

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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 ☐ Other		5. Lease Serial No. NMLC068430
2. Name of Operator BOPCO LP		6. If Indian, Allottee or Tribe Name
3a. Address P O BOX 2760 MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No. 891000303X
3b. Phone No. (include area code) Ph: 432-683-2277		8. Well Name and No. POKER LAKE UNIT 432H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T24S R30E SWSW 0900FSL 0300FWL 32.115454 N Lat, 103.513185 W Lon		9. API Well No. 30-015-42488-00-X1
		10. Field and Pool, or Exploratory POKER LAKE
		11. County or Parish, and State EDDY COUNTY, NM

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	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 recomplete 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 of the POKER LAKE UNIT #432H to 900? FSL & 311? FWL of Section 23, T24S-R30E. This move was due to issues that occurred while drilling the conductor for the original surface location. The updated survey plat and directional plan is attached. All drilling plans will remain the same, there will be no changes to the approved 8 pt. (Casing, set depths, cement volumes, grades utilized, BHL, etc.). The surface has already been moved to this new location with BLM engineering verbal approval.

Accepted for record
NMOCD 10/5/14

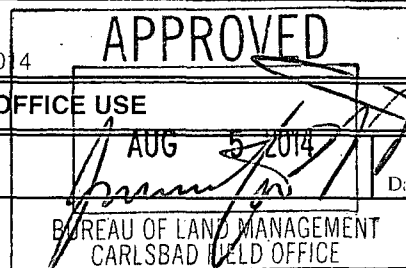
NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 08 2014

RECEIVED

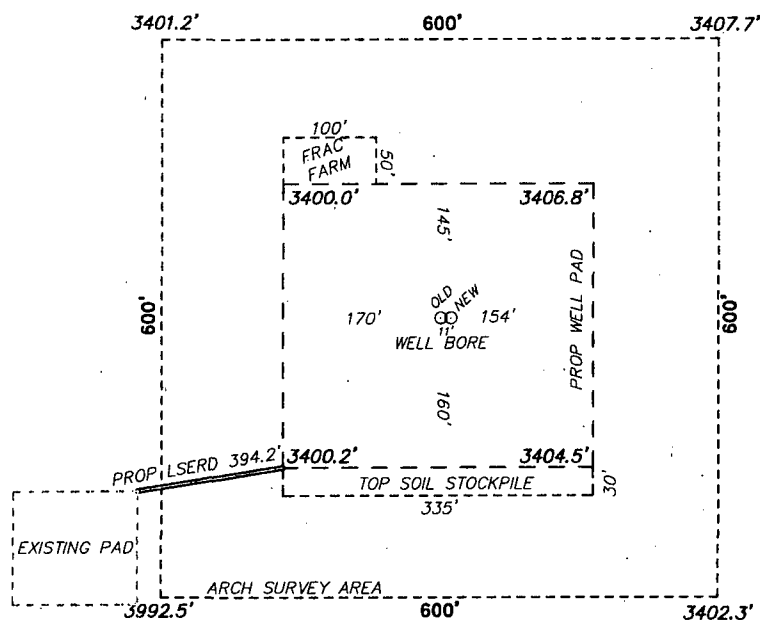
Original COAs still stand

14. I hereby certify that the foregoing is true and correct. Electronic Submission #255844 verified by the BLM Well Information System For BOPCO LP, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER MASON on 08/05/2014 (14JAM0360SE)	
Name (Printed/Typed) BRIAN BRAUN	Title DRILLING ENGINEER
Signature (Electronic Submission)	Date 08/05/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By <i>Stephen J Coff</i>	Title <i>Brian Braun</i>
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	



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.

SECTION 23, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



CIMAREX ENERGY CO.
POKER LAKE UNIT 432H

ELEV. - 3402'

Lat - N 32°11'54.54"

Long - W 103°51'31.72"

NMSPCE- N 436251.4

E 646782.6

(NAD-27)

LOVING, NM IS ±15 MILES TO THE NORTHWEST OF LOCATION.

200 0 200 400 FEET

SCALE: 1" = 200'

Directions to Location:

FROM THE JUNCTION OF HWY 128 AND TWIN WELLS
ROAD, GO SOUTH ON TWIN WELLS FOR 9 MILES,
TURN RIGHT ON LEASE ROAD TO EXISTING PAD,
NORTH ONTO PROPOSED LEASE ROAD.

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1120 N. West County Rd.

Hobbs, New Mexico 88241

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BOPCO, L.P.

REF: POKER LAKE UNIT 432H / WELL PAD TOPO

THE POKER LAKE UNIT 432H LOCATED 900' FROM
THE SOUTH LINE AND 311' FROM THE WEST LINE OF
SECTION 23, TOWNSHIP 24 SOUTH, RANGE 30 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

W.O. Number: 29923

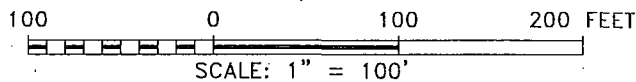
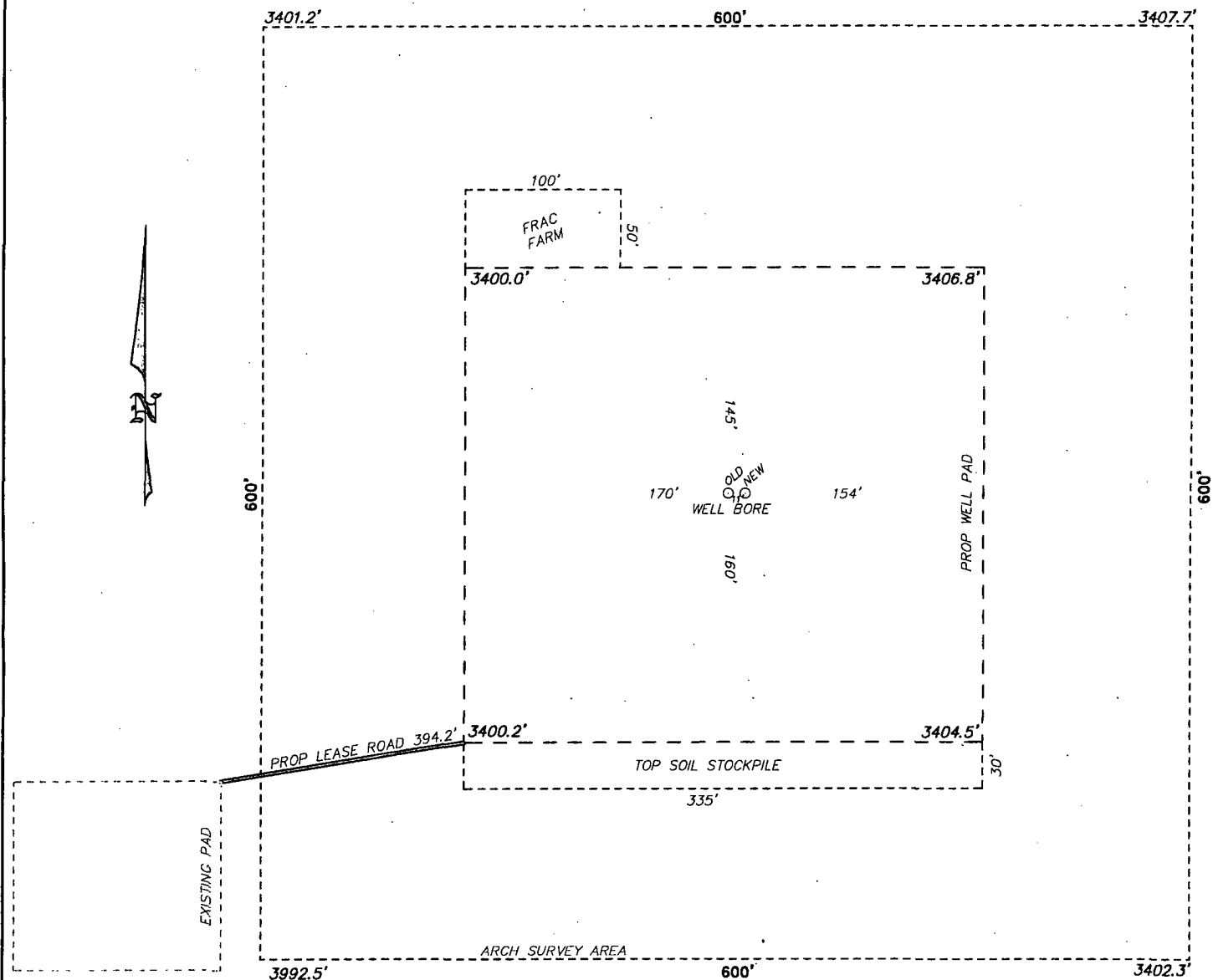
Drawn By: K. NORRIS

Date: 01-06-2014

Survey Date: 12-30-2013

Sheet 1 of 1 Sheets

SECTION 23, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



BOPCO, L.P.

REF: POKER LAKE UNIT 432H / WELL PAD TOPO

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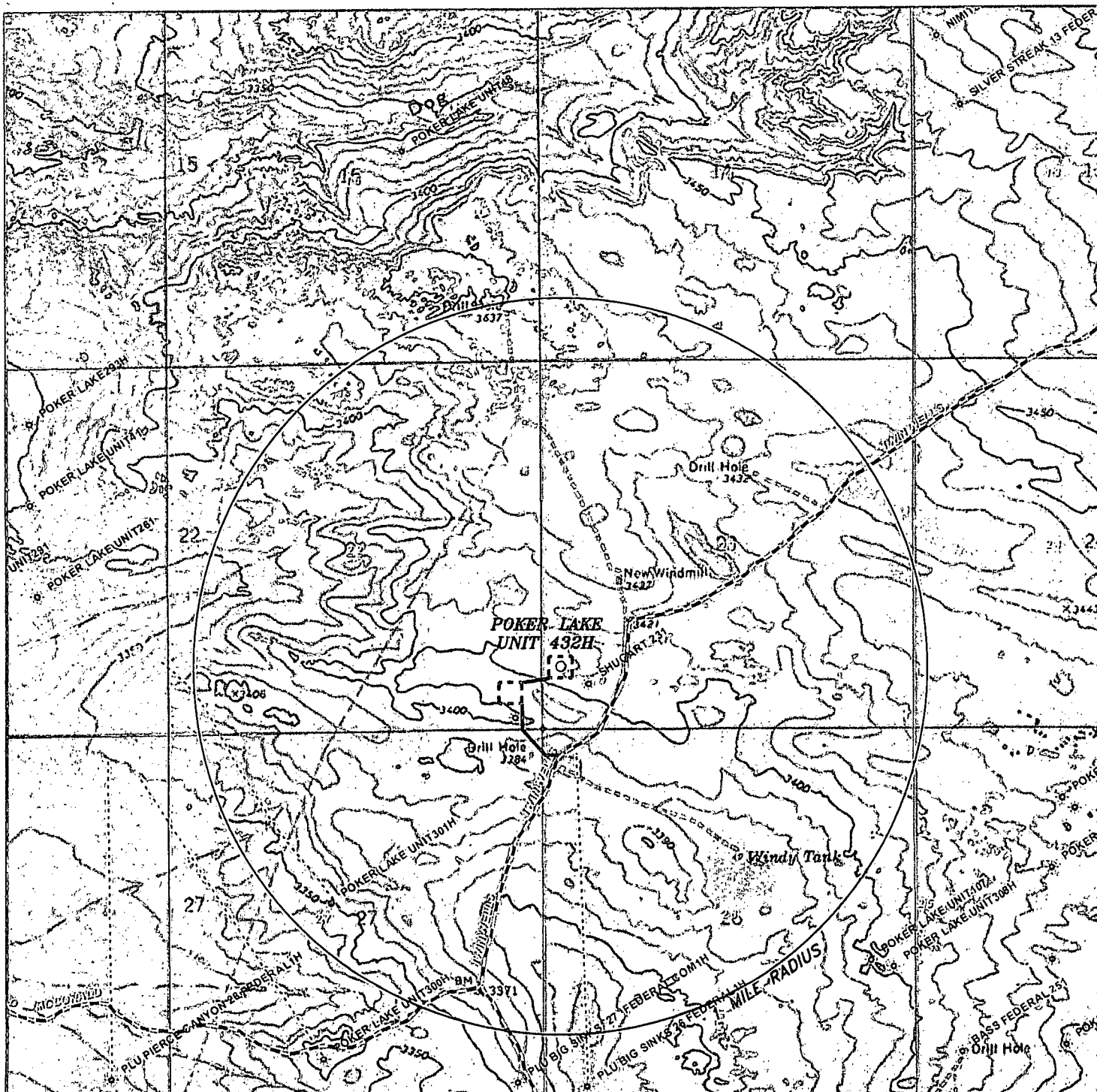
W.O. Number: 29923

Drawn By: K. NORRIS

Date: 01-06-2014

Survey Date: 12-30-2013

Sheet 1 of 1 Sheets



POKER LAKE UNIT 432H

Located 900' FSL and 311' FWL

Section 23, Township 24 South, Range 30 East,
N.M.P.M., Eddy County, New Mexico.

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0' 1000' 2000' 3000' 4000'

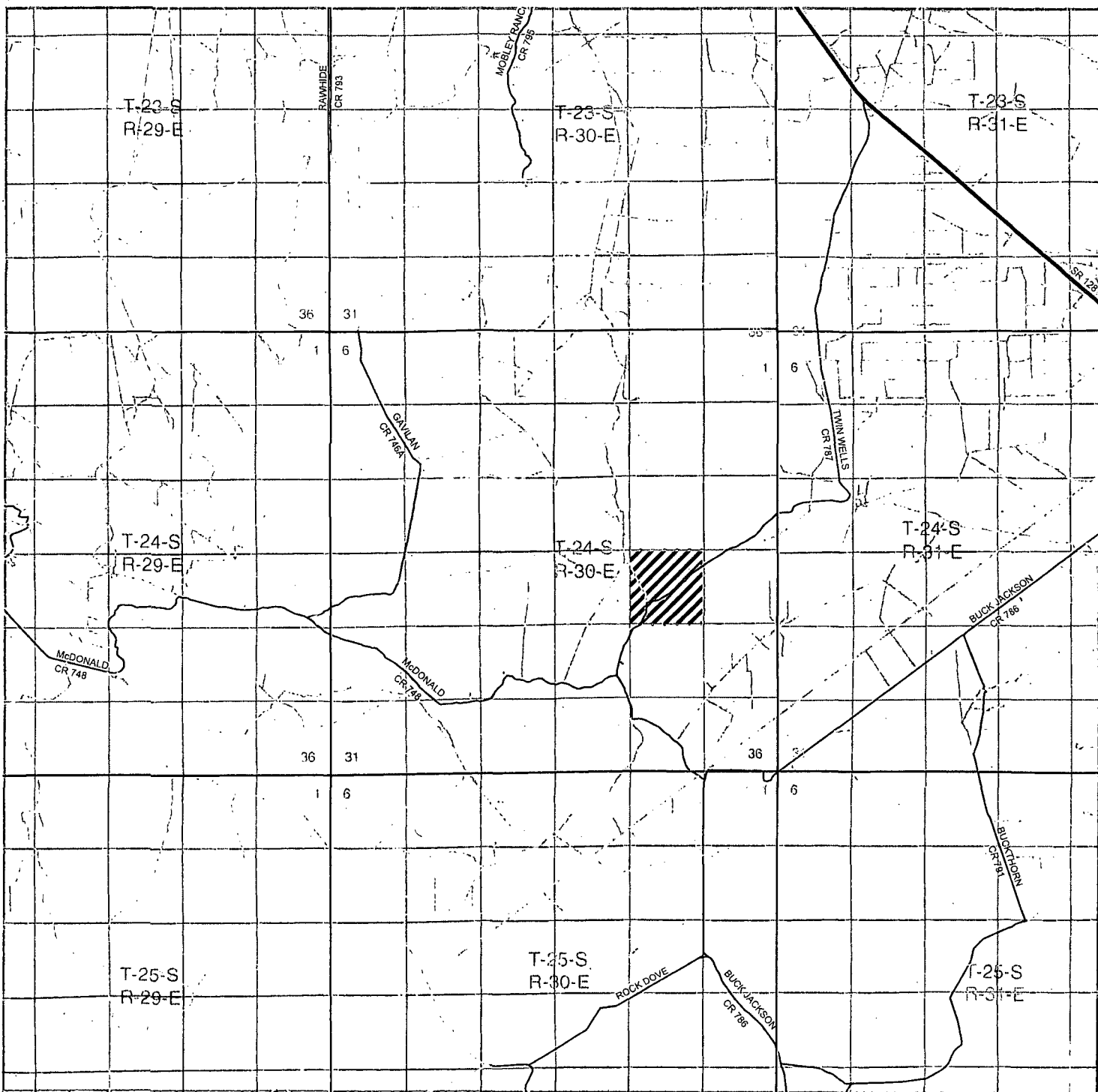
SCALE: 1" = 2000'

W.O. Number: KAN 29923

Survey Date: 12-30-2013

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - USA LAND

BOPCO, L.P.



POKER LAKE UNIT 432H

Located 900' FSL and 311' FWL

Section 23, Township 24 South, Range 30 East,
N.M.P.M., Eddy County, New Mexico.

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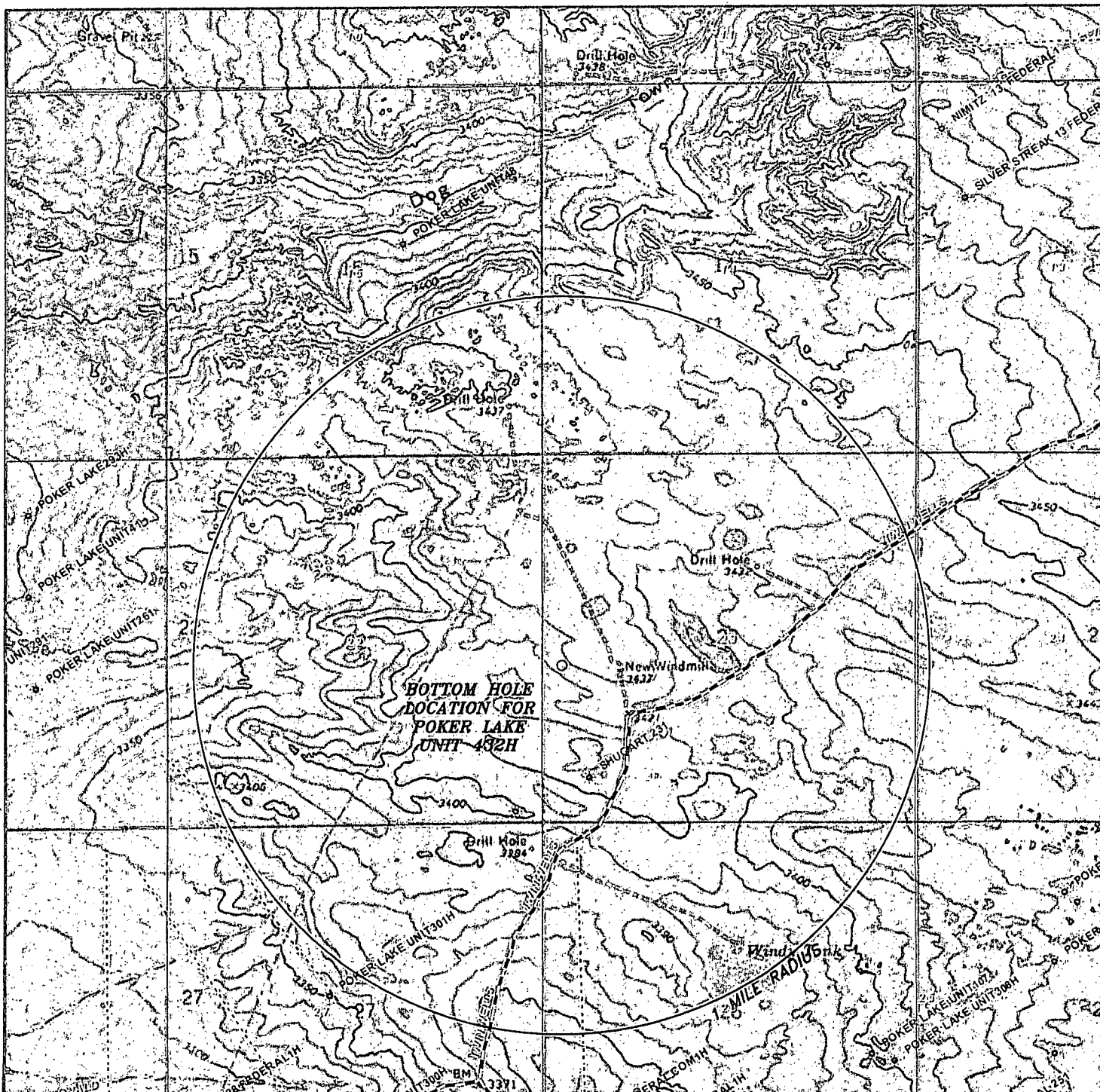
0 1 MI 2 MI 3 MI 4 MI
SCALE: 1" = 2 MILES

W.O. Number: KAN 29923

Survey Date: 12-30-2013

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - USA LAND

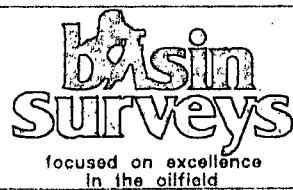
BOPCO, L.P.



BOTTOM HOLE LOCATION FOR POKER LAKE UNIT 432H

Located 2250' FSL and 300' FWL

Section 23, Township 24 South, Range 30 East,
N.M.P.M., Eddy County, New Mexico.



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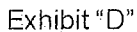
0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'

W.O. Number: KAN 29923

Survey Date: 12-30-2013

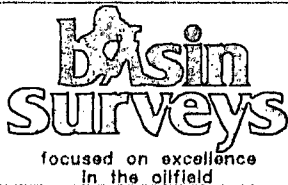
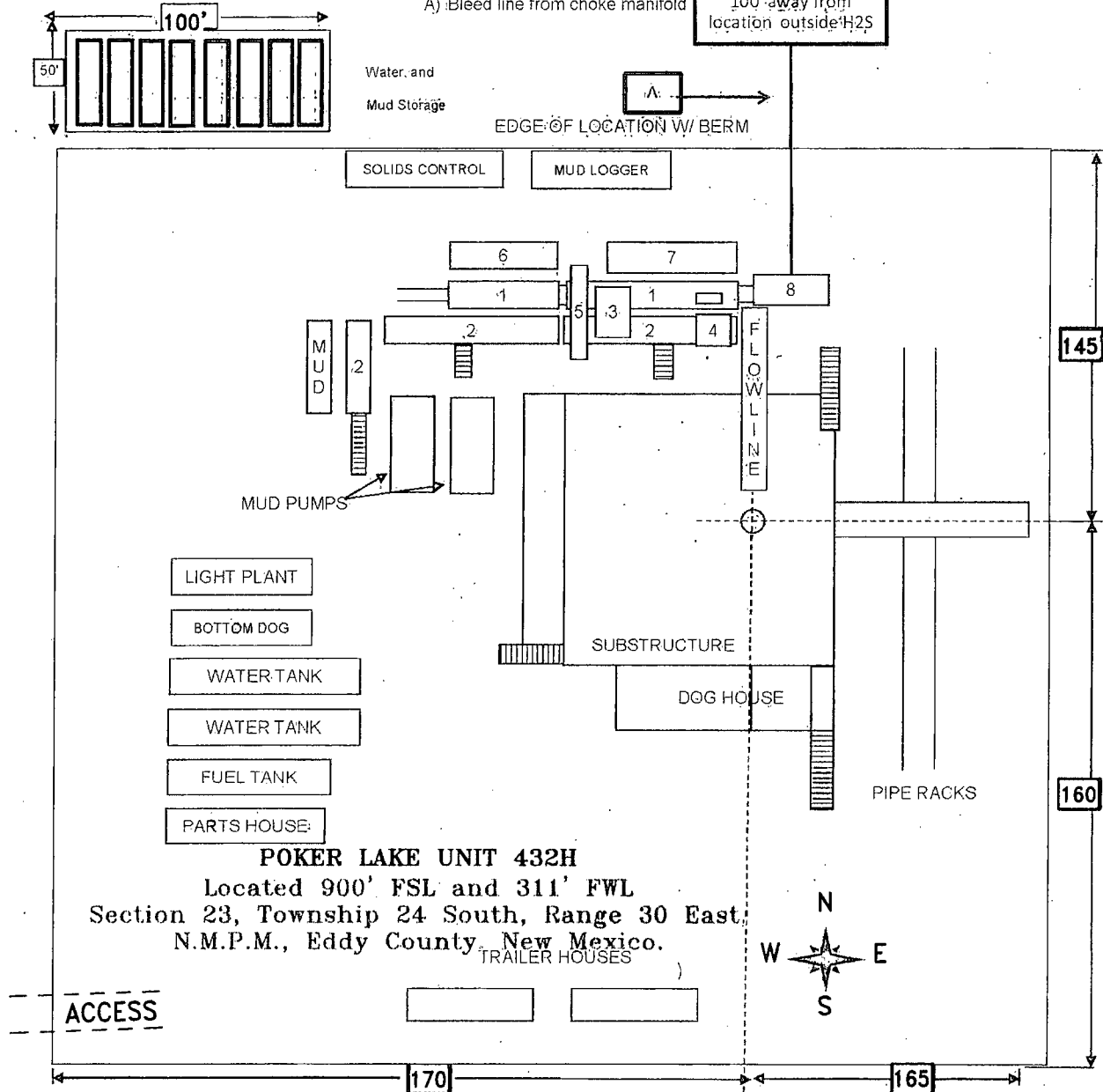
YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - USA LAND

BOPCO, L.P.



Solids Control Equipment Legend

- Flare Pit 150' away
from location in H2S
area,
100' away from
location outside H2S



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SCALE: NONE

W.O. Number: JMS 29923

Survey Date: 01-21-2014

BOPCO, L.P.



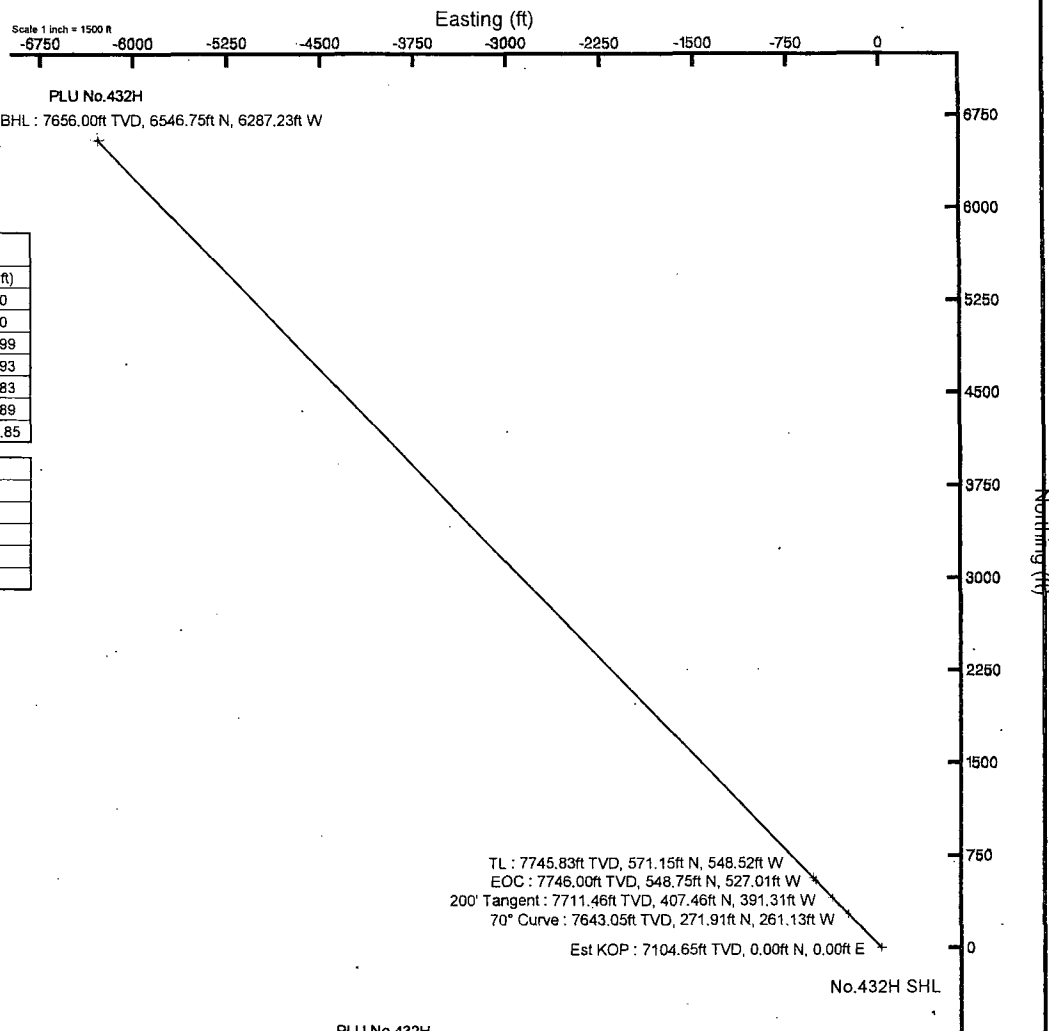


WTD - West Texas Division

Location: Eddy County, NM
Field: Poker Lake Unit
Facility: PLU No.432H

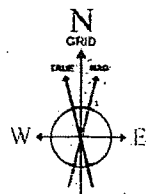
Slot: No.432H SHL
Well: No.432H
Wellbore: No.432H PWB

BOPCO, L.P.

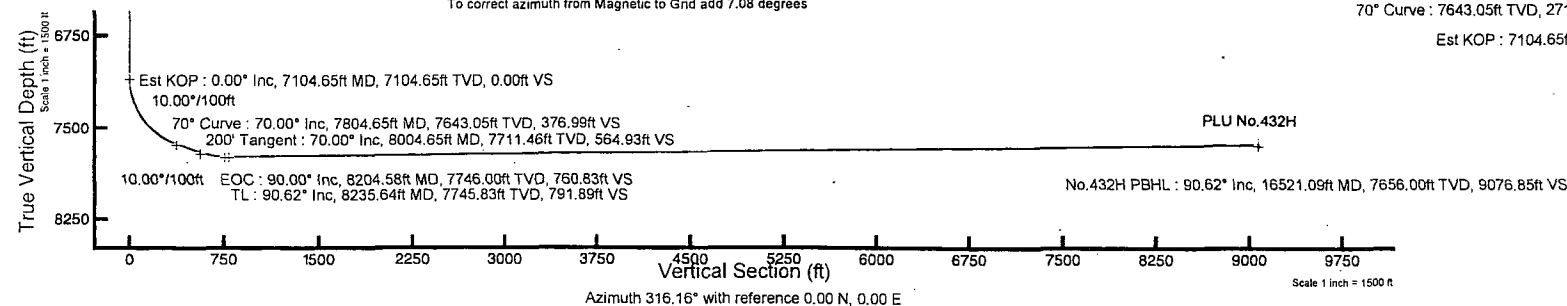


Well Profile Data								
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	19.00	0.000	316.158	19.00	0.00	0.00	0.00	0.00
Est KOP	7104.65	0.000	316.158	7104.65	0.00	0.00	0.00	0.00
70° Curve	7804.65	70.000	316.158	7643.05	271.91	-261.13	10.00	376.99
200' Tangent	8004.65	70.000	316.158	7711.46	407.46	-391.31	0.00	564.93
EOC	8204.58	90.000	316.158	7746.00	548.75	-527.01	10.00	760.83
TL	8235.64	90.621	316.158	7745.83	571.15	-548.52	2.00	791.89
No.432H PBHL	16521.09	90.621	316.158	7656.00	6546.75	-6287.23	0.00	9076.85

Plot reference wellpath is B-1	
True vertical depths are referenced to Rig on No.432H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No.432H SHL (KB)	North Reference: Grid north
Rig on No.432H SHL (KB) to Mean Sea Level: 3421 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No.432H SHL): -3402 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: BWGentry on 8/5/2014



IGRF-11 (1900.0 thru 2014.0) Dip: 60.04° Field: 48256.7 nT
Magnetic North is 7.33 degrees East of True North (at 8/5/2014)
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 7.08 degrees





Planned Wellpath Report

B-1

Page 1 of 6

BOPCO, L.P.

REFERENCE WELLPATH IDENTIFICATION			
Operator	WTD - West Texas Division	Slot	No.432H SHL
Area	Eddy County, NM	Well	No.432H
Field	Poker Lake Unit	Wellbore	No.432H PWB
Facility	PLU No.432H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	BWGentry
Scale	0.999934	Report Generated	8/5/2014 at 2:29:28 PM
Convergence at slot	0.25° East	Database/Source file	WellArchitectDB/No.432H_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	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W
Facility Reference Pt			646782.60	436251.40	32°11'54.535"N	103°51'31.717"W
Field Reference Pt			675156.40	424489.10	32°09'56.776"N	103°46'02.231"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No.432H SHL (KB) to Facility Vertical Datum	19.00ft
Horizontal Reference Pt	Slot	Rig on No.432H SHL (KB) to Mean Sea Level	3421.00ft
Vertical Reference Pt	Rig on No.432H SHL (KB)	Rig on No.432H SHL (KB) to Mud Line at Slot (No.432H SHL)	19.00ft
MD Reference Pt	Rig on No.432H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	316.16°



Planned Wellpath Report

B-1

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BOPCO, L.P.

REFERENCE WELLPATH IDENTIFICATION			
Operator	WTD - West Texas Division	Slot	No.432H SHL
Area	Eddy County, NM	Well	No.432H
Field	Poker Lake Unit	Wellbore	No.432H PWB
Facility	PLU No.432H		

WELLPATH DATA (173 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	316.158	0.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
19.00-	0.000	316.158	19.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	Tie On
119.00†	0.000	316.158	119.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
219.00†	0.000	316.158	219.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
319.00†	0.000	316.158	319.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
419.00†	0.000	316.158	419.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
519.00†	0.000	316.158	519.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
619.00†	0.000	316.158	619.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
719.00†	0.000	316.158	719.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
819.00†	0.000	316.158	819.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
919.00†	0.000	316.158	919.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1019.00†	0.000	316.158	1019.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1119.00†	0.000	316.158	1119.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1219.00†	0.000	316.158	1219.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1319.00†	0.000	316.158	1319.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1419.00†	0.000	316.158	1419.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1519.00†	0.000	316.158	1519.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1619.00†	0.000	316.158	1619.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1719.00†	0.000	316.158	1719.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1819.00†	0.000	316.158	1819.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
1919.00†	0.000	316.158	1919.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2019.00†	0.000	316.158	2019.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2119.00†	0.000	316.158	2119.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2219.00†	0.000	316.158	2219.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2319.00†	0.000	316.158	2319.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2419.00†	0.000	316.158	2419.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2519.00†	0.000	316.158	2519.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2619.00†	0.000	316.158	2619.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2719.00†	0.000	316.158	2719.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2819.00†	0.000	316.158	2819.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
2919.00†	0.000	316.158	2919.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3019.00†	0.000	316.158	3019.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3119.00†	0.000	316.158	3119.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3219.00†	0.000	316.158	3219.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3319.00†	0.000	316.158	3319.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3419.00†	0.000	316.158	3419.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3519.00†	0.000	316.158	3519.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3619.00†	0.000	316.158	3619.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3719.00†	0.000	316.158	3719.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3819.00†	0.000	316.158	3819.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
3919.00†	0.000	316.158	3919.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4019.00†	0.000	316.158	4019.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4119.00†	0.000	316.158	4119.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4219.00†	0.000	316.158	4219.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4319.00†	0.000	316.158	4319.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	



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BOPCO, L.P.

REFERENCE WELLPATH IDENTIFICATION			
Operator	WTD - West Texas Division	Slot	No.432H SHL
Area	Eddy County, NM	Well	No.432H
Field	Poker Lake Unit	Wellbore	No.432H PWB
Facility	PLU No.432H		

WELLPATH DATA (173 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
4419.00†	0.000	316.158	4419.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4519.00†	0.000	316.158	4519.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4619.00†	0.000	316.158	4619.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4719.00†	0.000	316.158	4719.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4819.00†	0.000	316.158	4819.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
4919.00†	0.000	316.158	4919.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5019.00†	0.000	316.158	5019.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5119.00†	0.000	316.158	5119.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5219.00†	0.000	316.158	5219.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5319.00†	0.000	316.158	5319.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5419.00†	0.000	316.158	5419.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5519.00†	0.000	316.158	5519.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5619.00†	0.000	316.158	5619.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5719.00†	0.000	316.158	5719.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5819.00†	0.000	316.158	5819.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
5919.00†	0.000	316.158	5919.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6019.00†	0.000	316.158	6019.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6119.00†	0.000	316.158	6119.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6219.00†	0.000	316.158	6219.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6319.00†	0.000	316.158	6319.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6419.00†	0.000	316.158	6419.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6519.00†	0.000	316.158	6519.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6619.00†	0.000	316.158	6619.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6719.00†	0.000	316.158	6719.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6819.00†	0.000	316.158	6819.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
6919.00†	0.000	316.158	6919.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
7019.00†	0.000	316.158	7019.00	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	
7104.65	0.000	316.158	7104.65	0.00	0.00	0.00	646782.60	436251.40	32°11'54.535"N	103°51'31.717"W	0.00	Est KOP
7119.00†	1.435	316.158	7119.00	0.18	0.13	-0.12	646782.48	436251.53	32°11'54.536"N	103°51'31.718"W	10.00	
7219.00†	11.435	316.158	7218.24	113.7	8.20	-7.88	646774.72	436259.60	32°11'54.616"N	103°51'31.808"W	10.00	
7319.00†	21.435	316.158	7314.03	39.63	28.58	-27.45	646755.15	436279.98	32°11'54.819"N	103°51'32.035"W	10.00	
7419.00†	31.435	316.158	7403.47	84.09	60.65	-58.25	646724.36	436312.05	32°11'55.137"N	103°51'32.392"W	10.00	
7519.00†	41.435	316.158	7483.82	143.41	103.43	-99.33	646683.27	436354.83	32°11'55.562"N	103°51'32.868"W	10.00	
7619.00†	51.435	316.158	7552.65	215.77	155.63	-149.46	646633.15	436407.02	32°11'56.081"N	103°51'33.448"W	10.00	
7719.00†	61.435	316.158	7607.86	298.99	215.65	-207.11	646575.51	436467.04	32°11'56.678"N	103°51'34.116"W	10.00	
7804.65	70.000	316.158	7643.05	376.99	271.91	-261.13	646521.48	436523.29	32°11'57.237"N	103°51'34.742"W	10.00	70° Curve
7819.00†	70.000	316.158	7647.96	390.48	281.63	-270.47	646512.14	436533.02	32°11'57.333"N	103°51'34.850"W	0.00	
7919.00†	70.000	316.158	7682.16	484.45	349.41	-335.56	646447.06	436600.79	32°11'58.007"N	103°51'35.604"W	0.00	
8004.65	70.000	316.158	7711.46	564.93	407.46	-391.31	646391.31	436658.83	32°11'58.584"N	103°51'36.250"W	0.00	200' Tangent
8019.00†	71.435	316.158	7716.20	578.48	417.23	-400.70	646381.93	436668.60	32°11'58.681"N	103°51'36.359"W	10.00	
8119.00†	81.439	316.158	7739.62	675.57	487.25	-467.95	646314.69	436738.62	32°11'59.377"N	103°51'37.138"W	10.00	
8204.58	90.000	316.158	7746.00	760.83	548.75	-527.01	646255.63	436800.11	32°11'59.988"N	103°51'37.822"W	10.00	EOC
8219.00†	90.288	316.158	7745.96	775.25	559.15	-536.99	646245.64	436810.51	32°12'00.091"N	103°51'37.937"W	2.00	
8235.64	90.621	316.158	7745.83	791.89	571.15	-548.52	646234.12	436822.51	32°12'00.210"N	103°51'38.071"W	2.00	TL
8319.00†	90.621	316.158	7744.93	875.24	631.27	-606.26	646176.39	436882.63	32°12'00.808"N	103°51'38.740"W	0.00	



Planned Wellpath Report

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BOPCO, L.P.

REFERENCE WELLPATH IDENTIFICATION			
Operator	WTD - West Texas Division	Slot	No.432H SHL
Area	Eddy County, NM	Well	No.432H
Field	Poker Lake Unit	Wellbore	No.432H PWB
Facility	PLU No.432H		

WELLPATH DATA (173 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
8419.00†	90.621	316.158	7743.84	975.24	703.39	-675.52	646107.13	436954.74	32°12'01.524"N	103°51'39.542"W	0.00	
8519.00†	90.621	316.158	7742.76	1075.23	775.51	-744.78	646037.87	437026.86	32°12'02.241"N	103°51'40.344"W	0.00	
8619.00†	90.621	316.158	7741.68	1175.22	847.64	-814.04	645968.61	437098.98	32°12'02.958"N	103°51'41.147"W	0.00	
8719.00†	90.621	316.158	7740.59	1275.22	919.76	-883.31	645899.35	437171.09	32°12'03.674"N	103°51'41.949"W	0.00	
8819.00†	90.621	316.158	7739.51	1375.21	991.88	-952.57	645830.10	437243.21	32°12'04.391"N	103°51'42.752"W	0.00	
8919.00†	90.621	316.158	7738.42	1475.21	1064.00	-1021.83	645760.84	437315.33	32°12'05.108"N	103°51'43.554"W	0.00	
9019.00†	90.621	316.158	7737.34	1575.20	1136.12	-1091.09	645691.58	437387.44	32°12'05.824"N	103°51'44.356"W	0.00	
9119.00†	90.621	316.158	7736.25	1675.20	1208.24	-1160.36	645622.32	437459.56	32°12'06.541"N	103°51'45.159"W	0.00	
9219.00†	90.621	316.158	7735.17	1775.19	1280.37	-1229.62	645553.07	437531.68	32°12'07.258"N	103°51'45.961"W	0.00	
9319.00†	90.621	316.158	7734.09	1875.18	1352.49	-1298.88	645483.81	437603.79	32°12'07.974"N	103°51'46.763"W	0.00	
9419.00†	90.621	316.158	7733.00	1975.18	1424.61	-1368.14	645414.55	437675.91	32°12'08.691"N	103°51'47.566"W	0.00	
9519.00†	90.621	316.158	7731.92	2075.17	1496.73	-1437.41	645345.29	437748.03	32°12'09.408"N	103°51'48.368"W	0.00	
9619.00†	90.621	316.158	7730.83	2175.17	1568.85	-1506.67	645276.03	437820.15	32°12'10.124"N	103°51'49.170"W	0.00	
9719.00†	90.621	316.158	7729.75	2275.16	1640.97	-1575.93	645206.78	437892.26	32°12'10.841"N	103°51'49.973"W	0.00	
9819.00†	90.621	316.158	7728.66	2375.15	1713.10	-1645.19	645137.52	437964.38	32°12'11.558"N	103°51'50.775"W	0.00	
9919.00†	90.621	316.158	7727.58	2475.15	1785.22	-1714.46	645068.26	438036.50	32°12'12.274"N	103°51'51.578"W	0.00	
10019.00†	90.621	316.158	7726.50	2575.14	1857.34	-1783.72	644999.00	438108.61	32°12'12.991"N	103°51'52.380"W	0.00	
10119.00†	90.621	316.158	7725.41	2675.14	1929.46	-1852.98	644929.75	438180.73	32°12'13.708"N	103°51'53.182"W	0.00	
10219.00†	90.621	316.158	7724.33	2775.13	2001.58	-1922.24	644860.49	438252.85	32°12'14.424"N	103°51'53.985"W	0.00	
10319.00†	90.621	316.158	7723.24	2875.12	2073.70	-1991.51	644791.23	438324.96	32°12'15.141"N	103°51'54.787"W	0.00	
10419.00†	90.621	316.158	7722.16	2975.12	2145.82	-2060.77	644721.97	438397.08	32°12'15.858"N	103°51'55.590"W	0.00	
10519.00†	90.621	316.158	7721.08	3075.11	2217.95	-2130.03	644652.71	438469.20	32°12'16.574"N	103°51'56.392"W	0.00	
10619.00†	90.621	316.158	7719.99	3175.11	2290.07	-2199.29	644583.46	438541.31	32°12'17.291"N	103°51'57.194"W	0.00	
10719.00†	90.621	316.158	7718.91	3275.10	2362.19	-2268.56	644514.20	438613.43	32°12'18.008"N	103°51'57.997"W	0.00	
10819.00†	90.621	316.158	7717.82	3375.10	2434.31	-2337.82	644444.94	438685.55	32°12'18.724"N	103°51'58.799"W	0.00	
10919.00†	90.621	316.158	7716.74	3475.09	2506.43	-2407.08	644375.68	438757.66	32°12'19.441"N	103°51'59.602"W	0.00	
11019.00†	90.621	316.158	7715.65	3575.08	2578.55	-2476.34	644306.42	438829.78	32°12'20.158"N	103°52'00.404"W	0.00	
11119.00†	90.621	316.158	7714.57	3675.08	2650.68	-2545.61	644237.17	438901.90	32°12'20.874"N	103°52'01.207"W	0.00	
11219.00†	90.621	316.158	7713.49	3775.07	2722.80	-2614.87	644167.91	438974.01	32°12'21.591"N	103°52'02.009"W	0.00	
11319.00†	90.621	316.158	7712.40	3875.07	2794.92	-2684.13	644098.65	439046.13	32°12'22.308"N	103°52'02.812"W	0.00	
11419.00†	90.621	316.158	7711.32	3975.06	2867.04	-2753.39	644029.39	439118.25	32°12'23.024"N	103°52'03.614"W	0.00	
11519.00†	90.621	316.158	7710.23	4075.05	2939.16	-2822.66	643960.14	439190.36	32°12'23.741"N	103°52'04.416"W	0.00	
11619.00†	90.621	316.158	7709.15	4175.05	3011.28	-2891.92	643890.88	439262.48	32°12'24.457"N	103°52'05.219"W	0.00	
11719.00†	90.621	316.158	7708.06	4275.04	3083.41	-2961.18	643821.62	439334.60	32°12'25.174"N	103°52'06.021"W	0.00	
11819.00†	90.621	316.158	7706.98	4375.04	3155.53	-3030.44	643752.36	439406.71	32°12'25.891"N	103°52'06.824"W	0.00	
11919.00†	90.621	316.158	7705.90	4475.03	3227.65	-3099.71	643683.10	439478.83	32°12'26.607"N	103°52'07.626"W	0.00	
12019.00†	90.621	316.158	7704.81	4575.02	3299.77	-3168.97	643613.85	439550.95	32°12'27.324"N	103°52'08.429"W	0.00	
12119.00†	90.621	316.158	7703.73	4675.02	3371.89	-3238.23	643544.59	439623.06	32°12'28.041"N	103°52'09.231"W	0.00	
12219.00†	90.621	316.158	7702.64	4775.01	3444.01	-3307.49	643475.33	439695.18	32°12'28.757"N	103°52'10.034"W	0.00	
12319.00†	90.621	316.158	7701.56	4875.01	3516.14	-3376.76	643406.07	439767.30	32°12'29.474"N	103°52'10.836"W	0.00	
12419.00†	90.621	316.158	7700.48	4975.00	3588.26	-3446.02	643336.82	439839.41	32°12'30.191"N	103°52'11.639"W	0.00	
12519.00†	90.621	316.158	7699.39	5075.00	3660.38	-3515.28	643267.56	439911.53	32°12'30.907"N	103°52'12.441"W	0.00	
12619.00†	90.621	316.158	7698.31	5174.99	3732.50	-3584.54	643198.30	439983.65	32°12'31.624"N	103°52'13.244"W	0.00	
12719.00†	90.621	316.158	7697.22	5274.98	3804.62	-3653.81	643129.04	440055.76	32°12'32.340"N	103°52'14.046"W	0.00	
12819.00†	90.621	316.158	7696.14	5374.98	3876.74	-3723.07	643059.78	440127.88	32°12'33.057"N	103°52'14.849"W	0.00	



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BOPCO, L.P.

REFERENCE WELLPATH IDENTIFICATION			
Operator	WTD - West Texas Division	Slot	No.432H SHL
Area	Eddy County, NM	Well	No.432H
Field	Poker Lake Unit	Wellbore	No.432H PWB
Facility	PLU No.432H		

WELLPATH DATA (173 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
12919.00†	90.621	316.158	7695.05	5474.97	3948.86	-3792.33	642990.53	440200.00	32°12'33.774"N	103°52'15.651"W	0.00	
13019.00†	90.621	316.158	7693.97	5574.97	4020.99	-3861.59	642921.27	440272.11	32°12'34.490"N	103°52'16.454"W	0.00	
13119.00†	90.621	316.158	7692.89	5674.96	4093.11	-3930.86	642852.01	440344.23	32°12'35.207"N	103°52'17.256"W	0.00	
13219.00†	90.621	316.158	7691.80	5774.95	4165.23	-4000.12	642782.75	440416.35	32°12'35.924"N	103°52'18.059"W	0.00	
13319.00†	90.621	316.158	7690.72	5874.95	4237.35	-4069.38	642713.50	440488.46	32°12'36.640"N	103°52'18.861"W	0.00	
13419.00†	90.621	316.158	7689.63	5974.94	4309.47	-4138.65	642644.24	440560.58	32°12'37.357"N	103°52'19.664"W	0.00	
13519.00†	90.621	316.158	7688.55	6074.94	4381.59	-4207.91	642574.98	440632.70	32°12'38.073"N	103°52'20.466"W	0.00	
13619.00†	90.621	316.158	7687.46	6174.93	4453.72	-4277.17	642505.72	440704.81	32°12'38.790"N	103°52'21.269"W	0.00	
13719.00†	90.621	316.158	7686.38	6274.92	4525.84	-4346.43	642436.46	440776.93	32°12'39.507"N	103°52'22.071"W	0.00	
13819.00†	90.621	316.158	7685.30	6374.92	4597.96	-4415.70	642367.21	440849.05	32°12'40.223"N	103°52'22.874"W	0.00	
13919.00†	90.621	316.158	7684.21	6474.91	4670.08	-4484.96	642297.95	440921.16	32°12'40.940"N	103°52'23.676"W	0.00	
14019.00†	90.621	316.158	7683.13	6574.91	4742.20	-4554.22	642228.69	440993.28	32°12'41.656"N	103°52'24.479"W	0.00	
14119.00†	90.621	316.158	7682.04	6674.90	4814.32	-4623.48	642159.43	441065.40	32°12'42.373"N	103°52'25.281"W	0.00	
14219.00†	90.621	316.158	7680.96	6774.90	4886.45	-4692.75	642090.17	441137.51	32°12'43.090"N	103°52'26.084"W	0.00	
14319.00†	90.621	316.158	7679.88	6874.89	4958.57	-4762.01	642020.92	441209.63	32°12'43.806"N	103°52'26.886"W	0.00	
14419.00†	90.621	316.158	7678.79	6974.88	5030.69	-4831.27	641951.66	441281.75	32°12'44.523"N	103°52'27.689"W	0.00	
14519.00†	90.621	316.158	7677.71	7074.88	5102.81	-4900.53	641882.40	441353.86	32°12'45.239"N	103°52'28.491"W	0.00	
14619.00†	90.621	316.158	7676.62	7174.87	5174.93	-4969.80	641813.14	441425.98	32°12'45.956"N	103°52'29.294"W	0.00	
14719.00†	90.621	316.158	7675.54	7274.87	5247.05	-5039.06	641743.89	441498.10	32°12'46.673"N	103°52'30.097"W	0.00	
14819.00†	90.621	316.158	7674.45	7374.86	5319.17	-5108.32	641674.63	441570.21	32°12'47.389"N	103°52'30.899"W	0.00	
14919.00†	90.621	316.158	7673.37	7474.85	5391.30	-5177.58	641605.37	441642.33	32°12'48.106"N	103°52'31.702"W	0.00	
15019.00†	90.621	316.158	7672.29	7574.85	5463.42	-5246.85	641536.11	441714.45	32°12'48.822"N	103°52'32.504"W	0.00	
15119.00†	90.621	316.158	7671.20	7674.84	5535.54	-5316.11	641466.85	441786.56	32°12'49.539"N	103°52'33.307"W	0.00	
15219.00†	90.621	316.158	7670.12	7774.84	5607.66	-5385.37	641397.60	441858.68	32°12'50.256"N	103°52'34.109"W	0.00	
15319.00†	90.621	316.158	7669.03	7874.83	5679.78	-5454.63	641328.34	441930.80	32°12'50.972"N	103°52'34.912"W	0.00	
15419.00†	90.621	316.158	7667.95	7974.82	5751.90	-5523.90	641259.08	442002.91	32°12'51.689"N	103°52'35.715"W	0.00	
15519.00†	90.621	316.158	7666.86	8074.82	5824.03	-5593.16	641189.82	442075.03	32°12'52.405"N	103°52'36.517"W	0.00	
15619.00†	90.621	316.158	7665.78	8174.81	5896.15	-5662.42	641120.57	442147.15	32°12'53.122"N	103°52'37.320"W	0.00	
15719.00†	90.621	316.158	7664.70	8274.81	5968.27	-5731.68	641051.31	442219.26	32°12'53.838"N	103°52'38.122"W	0.00	
15819.00†	90.621	316.158	7663.61	8374.80	6040.39	-5800.95	640982.05	442291.38	32°12'54.555"N	103°52'38.925"W	0.00	
15919.00†	90.621	316.158	7662.53	8474.80	6112.51	-5870.21	640912.79	442363.50	32°12'55.272"N	103°52'39.728"W	0.00	
16019.00†	90.621	316.158	7661.44	8574.79	6184.63	-5939.47	640843.53	442435.61	32°12'55.988"N	103°52'40.530"W	0.00	
16119.00†	90.621	316.158	7660.36	8674.78	6256.76	-6008.73	640774.28	442507.73	32°12'56.705"N	103°52'41.333"W	0.00	
16219.00†	90.621	316.158	7659.28	8774.78	6328.88	-6078.00	640705.02	442579.85	32°12'57.421"N	103°52'42.135"W	0.00	
16319.00†	90.621	316.158	7658.19	8874.77	6401.00	-6147.26	640635.76	442651.96	32°12'58.138"N	103°52'42.938"W	0.00	
16419.00†	90.621	316.158	7657.11	8974.77	6473.12	-6216.52	640566.50	442724.08	32°12'58.855"N	103°52'43.741"W	0.00	
16519.00†	90.621	316.158	7656.02	9074.76	6545.24	-6285.78	640497.24	442796.20	32°12'59.571"N	103°52'44.543"W	0.00	
16521.09	90.621	316.158	7656.00	9076.85	6546.75	-6287.23	640495.80	442797.70	32°12'59.586"N	103°52'44.560"W	0.00	No.432H PBHL



Planned Wellpath Report

B-1

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BOPCO, L.P.

REFERENCE WELLPATH IDENTIFICATION			
Operator	WTD - West Texas Division	Slot	No.432H SHL
Area	Eddy County, NM	Well	No.432H
Field	Poker Lake Unit	Wellbore	No.432H PWB
Facility	PLU No.432H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) PLU No.432H	16521.09	7656.00	6546.75	-6287.23	640495.80	442797.70	32°12'59.586"N	103°52'44.560"W	point

SURVEY PROGRAM - Ref Wellbore: No.432H PWB Ref Wellpath: B-1				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
19.00	500.00	Generic gyro - northseeking (Standard)		No.432H PWB
500.00	16521.09	ISCWSA MWD, Rev. 2 (Standard)		No.432H PWB