

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

WELL API NO. 30-015-40661	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name PLU Big Sinks 2-25-30 State	
8. Well Number 2H	
9. OGRID Number	
10. Pool name or Wildcat Avalon	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
BOPCO L.P.

3. Address of Operator
P.O. Box 2760, Midland, Tx 79702

4. Well Location
Unit Letter P : 75 feet from the South line and 220 feet from the East line
Section 2 Township 25S Range R30E NMPM County Eddy

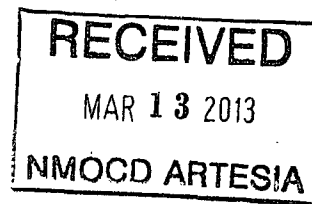
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,353' (GR)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BOPCO L.P. Respectfully requests to side track the PLU Big Sinks 2-25-30 State #2H, due to a bit being left in the hole. A cement plug will be set at a depth of 7,080'. Cement will then be pumped from 7,080' to 6,580'. We will then kick off the top of the cement and drill the lateral. Directional plan is attached.



Spud Date: 2-21-2013

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Charles Warner TITLE Division Drilling Engineer DATE 3-12-13

Type or print name For State Use Only E-mail address: CTWarne@basspet.com PHONE: 432-683-2277

APPROVED BY: T.C. Sharma TITLE Pool/gist DATE 3/13/2013
Conditions of Approval (if any):

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 16, 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 30-015-40661	Pool Code	Pool Name Avalon
Property Code 310001	Property Name PLU BIG SINKS 2-25-30 STATE	Well Number 2H
GRID No.	Operator Name BOPCO, L.P.	Elevation 3353'

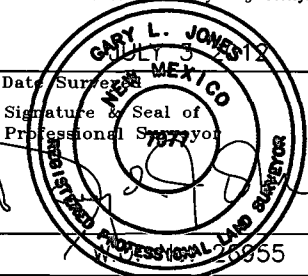
Surface Location

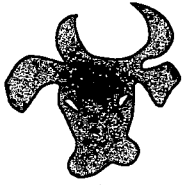
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	25 S	30 E		75	SOUTH	220	EAST	EDDY

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
LOT 1	2	25 S	30 E		65	NORTH	220	EAST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

LOT 4	LOT 3	LOT 2	LOT 1
<u>PROPOSED BOTTOM HOLE LOCATION</u> Lat - N 32°10'00.55" Long - W 103°50'35.25" NMSPC- N 424754.9 E 651686.7 (NAD-27)			220'
<u>SURFACE LOCATION</u> Lat - N 32°09'09.02" Long - W 103°50'35.69" NMSPC- N 419548.75 E 651672.72 (NAD-27)			75'
PROJECT AREA PRODUCING AREA			
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. <u>Jeremy Braden</u> 3-12-13 Signature Date Jeremy Braden Printed Name jbraden@basspet.com 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. Date Surveyed Signature & Seal of Professional Surveyor  Certificate No. Gary L. Jones 7977 BASIN SURVEYS 26955			



Bopco L P

Eddy County, NM (NAD27 NME)

PLU Big Sinks 2-25-30 State

#2H

Wellbore #2 / Job #1310002

Plan: Plan #7ST1 03-12-13

Standard Planning Report

12 March, 2013



PHOENIX
TECHNOLOGY SERVICES



Phoenix Technology Services

Planning Report



Database:	GCR DB	Local Co-ordinate Reference:	Well #2H
Company:	Bopco L.P.	TVD Reference:	KB @ 3373.00usft (Latshaw 14)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3373.00usft (Latshaw 14)
Site:	PLU Big Sinks 2-25-30 State	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2 / Job #1310002		
Design:	Plan #7ST1 03-12-13		

Project:	Eddy County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	PLU Big Sinks 2-25-30 State		
Site Position:		Northing:	397,909.00 usft
From:	Map	Easting:	636,627.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 35.518179 N
		Longitude:	103° 53' 31.734916 W
		Grid Convergence:	0.23 °

Well:	#2H					
Well Position	+N/-S	21,639.75 usft	Northing:	419,548.75 usft	Latitude:	32° 9' 9.026358 N
	+E/-W	15,045.72 usft	Easting:	651,672.72 usft	Longitude:	103° 50' 35.692107 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	22.00 usft	Ground Level:	3,353.00 usft

Wellbore		Wellbore #2 / Job #1310002				
Magnetics		Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
		IGRF2010_14	03/12/13	7.49	60.03	48,370

Design	Plan #7ST1 03-12-13			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	6,404.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	0.15

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
6,404.00	0.40	197.10	6,403.06	-36.04	0.42	0.00	0.00	0.00	0.00	
6,580.00	0.40	197.10	6,579.06	-37.22	0.06	0.00	0.00	0.00	0.00	
6,689.60	4.00	0.15	6,688.58	-33.76	-0.05	4.00	3.28	148.76	164.57	
8,797.00	4.00	0.15	8,790.84	113.25	0.34	0.00	0.00	0.00	0.00	
9,512.12	89.81	0.15	9,235.00	587.99	1.61	12.00	12.00	0.00	0.00	
14,129.47	89.81	0.15	9,250.00	5,205.30	14.03	0.00	0.00	0.00	0.00	PBHL v2-PLU Big Sin



Phoenix Technology Services

Planning Report



Database:	GCR DB:	Local Co-ordinate Reference:	Well #2H
Company:	Bopco L P	TVD Reference:	KB @ 3373.00usft (Latshaw 14)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3373.00usft (Latshaw 14)
Site:	PLU Big Sinks 2-25-30 State	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2 / Job #1310002		
Design:	Plan #7ST1 03-12-13		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,404.00	0.40	197.10	6,403.06	-36.04	0.42	-36.04	0.00	0.00	0.00
Tie-on									
6,500.00	0.40	197.10	6,499.06	-36.68	0.22	-36.68	0.00	0.00	0.00
6,580.00	0.40	197.10	6,579.06	-37.22	0.06	-37.22	0.00	0.00	0.00
Start DLS 4.00 TFO 164.57									
6,600.00	0.43	347.27	6,599.06	-37.21	0.02	-37.21	4.00	0.14	750.85
6,689.60	4.00	0.15	6,688.58	-33.76	-0.05	-33.76	4.00	3.99	14.37
Start 2107.40 hold at 6689.60 MD									
6,700.00	4.00	0.15	6,698.95	-33.03	-0.04	-33.03	0.00	0.00	0.00
6,800.00	4.00	0.15	6,798.71	-26.06	-0.03	-26.06	0.00	0.00	0.00
6,900.00	4.00	0.15	6,898.46	-19.08	-0.01	-19.08	0.00	0.00	0.00
7,000.00	4.00	0.15	6,998.22	-12.11	0.01	-12.11	0.00	0.00	0.00
7,100.00	4.00	0.15	7,097.98	-5.13	0.03	-5.13	0.00	0.00	0.00
7,200.00	4.00	0.15	7,197.73	1.84	0.05	1.84	0.00	0.00	0.00
7,300.00	4.00	0.15	7,297.49	8.82	0.07	8.82	0.00	0.00	0.00
7,400.00	4.00	0.15	7,397.25	15.80	0.08	15.80	0.00	0.00	0.00
7,500.00	4.00	0.15	7,497.00	22.77	0.10	22.77	0.00	0.00	0.00
7,600.00	4.00	0.15	7,596.76	29.75	0.12	29.75	0.00	0.00	0.00
7,700.00	4.00	0.15	7,696.52	36.72	0.14	36.72	0.00	0.00	0.00
7,800.00	4.00	0.15	7,796.27	43.70	0.16	43.70	0.00	0.00	0.00
7,882.08	4.00	0.15	7,878.16	49.42	0.17	49.42	0.00	0.00	0.00
Bone Spring									
7,900.00	4.00	0.15	7,896.03	50.67	0.18	50.67	0.00	0.00	0.00
8,000.00	4.00	0.15	7,995.78	57.65	0.19	57.65	0.00	0.00	0.00
8,089.63	4.00	0.15	8,085.20	63.90	0.21	63.90	0.00	0.00	0.00
Upper Avalon									
8,100.00	4.00	0.15	8,095.54	64.63	0.21	64.63	0.00	0.00	0.00
8,200.00	4.00	0.15	8,195.30	71.60	0.23	71.60	0.00	0.00	0.00
8,300.00	4.00	0.15	8,295.05	78.58	0.25	78.58	0.00	0.00	0.00
8,400.00	4.00	0.15	8,394.81	85.55	0.27	85.55	0.00	0.00	0.00
8,475.66	4.00	0.15	8,470.28	90.83	0.28	90.83	0.00	0.00	0.00
Lower Avalon									
8,500.00	4.00	0.15	8,494.57	92.53	0.29	92.53	0.00	0.00	0.00
8,600.00	4.00	0.15	8,594.32	99.50	0.30	99.50	0.00	0.00	0.00
8,700.00	4.00	0.15	8,694.08	106.48	0.32	106.48	0.00	0.00	0.00
8,797.00	4.00	0.15	8,790.84	113.25	0.34	113.25	0.00	0.00	0.00
KOP Start DLS 12.00 TFO 0.00									
8,800.00	4.36	0.15	8,793.84	113.46	0.34	113.46	12.00	12.00	0.01
8,900.00	16.36	0.15	8,892.03	131.41	0.39	131.41	12.00	12.00	0.00
9,000.00	28.36	0.15	8,984.34	169.39	0.49	169.39	12.00	12.00	0.00
9,100.00	40.36	0.15	9,066.74	225.72	0.64	225.72	12.00	12.00	0.00
9,122.80	43.10	0.15	9,083.76	240.90	0.68	240.90	12.00	12.00	0.00
1st Bone Spring Shale									
9,200.00	52.36	0.15	9,135.62	297.96	0.83	297.96	12.00	12.00	0.00
9,300.00	64.36	0.15	9,187.99	382.94	1.06	382.94	12.00	12.00	0.00
9,400.00	76.36	0.15	9,221.54	476.95	1.32	476.95	12.00	12.00	0.00
9,500.00	88.36	0.15	9,234.81	575.88	1.58	575.88	12.00	12.00	0.00
9,512.12	89.81	0.15	9,235.00	587.99	1.61	588.00	12.00	12.00	0.00
LP Start 4617.35 hold at 9512.12 MD									
9,600.00	89.81	0.15	9,235.29	675.88	1.85	675.88	0.00	0.00	0.00
9,700.00	89.81	0.15	9,235.61	775.88	2.12	775.88	0.00	0.00	0.00
9,800.00	89.81	0.15	9,235.93	875.88	2.39	875.88	0.00	0.00	0.00
9,900.00	89.81	0.15	9,236.26	975.88	2.66	975.88	0.00	0.00	0.00



Phoenix Technology Services
Planning Report



Database:	GCR DB	Local Co-ordinate Reference:	Well #2H
Company:	Bopco L.P	TVD Reference:	KB @ 3373.00usft (Latshaw 14)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3373.00usft (Latshaw 14)
Site:	PLU Big Sinks 2-25-30 State	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2 / Job #1310002		
Design:	Plan #7ST.1 03-12-13		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,000.00	89.81	0.15	9,236.58	1,075.87	2.93	1,075.88	0.00	0.00	0.00	
10,100.00	89.81	0.15	9,236.91	1,175.87	3.19	1,175.88	0.00	0.00	0.00	
10,200.00	89.81	0.15	9,237.23	1,275.87	3.46	1,275.88	0.00	0.00	0.00	
10,300.00	89.81	0.15	9,237.56	1,375.87	3.73	1,375.88	0.00	0.00	0.00	
10,400.00	89.81	0.15	9,237.88	1,475.87	4.00	1,475.88	0.00	0.00	0.00	
10,500.00	89.81	0.15	9,238.21	1,575.87	4.27	1,575.88	0.00	0.00	0.00	
10,600.00	89.81	0.15	9,238.53	1,675.87	4.54	1,675.88	0.00	0.00	0.00	
10,700.00	89.81	0.15	9,238.86	1,775.87	4.81	1,775.87	0.00	0.00	0.00	
10,800.00	89.81	0.15	9,239.18	1,875.87	5.08	1,875.87	0.00	0.00	0.00	
10,900.00	89.81	0.15	9,239.51	1,975.87	5.35	1,975.87	0.00	0.00	0.00	
11,000.00	89.81	0.15	9,239.83	2,075.87	5.61	2,075.87	0.00	0.00	0.00	
11,100.00	89.81	0.15	9,240.16	2,175.86	5.88	2,175.87	0.00	0.00	0.00	
11,200.00	89.81	0.15	9,240.48	2,275.86	6.15	2,275.87	0.00	0.00	0.00	
11,300.00	89.81	0.15	9,240.81	2,375.86	6.42	2,375.87	0.00	0.00	0.00	
11,400.00	89.81	0.15	9,241.13	2,475.86	6.69	2,475.87	0.00	0.00	0.00	
11,500.00	89.81	0.15	9,241.46	2,575.86	6.96	2,575.87	0.00	0.00	0.00	
11,600.00	89.81	0.15	9,241.78	2,675.86	7.23	2,675.87	0.00	0.00	0.00	
11,700.00	89.81	0.15	9,242.11	2,775.86	7.50	2,775.87	0.00	0.00	0.00	
11,800.00	89.81	0.15	9,242.43	2,875.86	7.77	2,875.87	0.00	0.00	0.00	
11,900.00	89.81	0.15	9,242.76	2,975.86	8.03	2,975.87	0.00	0.00	0.00	
12,000.00	89.81	0.15	9,243.08	3,075.86	8.30	3,075.87	0.00	0.00	0.00	
12,100.00	89.81	0.15	9,243.41	3,175.86	8.57	3,175.87	0.00	0.00	0.00	
12,200.00	89.81	0.15	9,243.73	3,275.85	8.84	3,275.87	0.00	0.00	0.00	
12,300.00	89.81	0.15	9,244.06	3,375.85	9.11	3,375.87	0.00	0.00	0.00	
12,400.00	89.81	0.15	9,244.38	3,475.85	9.38	3,475.87	0.00	0.00	0.00	
12,500.00	89.81	0.15	9,244.71	3,575.85	9.65	3,575.87	0.00	0.00	0.00	
12,600.00	89.81	0.15	9,245.03	3,675.85	9.92	3,675.86	0.00	0.00	0.00	
12,700.00	89.81	0.15	9,245.36	3,775.85	10.19	3,775.86	0.00	0.00	0.00	
12,800.00	89.81	0.15	9,245.68	3,875.85	10.46	3,875.86	0.00	0.00	0.00	
12,900.00	89.81	0.15	9,246.01	3,975.85	10.72	3,975.86	0.00	0.00	0.00	
13,000.00	89.81	0.15	9,246.33	4,075.85	10.99	4,075.86	0.00	0.00	0.00	
13,100.00	89.81	0.15	9,246.66	4,175.85	11.26	4,175.86	0.00	0.00	0.00	
13,200.00	89.81	0.15	9,246.98	4,275.85	11.53	4,275.86	0.00	0.00	0.00	
13,300.00	89.81	0.15	9,247.31	4,375.85	11.80	4,375.86	0.00	0.00	0.00	
13,400.00	89.81	0.15	9,247.63	4,475.84	12.07	4,475.86	0.00	0.00	0.00	
13,500.00	89.81	0.15	9,247.96	4,575.84	12.34	4,575.86	0.00	0.00	0.00	
13,600.00	89.81	0.15	9,248.28	4,675.84	12.61	4,675.86	0.00	0.00	0.00	
13,700.00	89.81	0.15	9,248.60	4,775.84	12.88	4,775.86	0.00	0.00	0.00	
13,800.00	89.81	0.15	9,248.93	4,875.84	13.14	4,875.86	0.00	0.00	0.00	
13,900.00	89.81	0.15	9,249.25	4,975.84	13.41	4,975.86	0.00	0.00	0.00	
14,000.00	89.81	0.15	9,249.58	5,075.84	13.68	5,075.86	0.00	0.00	0.00	
14,100.00	89.81	0.15	9,249.90	5,175.84	13.95	5,175.86	0.00	0.00	0.00	
14,129.47	89.81	0.15	9,250.00	5,205.30	14.03	5,205.32	0.00	0.00	0.00	
TD at 14129.47 - PBHL v2-PLU Big Sinks 2-25-30 #2H										



Phoenix Technology Services
Planning Report



Database:	GCR DB	Local Co-ordinate Reference:	Well #2H
Company:	Bopco L P	TVD Reference:	KB @ 3373.00usft (Latshaw 14)
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Site:	PLU Big Sinks 2-25-30 State	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2 / Job #1310002		
Design:	Plan #7ST1 03-12-13		

Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
									Latitude Longitude
PBHL v2-PLU Big Sinks		0.00	0.01	9,250.00	5,205.30	14.03	424,754.05	651,686.75	32° 10' 0.538049 N 103° 50' 35.253166 W
- plan hits target center									
- Point									

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
7,882.08	7,878.16	Bone Spring		0.18	356.20
8,089.63	8,085.20	Upper Avalon		0.18	356.20
8,475.66	8,470.28	Lower Avalon		0.18	356.20
9,122.80	9,083.76	1st Bone Spring Shale		0.18	356.20

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S	+E/-W		
(usft)	(usft)	(usft)	(usft)		
6,404.00	6,403.06	-36.04	0.42	Tie-on	
6,580.00	6,579.06	-37.22	0.06	Start DLS 4.00 TFO 164.57	
6,689.60	6,688.58	-33.76	-0.05	Start 2107.40 hold at 6689.60 MD	
8,797.00	8,790.84	113.25	0.34	KOP Start DLS 12.00 TFO 0.00	
9,512.12	9,235.00	587.99	1.61	LP Start 4617.35 hold at 9512.12 MD	
14,129.47	9,250.00	5,205.30	14.03	TD at 14129.47	