.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5422.00†	0.000	134.569	5422.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5522.00†	0.000	134.569	5522.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5622.00†	0.000	134.569	5622.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5722.00†	0.000	134.569	5722.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5822.00†	0.000	134.569	5822.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
5922.00†	0.000	134.569	5922.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6022.00†	0.000	134.569	6022.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6045.00†	0.000	134.569	6045.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Lower Cherry Canyon
6122.00†	0.000	134.569	6122.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6222.00†	0.000	134.569	6222.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6322.00†	0.000	134.569	6322.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6422.00†	0.000	134.569	6422.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6522.00†	0.000	134.569	6522.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6622.00†	0.000	134.569	6622.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6722.00†	0.000	134.569	6722.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6822.00†	0.000	134.569	6822.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
6922.00†	0.000	134.569	6922.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
7022.00†	0.000	134.569	7022.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	
7099.00	0.000	134.569	7099.00	0.00	0.00	0.00	637376.51	453679.56	32°14'47.403"N	103°53'20.345"W	0.00	Est KOP
7122.00†	2.763	134.569	7121.99	0.55	-0.39	0.39	637376.91	453679.17	32°14'47.399"N	103°53'20.341"W	12.01	
7222.00†	14.774	134.569	7220.64	15.77	-11.07	11.24	637387.75	453668.49	32°14'47.293"N	103°53'20.215"W	12.01	
7322.00†	26.786	134.569	7313.97	51.18	-35.92	36.46	637412.98	453643.64	32°14'47.046"N	103°53'19.922"W	12.01	
7418.32†	38.356	134.569	7395.00	102.95	-72.25	73.34	637449.85	453607.31	32°14'46.685"N	103°53'19.495"W	12.01	LBC "8A" Sand
7422.00†	38.798	134.569	7397.88	105.24	-73.86	74.98	637451.49	453605.70	32°14'46.669"N	103°53'19.476"W	12.01	
7522.00†	50.809	134.569	7468.70	175.58	-123.22	125.09	637501.59	453556.35	32°14'46.178"N	103°53'18.895"W	12.01	
7622.00†	62.821	134.569	7523.33	259.12	-181.84	184.60	637561.10	453497.73	32°14'45.596"N	103°53'18.205"W	12.01	
7722.00†	74.833	134.569	7559.38	352.20	-247.16	250.91	637627.41	453432.41	32°14'44.947"N	103°53'17.436"W	12.01	
7822.00†	86.845	134.569	7575.28	450.74	-316.32	321.11	637697.60	453363.26	32°14'44.259"N	103°53'16.622"W	12.01	
7848.27	90.000	134.569	7576.00	477.00	-334.74	339.82	637716.31	453344.84	32°14'44.076"N	103°53'16.405"W	12.01	EOC



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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.320H SHL
Area	Eddy County, NM	Well	No.320H
Field	Poker Lake Unit	Wellbore	No.320H PWB
Facility	Poker Lake Unit No. 320H		

WELLPATH DATA (187 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
7922.00†	90.000	134.569	7576.00	550.73	-386.48	392.34	637768.83	453293.10	32°14'43.562"N	103°53'15.796"W	0.00	
8022.00†	90.000	134.569	7576.00	650.73	-456.66	463.58	637840.06	453222.93	32°14'42.865"N	103°53'14.970"W	0.00	
8122.00†	90.000	134.569	7576.00	750.73	-526.84	534.82	637911.30	453152.76	32°14'42.168"N	103°53'14.144"W	0.00	
8222.00†	90.000	134.569	7576.00	850.73	-597.01	606.07	637982.54	453082.58	32°14'41.470"N	103°53'13.318"W	0.00	
8322.00†	90.000	134.569	7576.00	950.73	-667.19	677.31	638053.77	453012.41	32°14'40.773"N	103°53'12.491"W	0.00	
8422.00†	90.000	134.569	7576.00	1050.73	-737.37	748.55	638125.01	452942.24	32°14'40.075"N	103°53'11.665"W	0.00	
8522.00†	90.000	134.569	7576.00	1150.73	-807.55	819.79	638196.24	452872.07	32°14'39.378"N	103°53'10.839"W	0.00	
8622.00†	90.000	134.569	7576.00	1250.73	-877.72	891.03	638267.48	452801.90	32°14'38.681"N	103°53'10.013"W	0.00	
8722.00†	90.000	134.569	7576.00	1350.73	-947.90	962.27	638338.71	452731.72	32°14'37.983"N	103°53'09.187"W	0.00	
8822.00†	90.000	134.569	7576.00	1450.73	-1018.08	1033.51	638409.95	452661.55	32°14'37.286"N	103°53'08.361"W	0.00	
8922.00†	90.000	134.569	7576.00	1550.73	-1088.25	1104.75	638481.18	452591.38	32°14'36.589"N	103°53'07.535"W	0.00	
9022.00†	90.000	134.569	7576.00	1650.73	-1158.43	1175.99	638552.42	452521.21	32°14'35.891"N	103°53'06.709"W	0.00	
9122.00†	90.000	134.569	7576.00	1750.73	-1228.61	1247.23	638623.66	452451.04	32°14'35.194"N	103°53'05.883"W	0.00	
9222.00†	90.000	134.569	7576.00	1850.73	-1298.78	1318.47	638694.89	452380.87	32°14'34.497"N	103°53'05.057"W	0.00	
9322.00†	90.000	134.569	7576.00	1950.73	-1368.96	1389.71	638766.13	452310.69	32°14'33.799"N	103°53'04.231"W	0.00	
9422.00†	90.000	134.569	7576.00	2050.73	-1439.14	1460.95	638837.36	452240.52	32°14'33.102"N	103°53'03.405"W	0.00	
9522.00†	90.000	134.569	7576.00	2150.73	-1509.31	1532.19	638908.60	452170.35	32°14'32.404"N	103°53'02.579"W	0.00	
9622.00†	90.000	134.569	7576.00	2250.73	-1579.49	1603.43	638979.83	452100.18	32°14'31.707"N	103°53'01.753"W	0.00	
9722.00†	90.000	134.569	7576.00	2350.73	-1649.67	1674.67	639051.07	452030.01	32°14'31.010"N	103°53'00.927"W	0.00	
9746.27	90.000	134.569	7576.00	2375.00	-1666.70	1691.96	639068.36	452012.98	32°14'30.840"N	103°53'00.727"W	0.00	Target #1
9784.68	89.232	134.569	7576.26	2413.41	-1693.65	1719.33	639095.72	451986.02	32°14'30.573"N	103°53'00.409"W	2.00	Drop
9822.00†	89.232	134.569	7576.76	2450.73	-1719.84	1745.91	639122.30	451959.84	32°14'30.312"N	103°53'00.101"W	0.00	
9922.00†	89.232	134.569	7578.10	2550.72	-1790.01	1817.15	639193.53	451889.67	32°14'29.615"N	103°52'59.275"W	0.00	
10022.00†	89.232	134.569	7579.44	2650.71	-1860.18	1888.38	639264.76	451819.51	32°14'28.918"N	103°52'58.449"W	0.00	
10122.00†	89.232	134.569	7580.78	2750.70	-1930.35	1959.61	639335.99	451749.34	32°14'28.220"N	103°52'57.623"W	0.00	
10222.00†	89.232	134.569	7582.12	2850.69	-2000.52	2030.85	639407.22	451679.18	32°14'27.523"N	103°52'56.797"W	0.00	
10322.00†	89.232	134.569	7583.46	2950.68	-2070.69	2102.08	639478.45	451609.01	32°14'26.826"N	103°52'55.972"W	0.00	
10422.00†	89.232	134.569	7584.80	3050.67	-2140.86	2173.32	639549.68	451538.85	32°14'26.128"N	103°52'55.146"W	0.00	
10522.00†	89.232	134.569	7586.14	3150.66	-2211.03	2244.55	639620.91	451468.68	32°14'25.431"N	103°52'54.320"W	0.00	
10622.00†	89.232	134.569	7587.48	3250.65	-2281.20	2315.79	639692.13	451398.52	32°14'24.734"N	103°52'53.494"W	0.00	
10722.00†	89.232	134.569	7588.82	3350.64	-2351.37	2387.02	639763.36	451328.35	32°14'24.036"N	103°52'52.668"W	0.00	
10822.00†	89.232	134.569	7590.17	3450.64	-2421.54	2458.25	639834.59	451258.19	32°14'23.339"N	103°52'51.842"W	0.00	
10922.00†	89.232	134.569	7591.51	3550.63	-2491.71	2529.49	639905.82	451188.02	32°14'22.642"N	103°52'51.016"W	0.00	
11022.00†	89.232	134.569	7592.85	3650.62	-2561.88	2600.72	639977.05	451117.85	32°14'21.945"N	103°52'50.190"W	0.00	
11122.00†	89.232	134.569	7594.19	3750.61	-2632.05	2671.96	640048.28	451047.69	32°14'21.247"N	103°52'49.364"W	0.00	
11222.00†	89.232	134.569	7595.53	3850.60	-2702.22	2743.19	640119.51	450977.52	32°14'20.550"N	103°52'48.538"W	0.00	
11322.00†	89.232	134.569	7596.87	3950.59	-2772.40	2814.43	640190.74	450907.36	32°14'19.853"N	103°52'47.713"W	0.00	
11422.00†	89.232	134.569	7598.21	4050.58	-2842.57	2885.66	640261.97	450837.19	32°14'19.155"N	103°52'46.887"W	0.00	
11522.00†	89.232	134.569	7599.55	4150.57	-2912.74	2956.89	640333.20	450767.03	32°14'18.458"N	103°52'46.061"W	0.00	
11622.00†	89.232	134.569	7600.89	4250.56	-2982.91	3028.13	640404.43	450696.86	32°14'17.760"N	103°52'45.235"W	0.00	
11722.00†	89.232	134.569	7602.23	4350.55	-3053.08	3099.36	640475.66	450626.70	32°14'17.063"N	103°52'44.409"W	0.00	
11822.00†	89.232	134.569	7603.57	4450.55	-3123.25	3170.60	640546.89	450556.53	32°14'16.366"N	103°52'43.583"W	0.00	
11922.00†	89.232	134.569	7604.91	4550.54	-3193.42	3241.83	640618.11	450486.37	32°14'15.668"N	103°52'42.757"W	0.00	
12022.00†	89.232	134.569	7606.26	4650.53	-3263.59	3313.07	640689.34	450416.20	32°14'14.971"N	103°52'41.932"W	0.00	
12122.00†	89.232	134.569	7607.60	4750.52	-3333.76	3384.30	640760.57	450346.04	32°14'14.274"N	103°52'41.106"W	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.320H SHL
Area	Eddy County, NM	Well	No.320H
Field	Poker Lake Unit	Wellbore	No.320H PWB
Facility	Poker Lake Unit No. 320H		

WELLPATH DATA (187 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†	89.232	134.569	7608.94	4850.51	-3403.93	3455.53	640831.80	450275.87	32°14'13.576"N	103°52'40.280"W	0.00	
12322.00†	89.232	134.569	7610.28	4950.50	-3474.10	3526.77	640903.03	450205.71	32°14'12.879"N	103°52'39.454"W	0.00	
12422.00†	89.232	134.569	7611.62	5050.49	-3544.27	3598.00	640974.26	450135.54	32°14'12.182"N	103°52'38.628"W	0.00	
12522.00†	89.232	134.569	7612.96	5150.48	-3614.44	3669.24	641045.49	450065.37	32°14'11.484"N	103°52'37.802"W	0.00	
12622.00†	89.232	134.569	7614.30	5250.47	-3684.61	3740.47	641116.72	449995.21	32°14'10.787"N	103°52'36.977"W	0.00	
12722.00†	89.232	134.569	7615.64	5350.46	-3754.78	3811.71	641187.95	449925.04	32°14'10.090"N	103°52'36.151"W	0.00	
12822.00†	89.232	134.569	7616.98	5450.46	-3824.95	3882.94	641259.18	449854.88	32°14'09.392"N	103°52'35.325"W	0.00	
12922.00†	89.232	134.569	7618.32	5550.45	-3895.12	3954.17	641330.41	449784.71	32°14'08.695"N	103°52'34.499"W	0.00	
13022.00†	89.232	134.569	7619.66	5650.44	-3965.29	4025.41	641401.64	449714.55	32°14'07.998"N	103°52'33.673"W	0.00	
13122.00†	89.232	134.569	7621.00	5750.43	-4035.46	4096.64	641472.87	449644.38	32°14'07.300"N	103°52'32.847"W	0.00	
13222.00†	89.232	134.569	7622.34	5850.42	-4105.63	4167.88	641544.09	449574.22	32°14'06.603"N	103°52'32.022"W	0.00	
13322.00†	89.232	134.569	7623.69	5950.41	-4175.80	4239.11	641615.32	449504.05	32°14'05.905"N	103°52'31.196"W	0.00	
13422.00†	89.232	134.569	7625.03	6050.40	-4245.97	4310.35	641686.55	449433.89	32°14'05.208"N	103°52'30.370"W	0.00	
13522.00†	89.232	134.569	7626.37	6150.39	-4316.14	4381.58	641757.78	449363.72	32°14'04.511"N	103°52'29.544"W	0.00	
13622.00†	89.232	134.569	7627.71	6250.38	-4386.31	4452.82	641829.01	449293.56	32°14'03.813"N	103°52'28.718"W	0.00	
13722.00†	89.232	134.569	7629.05	6350.38	-4456.48	4524.05	641900.24	449223.39	32°14'03.116"N	103°52'27.893"W	0.00	
13822.00†	89.232	134.569	7630.39	6450.37	-4526.65	4595.28	641971.47	449153.23	32°14'02.419"N	103°52'27.067"W	0.00	
13922.00†	89.232	134.569	7631.73	6550.36	-4596.82	4666.52	642042.70	449083.06	32°14'01.721"N	103°52'26.241"W	0.00	
14022.00†	89.232	134.569	7633.07	6650.35	-4666.99	4737.75	642113.93	449012.89	32°14'01.024"N	103°52'25.415"W	0.00	
14122.00†	89.232	134.569	7634.41	6750.34	-4737.16	4808.99	642185.16	448942.73	32°14'00.327"N	103°52'24.589"W	0.00	
14222.00†	89.232	134.569	7635.75	6850.33	-4807.33	4880.22	642256.39	448872.56	32°13'59.629"N	103°52'23.764"W	0.00	
14322.00†	89.232	134.569	7637.09	6950.32	-4877.51	4951.46	642327.62	448802.40	32°13'58.932"N	103°52'22.938"W	0.00	
14422.00†	89.232	134.569	7638.43	7050.31	-4947.68	5022.69	642398.85	448732.23	32°13'58.234"N	103°52'22.112"W	0.00	
14522.00†	89.232	134.569	7639.77	7150.30	-5017.85	5093.92	642470.07	448662.07	32°13'57.537"N	103°52'21.286"W	0.00	
14622.00†	89.232	134.569	7641.12	7250.29	-5088.02	5165.16	642541.30	448591.90	32°13'56.840"N	103°52'20.461"W	0.00	
14722.00†	89.232	134.569	7642.46	7350.29	-5158.19	5236.39	642612.53	448521.74	32°13'56.142"N	103°52'19.635"W	0.00	
14822.00†	89.232	134.569	7643.80	7450.28	-5228.36	5307.63	642683.76	448451.57	32°13'55.445"N	103°52'18.809"W	0.00	
14922.00†	89.232	134.569	7645.14	7550.27	-5298.53	5378.86	642754.99	448381.41	32°13'54.747"N	103°52'17.983"W	0.00	
15022.00†	89.232	134.569	7646.48	7650.26	-5368.70	5450.10	642826.22	448311.24	32°13'54.050"N	103°52'17.158"W	0.00	
15122.00†	89.232	134.569	7647.82	7750.25	-5438.87	5521.33	642897.45	448241.08	32°13'53.353"N	103°52'16.332"W	0.00	
15222.00†	89.232	134.569	7649.16	7850.24	-5509.04	5592.56	642968.68	448170.91	32°13'52.655"N	103°52'15.506"W	0.00	
15322.00†	89.232	134.569	7650.50	7950.23	-5579.21	5663.80	643039.91	448100.75	32°13'51.958"N	103°52'14.680"W	0.00	
15422.00†	89.232	134.569	7651.84	8050.22	-5649.38	5735.03	643111.14	448030.58	32°13'51.261"N	103°52'13.855"W	0.00	
15522.00†	89.232	134.569	7653.18	8150.21	-5719.55	5806.27	643182.37	447960.41	32°13'50.563"N	103°52'13.029"W	0.00	
15622.00†	89.232	134.569	7654.52	8250.20	-5789.72	5877.50	643253.60	447890.25	32°13'49.866"N	103°52'12.203"W	0.00	
15722.00†	89.232	134.569	7655.86	8350.20	-5859.89	5948.74	643324.83	447820.08	32°13'49.168"N	103°52'11.377"W	0.00	
15822.00†	89.232	134.569	7657.20	8450.19	-5930.06	6019.97	643396.05	447749.92	32°13'48.471"N	103°52'10.552"W	0.00	
15922.00†	89.232	134.569	7658.55	8550.18	-6000.23	6091.20	643467.28	447679.75	32°13'47.774"N	103°52'09.726"W	0.00	
16022.00†	89.232	134.569	7659.89	8650.17	-6070.40	6162.44	643538.51	447609.59	32°13'47.076"N	103°52'08.900"W	0.00	
16122.00†	89.232	134.569	7661.23	8750.16	-6140.57	6233.67	643609.74	447539.42	32°13'46.379"N	103°52'08.075"W	0.00	
16222.00†	89.232	134.569	7662.57	8850.15	-6210.74	6304.91	643680.97	447469.26	32°13'45.681"N	103°52'07.249"W	0.00	
16322.00†	89.232	134.569	7663.91	8950.14	-6280.91	6376.14	643752.20	447399.09	32°13'44.984"N	103°52'06.423"W	0.00	
16422.00†	89.232	134.569	7665.25	9050.13	-6351.08	6447.38	643823.43	447328.93	32°13'44.286"N	103°52'05.598"W	0.00	
16522.00†	89.232	134.569	7666.59	9150.12	-6421.25	6518.61	643894.66	447258.76	32°13'43.589"N	103°52'04.772"W	0.00	
16622.00†	89.232	134.569	7667.93	9250.11	-6491.42	6589.84	643965.89	447188.60	32°13'42.892"N	103°52'03.946"W	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.320H SHL
Area	Eddy County, NM	Well	No.320H
Field	Poker Lake Unit	Wellbore	No.320H PWB
Facility	Poker Lake Unit No. 320H		

WELLPATH DATA (187 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
16722.00†	89.232	134.569	7669.27	9350.11	-6561.59	6661.08	644037.12	447118.43	32°13'42.194"N	103°52'03.120"W	0.00	
16822.00†	89.232	134.569	7670.61	9450.10	-6631.76	6732.31	644108.35	447048.27	32°13'41.497"N	103°52'02.295"W	0.00	
16922.00†	89.232	134.569	7671.95	9550.09	-6701.93	6803.55	644179.58	446978.10	32°13'40.799"N	103°52'01.469"W	0.00	
17022.00†	89.232	134.569	7673.29	9650.08	-6772.10	6874.78	644250.81	446907.93	32°13'40.102"N	103°52'00.643"W	0.00	
17122.00†	89.232	134.569	7674.64	9750.07	-6842.27	6946.02	644322.03	446837.77	32°13'39.405"N	103°51'59.818"W	0.00	
17222.00†	89.232	134.569	7675.98	9850.06	-6912.44	7017.25	644393.26	446767.60	32°13'38.707"N	103°51'58.992"W	0.00	
17223.80	89.232	134.569	7676.00†	9851.86	-6913.71	7018.53	644394.55	446766.34	32°13'38.695"N	103°51'58.977"W	0.00	No.320H PBHL

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.320H Target #1		7576.00	-1666.70	1691.96	639068.36	452012.98	32°14'30.840"N	103°53'00.727"W	point
1) No.320H PBHL	17223.80	7676.00	-6913.71	7018.53	644394.55	446766.34	32°13'38.695"N	103°51'58.977"W	point

SURVEY PROGRAM - Ref Wellbore: No.320H PWB Ref Wellpath: Rev-A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
22.00	17223.80	NaviTrak (Standard)		No.320H PWB