

OCD-ARTESIA

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		<div style="border: 2px solid black; padding: 5px; text-align: center;"> RECEIVED OCT 15 2010 NMOC D-ARTESIA 432-683-2277 </div>
2. Name of Operator BOPCO, L. P.		
3a. Address P. O. Box 2760 Midland, TX 79702	3b. Phone No. (include area code) 432-683-2277	

5. Lease Serial No. LC 067144
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. North Indian Flats 24 Federal #10
9. API Well No. 30-015-38194
10. Field and Pool, or Exploratory Area Indian Flats (Delaware)
11. County or Parish, State Eddy Co., NM

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NESW, UL K, 2180' FSL, 1980' FWL, Lat N32.464516, Long W104.042223, Sec 24, T21S-R28E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

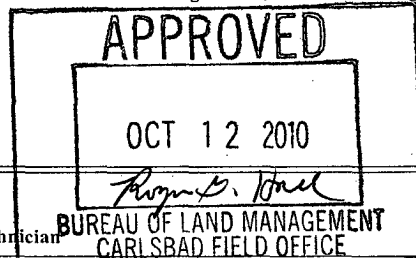
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths 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 request the changes listed below to be approved for the captioned well:

1. BOPCO, L.P. requests a change of plans for the drilling of the above captioned wells. We would like to utilize an armored 4" 3000 psi WP hose for the choke line in the drilling of the well. This is rig equipment and will help quicken nipple up time thus saving money without a safety problem. The hose itself is rated to 10k but has 3k flanges on each end. The choke manifold is as described in attachment. This well is to be drilled to 3400' and max surface pressure should be +/- 748 psi as prescribed in onshore order #2 shown as 0.22 psi/ft. Thus 2000 psi BOPE is all that is needed in this well. The rig does have higher rated BOPE but will be rigged as per described in the 2000 psi rule in Onshore Order 2.

2. Please refer to the attached page from the 8pt drilling program, which now reflects updated geological footages. This revised page, also reflects a change in the setting depth for the 8-5/8" surface casing. The original plan was to set 8-5/8" surface casing at 382', but due to changes in geology the new depth for the 8-5/8" surface casing will be 392'.

COB000050

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Jeremy Braden		Title Engineering Technician
Signature <i>Jeremy Braden</i>		Date 9-27-10
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		

Approved by	Title	Date
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.

(Instructions on page 2)

Accepted for record
NMOC DSD

SM 9/27/10

**EIGHT POINT DRILLING PROGRAM
BOPCO, L.P.**

NAME OF WELL: North Indian Flats 24 Federal #10

LEGAL DESCRIPTION - SURFACE: 2180' FSL & 1980' FWL, Section 24, T21S, R28E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS

(See No. 2 Below)

POINT 2: WATER, OIL, GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3192.2'
GL 3180.2'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Rustler	Surface		Barren
B/Rustler	212'	+ 2,980'	Barren
T/Salt	402'	+ 2,790'	Barren
B/Salt	2,302'	+ 890'	Barren
T/Delaware Mtn Grp	2,671'	+ 521'	Oil/Gas
Clean Carb above R. Sd.	2,786'	+ 406'	Oil/Gas
T/Ramsey "74" Sand	2,812'	+ 380'	Oil/Gas
T/Ramsey "66" Sand	2,834'	+ 358'	Oil/Gas
B/Ramsey "66" Sand	2,899'	+ 293'	Oil/Gas
TD	3,400'	- 208'	Oil/Gas

POINT 3: CASING PROGRAM

<u>TYPE</u>	<u>HOLE SIZE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
14"	20"	0' - 40'	Conductor	Contractor Discretion
8 5/8", 32#, J-55, 8rd STC	12-1/4"	0' - 392'	Surface	New
5-1/2", 15.5#, J-55, 8rd LTC	7-7/8"	0' - 3,400'	Production	New

CASING DESIGN SAFETY FACTORS:

<u>TYPE</u>	<u>TENSION</u>	<u>COLLAPSE</u>	<u>BURST</u>
8 5/8", 32#, J-55, 8rd STC	32.60	11.40	8.45
5-1/2", 15.5#, J-55, 8rd LTC	4.98	2.29	1.28

DESIGN CRITERIA AND CASING LOADING ASSUMPTIONS:

SURFACE CASING

Tension A 1.6 design factor utilizing the effects of buoyancy (9.2 ppg).

Collapse A 1.0 design factor with full internal evacuation and a collapse force equal to the mud gradient in which the casing will be run (0.48 psi/ft). The effects of axial load on collapse will be considered.

**PECOS DISTRICT
CONDITIONS OF APPROVAL**

October 12, 2010

OPERATOR'S NAME:	BOPCO, L.P.
LEASE NO.:	NMLC-067144
WELL NAME & NO.:	North Indian Flats 24 Federal #10
SURFACE HOLE FOOTAGE:	2180' FSL & 1980' FWL
BOTTOM HOLE FOOTAGE	Same
LOCATION:	Section 24, T. 21S., R 28E., NMPM
COUNTY:	Eddy County, New Mexico

A. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

1. The **8-5/8** inch surface casing shall be set at approximately **392** feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
If the salt is encountered the casing must be set 25 feet above the salt.

B. PRESSURE CONTROL

1. Variance approved to use a flex line from the BOP to the choke manifold.
Flex Hose Manufacturer: Midwest Hose and Specialty Inc.
Model : CK-5610-K Armor Length: Approximately 7 feet
Size: 3-1/2 inch 3,000# API Flanges, WP Rating – 10,000#, I.D. 3-1/2 inches,
O.D. 8.0 inches. Serial number 62404
2. Check condition of flexible line from BOP to choke manifold. Replace if exterior is damaged or if line fails test.
3. Line to be as straight as possible with no hard bends.
4. Anchors to be installed if required by manufacturer.

RGH 101210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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 ☐ Other

2. Name of Operator
BOPCO, L. P.

3a. Address
P. O. Box 2760 Midland, TX 79702

3b. Phone No. (include area code)
432-683-2277

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

NESW, UL K, 2180' FSL, 1980' FWL, Lat N32.464516, Long W104.042223, Sec 24, T21S-R28E

5. Lease Serial No.

LC 067144

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

North Indian Flats 24 Federal #10

9. API Well No.

30-015-38196

10. Field and Pool, or Exploratory Area
Indian Flats (Delaware)

11. County or Parish, State

Eddy Co., NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

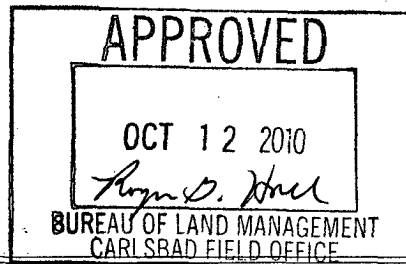
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate 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 recompleation 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 the change to the cement program listed below to be approved for the captioned well:

Surface Cement: 310 sacks of Class C plus additives with the density of 14.80 ppg and yield of 1.35 cu ft/sk from 0-392'. *1.3 per operation*
Production Cement: Tail consists of 270 sacks of Class C plus additives with the density of 14.80 ppg and yield of 1.39 cu ft/sk from 1,796-3,400'.
Lead consists of 250 sacks of Class C 50/50 plus additives with the density of 12.80 ppg and yield of 1.86 cu ft/sk from 0-1,796'.

COB000050



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

Brian Hammit

Title **Drilling Engineer**

Signature

Brian Hammit

Date

10/5/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

(Instructions on page 2)

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. LC 067144
2. Name of Operator BOPCO, L. P.		6. If Indian, Allottee or Tribe Name
3a. Address P. O. Box 2760 Midland, TX 79702	3b. Phone No. (include area code) 432-683-2277	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NESW, UL K, 2180' FSL, 1980' FWL, Lat N32.464516, Long W104.042223, Sec 24, T21S-R28E		8. Well Name and No. North Indian Flats 24 Federal #10
		9. API Well No. 30-015-38196
		10. Field and Pool, or Exploratory Area Indian Flats (Delaware)
		11. County or Parish, State Eddy Co., NM

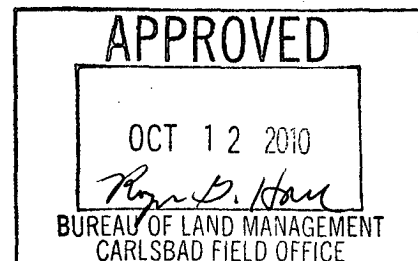
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

BOPCO L.P. respectfully requests to change the 8-5/8", 32#, J-55 surface casing thread from ST&C to LT&C.

COB000050



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Jeremy Braden		Title Engineering Technician
Signature <i>Jeremy Braden</i>		Date 10-6-2010
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by _____	Title _____	Date _____
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.

(Instructions on page 2)

BOP