

District I
1625 N. French Dr., Hobbs, NM 88240
District II

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 & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address BOPCO, L.P. P O Box 2760 Midland, Tx 79702		² OGRID Number 260737
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-39136	⁵ Pool Name Indian Flats (Delaware)	⁶ Pool Code 33735
⁷ Property Code 38104	⁸ Property Name North Indian Flats 24 Federal	⁹ Well Number 14

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
B	24	21S	28E		10'	North	2230	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date 09/28/2011	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
16696	OXY USA Inc. P O Box 4294 Houston TX 77210-4294	O
	Lease Use	G
	"CURRENTLY TESTING WELL"	

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
07/05/2011	09/28/2011	3,200'	3,200'	2,970 - 2,980'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	8 5/8 J55	414	270 sxs		
7 7/8"	5 1/2 J55	3,195	645 sxs		
	2 7/8 J55 8RD	3,051			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Sandra J. Belt</i>			OIL CONSERVATION DIVISION		
Printed name: Sandra J. Belt ext. 7379			Approved by: <i>T. C. Shepard</i>		
Title: Sr. Regulatory Clerk			Title: <i>Geologist</i>		
E-mail Address: sjbelt@basspet.com			Approval Date: <i>2/9/2012</i>		
Date: 02/03/2012		Phone: (432)683-2277			

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

RECEIVED

FEB 07 2012

Form C-102
Revised July 18, 2010

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-39136	Pool Code 33735	Pool Name Indian Flats (Delaware)
Property Code 38104	Property Name NORTH INDIAN FLATS "24" FEDERAL	Well Number 148
OGRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3275'

Surface Location

UL or lot No. B	Section 24	Township 21 S	Range 28 E	Lot Idn	Feet from the 10	North/South line NORTH	Feet from the 2230	East/West line EAST	County EDDY
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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
Dedicated Acres 40	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

SURFACE LOCATION Lat - N 32°28'22.31" Long - W 104°02'17.23" NMSPE- N 535867.156 E 591041.949 (NAD-27)	10'		2230'
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. Sandra J. Belt 2-2-12 Signature Date Sandra J. Belt Printed Name sjbelt@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. JANUARY 26, 2012 Date Surveyed GARY L. JONES Signature & Seal of Professional Surveyor W.C. No. 23959 Certificate No. Gary L. Jones 7977 BASIN SURVEYS 23959			



Actual Wellpath Report

No. 14H AWP

Page 1 of 3



REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP.	Slot	No. 14H SHL
Area	Eddy County, NM	Well	No. 14H
Field	(North Indian) Sec 24, T21S, R28E, NAD27	Wellbore	No. 14H AWP
Facility	North Indian Flats 24 Fed No. 14H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	Well Architect® 3.0.0
North Reference	Grid	User	Gentry
Scale	0.999919	Report Generated	7/11/2011 at 7:04:03 AM
Convergence at slot	0.16° East	Database/Source file	WA Midland/No. 14H AWP.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	591041.95	535867.16	32°28'22.312"N	104°02'17.232"W
Facility Reference Pt			591041.95	535867.16	32°28'22.312"N	104°02'17.232"W
Field Reference Pt			591041.95	535867.16	32°28'22.312"N	104°02'17.232"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 14H (KB) to Facility Vertical Datum	13.00ft
Horizontal Reference Pt	Slot	Rig on No. 14H (KB) to Mean Sea Level	3288.00ft
Vertical Reference Pt	Rig on No. 14H (KB)	Rig on No. 14H (KB) to Mid Line at Slot (No. 14H SHL)	13.00ft
MD Reference Pt	Rig on No. 14H (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.05°



Actual Wellpath Report

No.14HAWP

Page 2 of 3



REFERENCE WELL PATH INDICATION			
Operator	BOPCO, L.P.	Slot	No.14HSHL
Area	Eddy County, NM	Well	No.14H
Field	(North Indian) Sec 24, T21S, R28E, NAD27	Wellbore	No.14HAWB
Facility	North Indian Flats 24 Fed No.14H		

WELL PATH DATA (33 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]
0.00	0.00	88.000	0.00	0.00	0.00	0.00	591041.95	535867.16	32°28'22.312"N	104°02'17.232"W	0.00
13.00	0.00	88.000	13.00	0.00	0.00	0.00	591041.95	535867.16	32°28'22.312"N	104°02'17.232"W	0.00
448.00	0.700	88.000	447.99	-0.10	0.09	2.66	591044.61	535867.25	32°28'22.313"N	104°02'17.201"W	0.16
506.00	0.800	96.600	505.98	-0.06	0.06	3.41	591045.36	535867.22	32°28'22.312"N	104°02'17.192"W	0.26
598.00	0.900	85.300	597.97	-0.05	0.04	4.77	591046.72	535867.20	32°28'22.312"N	104°02'17.177"W	0.21
690.00	0.900	75.100	689.96	-0.29	0.29	6.19	591048.14	535867.45	32°28'22.314"N	104°02'17.160"W	0.17
783.00	1.300	68.900	782.95	-0.86	0.86	7.88	591049.83	535868.02	32°28'22.320"N	104°02'17.140"W	0.45
878.00	1.100	48.700	877.93	-1.85	1.85	9.57	591051.52	535869.01	32°28'22.330"N	104°02'17.121"W	0.49
972.00	1.900	47.800	971.89	-3.50	3.49	11.40	591053.35	535870.65	32°28'22.346"N	104°02'17.099"W	0.85
1066.00	1.100	37.100	1066.86	-5.27	5.26	13.10	591055.05	535872.41	32°28'22.363"N	104°02'17.079"W	0.90
1160.00	1.100	59.200	1159.84	-6.45	6.44	14.42	591056.37	535873.60	32°28'22.375"N	104°02'17.064"W	0.45
1255.00	0.900	53.600	1254.83	-7.36	7.35	15.80	591057.75	535874.51	32°28'22.384"N	104°02'17.048"W	0.23
1349.00	1.400	56.600	1348.81	-8.43	8.42	17.36	591059.30	535875.58	32°28'22.394"N	104°02'17.029"W	0.54
1444.00	1.100	66.400	1443.79	-9.44	9.42	19.16	591061.11	535876.58	32°28'22.404"N	104°02'17.008"W	0.39
1539.00	1.400	114.000	1538.77	-9.33	9.31	21.06	591063.00	535876.47	32°28'22.403"N	104°02'16.986"W	1.10
1633.00	1.500	123.700	1632.74	-8.18	8.16	23.13	591065.08	535875.32	32°28'22.392"N	104°02'16.962"W	0.28
1728.00	1.600	153.400	1727.70	-6.31	6.29	24.76	591066.71	535873.45	32°28'22.373"N	104°02'16.943"W	0.84
1824.00	0.700	145.100	1823.68	-4.63	4.61	25.69	591067.64	535871.77	32°28'22.357"N	104°02'16.932"W	0.95
1919.00	0.500	115.700	1918.68	-3.98	3.95	26.40	591068.35	535871.11	32°28'22.350"N	104°02'16.924"W	0.38
2012.00	0.500	42.300	2011.67	-4.10	4.08	27.04	591068.98	535871.24	32°28'22.351"N	104°02'16.917"W	0.64
2105.00	0.800	359.800	2104.67	-5.05	5.03	27.31	591069.26	535872.19	32°28'22.361"N	104°02'16.913"W	0.59
2200.00	1.000	30.800	2199.66	-6.43	6.40	27.73	591069.68	535873.56	32°28'22.374"N	104°02'16.908"W	0.55
2295.00	1.300	354.800	2294.64	-8.21	8.19	28.06	591070.00	535875.35	32°28'22.392"N	104°02'16.905"W	0.81
2390.00	1.300	328.300	2389.62	-10.20	10.18	27.39	591069.34	535877.34	32°28'22.412"N	104°02'16.912"W	0.63
2484.00	0.600	252.800	2483.61	-10.96	10.94	26.36	591068.31	535878.10	32°28'22.419"N	104°02'16.924"W	1.37
2577.00	0.700	261.600	2576.60	-10.73	10.71	25.34	591067.28	535877.87	32°28'22.417"N	104°02'16.936"W	0.15
2672.00	0.800	246.700	2671.59	-10.39	10.36	24.15	591066.10	535877.52	32°28'22.414"N	104°02'16.950"W	0.23
2767.00	0.600	203.800	2766.58	-9.67	9.65	23.34	591065.29	535876.81	32°28'22.406"N	104°02'16.960"W	0.57
2862.00	0.600	176.500	2861.58	-8.72	8.70	23.17	591065.12	535875.86	32°28'22.397"N	104°02'16.962"W	0.30
2957.00	0.700	179.100	2956.57	-7.64	7.62	23.21	591065.16	535874.78	32°28'22.386"N	104°02'16.961"W	0.11
3050.00	0.700	184.300	3049.57	-6.50	6.48	23.18	591065.13	535873.64	32°28'22.375"N	104°02'16.962"W	0.07
3143.00	0.600	189.100	3142.56	-5.46	5.44	23.06	591065.01	535872.60	32°28'22.365"N	104°02'16.963"W	0.12
3200.00	0.600	189.100	3199.56	-4.87	4.85	22.96	591064.91	535872.01	32°28'22.359"N	104°02'16.964"W	0.00



Actual Wellpath Report

No.14HAWP

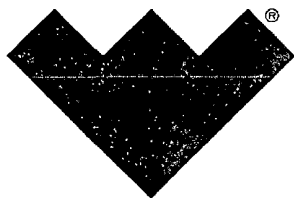
Page 3 of 3



REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP.	Slot	No.14HSHL
Area	Eddy County, NM	Well	No.14H
Field	(North Indian) Sec 24, T21S, R28E, NAD27	Wellbore	No.14HAWB
Facility	North Indian Flats 24 Fed No.14H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.14HPBHL		2910.00	-800.01	-0.70	591041.25	535067.22	32°28'14.396"N	104°02'17.266"W	point

WELLPATH COMPOSITION - Ref Wellbore: No.14HAWB					Ref Wellpath: No.14HAWP	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model			Log Name/Comment	Wellbore
13.00	3200.00	NaviTrak (Standard)			MWD (Vertical Hole)	No.14HAWB



SECTOR BOND
GAMMA RAY COLLAR LOG

COMPANY BOPCO, L.P. WELL NORTH INDIAN FLATS 24 FEDERAL #14H FIELD INDIAN FLATS (DLW) CNTY EDDY STATE NM	COMPANY BOPCO, L.P.								
	WELL NORTH INDIAN FLATS 24 FEDERAL #14H								
	FIELD INDIAN FLATS W (DELAWARE)								
	COUNTY EDDY	STATE NEW MEX							
	LOCATION: 10' FNL & 2230' FEL	OTHER SERVICES: NONE							
	SEC. 24 TWP. 21S RGE 28E								
PERM. DATUM GROUND LEVEL ELEV. 3275.4		ELEV.: K.B. 3289.3							
LOG MEASURED FROM 13.9 FT. ABOVE PERMANENT DATUM		D.F. 3288.1							
DRILLING MEASURED FROM KELLEY BUSHING		G.L. 3275.4							
DATE	SEP. 20. 2011	API:							
RUN NO.	1	30-015-39136							
DEPTH DRILLER	3200								
DEPTH LOGGER	3202								
BTM. LOG INTERVAL	3201								
TOP LOG INTERVAL	SURF								
OPEN HOLE SIZE	7.875								
TYPE FLUID	WATER								
DENS. VISC.	* *								
MAX. REC. TEMP. °F	94 (OH LOG)								
EST. CEMENT TOP	*								
TIME WELL READY	ROA								
TIME LOGGER ON BTM.	SEE LOG								
EQUIP. NO.	14248								
LOCATION	ODESSA, TX.								
RECORDED BY	ESQUIBEL								
WITNESSED BY	M TITSWORTH								
BOREHOLE RECORD				TUBING RECORD					
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO		
	7.875	.415	3200						
CASING RECORD				SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING				8.625				0	415
PROD. STRING				5.5	17			0	3200
LINER									

All interpretations of log data are opinions based on inferences from electrical or other

COMPANY: BOPCO, L.P.

WELL: North Indian Flats 24 Federal #14H

FIELD: Indian Flats W. (Delaware)

County: Eddy State: New Mexico

County: Eddy Field: Indian Flats W. (Delaware) Location: 10' FNL & 2230' FEL Well: North Indian Flats 24 Federal #14H Company: BOPCO, L.P.	LOCATION		10' FNL & 2230' FEL		Elev.: K.B. 3289.3 ft			
					G.L. 3275.4 ft			
					D.F. 3288.1 ft			
	Permanent Datum:		Ground Level		Elev.: 3275.4 ft			
Log Measured From:		Kelly Bushing		13.9 ft above Perm. Datum				
Drilling Measured From:		Kelly Bushing						
API Serial No. 30-015-39136		Section 24		Township 21S		Range 28E		
MUD	Logging Date		10-Jul-2011					
	Run Number		One					
	Depth Driller		3200 ft					
	Schlumberger Depth		3201 ft					
	Bottom Log Interval		3183 ft					
	Top Log Interval		2800 ft					
	Casing Driller Size @ Depth		8.625 in @ 415 ft					
	Casing Schlumberger		417 ft					
	Bit Size		7.875 in					
	Type Fluid In Hole		Brine Water					
	Density	Viscosity	10 lbm/gal	29 s				
	Fluid Loss	PH		10				
	Source Of Sample		Mud Pit					
	RM @ Measured Temperature		0.055 ohm.m @ 75 degF				@	
	RMF @ Measured Temperature		0.055 ohm.m @ 75 degF				@	
RMC @ Measured Temperature		@ -				@		
Source RMF	RMC	Measured						
RM @ MRT	RMF @ MRT	0.044 @ 94	0.044 @ 94	@		@		
Maximum Recorded Temperatures		94 degF						
Circulation Stopped		Time	10-Jul-2011	3:15				
Logger On Bottom		Time	10-Jul-2011	10:15				
Unit Number	Location	2143	Roswell, NM					
Recorded By		Joanna Haag						
Witnessed By		Larry Ludwick						

COMPANY: BOPCO, L.P.

WELL: North Indian Flats 24 Federal #14

FIELD: Indian Flats W. (Delaware)

County: Eddy

State: New Mexico

County: Eddy Field: Indian Flats W. (Delaware) Location: 10' FNL & 2230' FEL Well: North Indian Flats 24 Federal #14 Company: BOPCO, L.P.	LOCATION	Schlumberger				Platform Express Array Induction Tool Micro-CFL / GR			
		10' FNL & 2230' FEL				Elev.: K.B. 3289.3 ft G.L. 3275.4 ft D.F. 3288.1 ft			
		Permanent Datum:		Ground Level		Elev.: 3275.4 ft			
		Log Measured From:		Kelly Bushing		13.9 ft above Perm. Datum			
		Drilling Measured From:		Kelly Bushing					
		API Serial No. 30-015-39136		Section 24		Township 21S		Range 28E	
MUD	Logging Date		10-Jul-2011						
	Run Number		One						
	Depth Driller		3200 ft						
	Schlumberger Depth		3201 ft						
	Bottom Log Interval		3193 ft						
	Top Log Interval		2800 ft						
	Casing Driller Size @ Depth		8.625 in @ 415 ft						
	Casing Schlumberger		417 ft						
	Bit Size		7.875 in						
	Type Fluid In Hole		Brine Water						
	Density	Viscosity	10 lbm/gal	29 s					
	Fluid Loss	PH		10					
	Source Of Sample		Mud Pit						
	RM @ Measured Temperature		0.055 ohm.m @ 75 degF						
	RMF @ Measured Temperature		0.055 ohm.m @ 75 degF						
	RMC @ Measured Temperature		@						
	Source RMF	RMC	Measured						
	RM @ MRT	RMF @ MRT	0.044 @ 94	0.044 @ 94	@		@		
Maximum Recorded Temperatures		94 degF							
Circulation Stopped		Time	10-Jul-2011	3:15					
Logger On Bottom		Time	10-Jul-2011	10:15					
Unit Number	Location		2143	Roswell, NM					
Recorded By		Joanna Haag							
Witnessed By		Larry Ludwick							

COMPANY: BOPCO, L.P.

WELL: North Indian Flats 24 Federal #14H

FIELD: Indian Flats W. (Delaware)

County: Eddy

State: New Mexico

County: Eddy Field: Indian Flats W. (Delaware) Location: 10' FNL & 2230' FEL Well: North Indian Flats 24 Federal #14H Company: BOPCO, L.P.	Schlumberger		Mechanical Sidewall Coring To	
	10' FNL & 2230' FEL		Elev.: K.B. 3289.3 ft G.L. 3275.4 ft D.F. 3288.1 ft	
	Permanent Datum: <u>Ground Level</u>		Elev.: <u>3275.4 ft</u>	
	Log Measured From: <u>Kelly Bushing</u>		13.9 ft above Perm. Datum	
Drilling Measured From: <u>Kelly Bushing</u>				
API Serial No. 30-015-39136		Section 24	Township 21S	Range 28E
Logging Date		10-Jul-2011		
Run Number		Four		
Depth Driller		3200 ft		
Schlumberger Depth		3201 ft		
Bottom Log Interval		3007 ft		
Top Log Interval		2934 ft		
Casing Driller Size @ Depth		8.625 in @ 415 ft		
Casing Schlumberger		417 ft		
Bit Size		7.875 in		
Type Fluid In Hole		Brine Water		
MUD	Density	Viscosity	10 lbm/gal	29 s
	Fluid Loss	PH	10	
	Source Of Sample		Mud Pit	
	RM @ Measured Temperature		0.055 ohm.m @ 75 degF	
RMF @ Measured Temperature		0.055 ohm.m @ 75 degF		
RMC @ Measured Temperature		@		
Source RMF		RMC	Measured	
RM @ MRT		RMF @ MRT	0.044 @ 94	0.044 @ 94
Maximum Recorded Temperatures		94 degF		
Circulation Stopped		Time	10-Jul-2011	3:15
Logger On Bottom		Time	10-Jul-2011	10:15
Unit Number		Location	2143	Roswell, NM
Recorded By		Joanna Haag / Zach Pucci		
Witnessed By		Larry Ludwick		

COMPANY: BOPCO, L.P.

WELL: North Indian Flats 24 Federal #14

FIELD: Indian Flats W. (Delaware)

County: Eddy

State: New Mexico

County: Eddy Field: Indian Flats W. (Delaware) Location: 10' FNL & 2230' FEL Well: North Indian Flats 24 Federal #14 Company: BOPCO, L.P.	LOCATION		Schlumberger				Pressure Xpress		Gamma Ray						
	10' FNL & 2230' FEL		Elev.:		K.B.	3289.3 ft	G.L.		3275.4 ft	D.F.	3288.1 ft				
	Permanent Datum:		Ground Level		Elev.:		3275.4 ft		13.9 ft		above Perm. Datum				
	Log Measured From:		Kelly Bushing		Drilling Measured From:		Kelly Bushing								
API Serial No.		30-015-39136		Section		24		Township		21S		Range		28E	
Logging Date		10-Jul-2011		Run Number		One		Depth Driller		3200 ft		Schlumberger Depth		3201 ft	
Bottom Log Interval		2990 ft		Top Log Interval		2937 ft		Casing Driller Size @ Depth		8.625 in @ 415 ft		Casing Schlumberger		417 ft	
Bit Size		7.875 in		Type Fluid In Hole		Brine Water		Density		Viscosity		10 lbm/gal		29 s	
Fluid Loss		PH		Source Of Sample		Mud Pit		RM @ Measured Temperature		0.055 ohm.m @ 75 degF		RMF @ Measured Temperature		0.055 ohm.m @ 75 degF	
RMC @ Measured Temperature		@		Source RMF		RMC		Measured		RM @ MRT		RMF @ MRT		0.044 @ 94	
Maximum Recorded Temperatures		94 degF		Circulation Stopped		Time		10-Jul-2011		3:15		Logger On Bottom		Time	
Unit Number		Location		2143		Roswell, NM		Recorded By		Joanna Haag		Witnessed By		Larry Ludwick	

COMPANY: BOPCO, L.P.

WELL: North Indian Flats 24 Federal #141

FIELD: Indian Flats W. (Delaware)

County: Eddy

State: New Mexico

County: Eddy Field: Indian Flats W. (Delaware) Location: 10' FNL & 2230' FEL Well: North Indian Flats 24 Federal # Company: BOPCO, L.P.	LOCATION		Schlumberger				Caliper Log		
	10' FNL & 2230' FEL				Elev.: K.B. 3289.3 ft G.L. 3275.4 ft D.F. 3288.1 ft				
	Permanent Datum: <u>Ground Level</u>				Elev.: <u>3275.4 ft</u>				
	Log Measured From: <u>Kelly Bushing</u>				13.9 ft above Perm. Datum				
Drilling Measured From: <u>Kelly Bushing</u>									
API Serial No. 30-015-39136				Section 24		Township 21S		Range 28E	
Logging Date		10-Jul-2011							
Run Number		One							
Depth Driller		3200 ft							
Schlumberger Depth		3201 ft							
Bottom Log Interval		3193 ft							
Top Log Interval		2800 ft							
Casing Driller Size @ Depth		8.625 in @ 415 ft @							
Casing Schlumberger		417 ft							
Bit Size		7.875 in							
Type Fluid In Hole		Brine Water							
MUD	Density	Viscosity	10 lbm/gal		29 s				
	Fluid Loss	PH			10				
	Source Of Sample		Mud Pit						
	RM @ Measured Temperature		0.055 ohm.m @ 75 degF				@		
RMF @ Measured Temperature		0.055 ohm.m @ 75 degF				@			
RMC @ Measured Temperature		@				@			
Source RMF		RMC	Measured						
RM @ MRT		RMF @ MRT	0.044 @ 94		0.044 @ 94		@ @		
Maximum Recorded Temperatures		94 degF							
Circulation Stopped		Time	10-Jul-2011		3:15				
Logger On Bottom		Time	10-Jul-2011		10:15				
Unit Number		Location	2143 Roswell, NM						
Recorded By		Joanna Haag							
Witnessed By		Larry Ludwick							

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
Other: _____2. Name of Operator
BOPCO, L.P.3. Address
P O Box 2760 Midland Tx 797023a. Phone No. (include area code)
(432)683-2277

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface UL B; 24; T21S; 28E; 1' FNL 2230' FEL

At top prod. interval reported below

At total depth UL B; 24; T21S; 28E; 1' FNL 2230' FEL

14. Date Spudded
07/05/201115. Date T.D. Reached
07/13/201116. Date Completed
09/28/2011☐ D & A ☒ Ready to Prod17. Elevations (DF, RKB, RT, GL)*
3,275 GR18. Total Depth: MD 3,200
TVD 3,20019. Plug Back T.D.: MD 3,103
TVD 3,10420. Depth Bridge Plug Set:
MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
PELAMCFL/GR; PEAIMCFL/FR; MSC; CL; PEX-PGR; SBGR22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	8 5/8 J55	32.0	0	414		270 HalC	65	Circulated	
7 7/8	5 1/2 J55	17.0	0	3195		645 EcoHal	191	Circulated	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	3,051							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bell Canyon	2,921	3,017	2,970 - 2,980	0.41	60	Testing
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
2,970 - 2,980'	35.4 tons CO2

Accepted for record

NMOCD 169/2012

RECEIVED

FEB 07 2012

NMOCD ARTESIA

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						Currently Testing Well
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

Lease Use

30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	31. Formation (Log) Markers
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Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas. Depth
				Rustler	@ Surface
				T/Salt	430'
				B/Salt	2336
				T/Delaware Mtn. Group	2776
				T/Bell Canyon	2921

32. Additional remarks (include plugging procedure):
2-7/8" tbg. 6.5 ppf J-55 8RD @ 3,051'; Pumping Unit Cabot TL-160DD-173-86; Serial # TL83007-86; Will file amended completion report when well testing is completed.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Sandra J. Belt ext. 7379 Title Sr. Regulatory Clerk
 Signature Sandra J. Belt Date 02/03/2012

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.

(Continued on page 3)

(Form 3160-4, page 2)