

Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., 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 ResourcesOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-103
Revised March 25, 1999

WELL API NO.

30-015-01720

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

EMPIRE ABO UNIT "E"

7. Well No.

36

8. Pool name or Wildcat

EMPIRE ABO

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

BP AMERICA

3. Address of Operator

P.O. BOX 1089 EUNICE, N.M. 88231

4. Well Location

Unit Letter A 966.59 feet from the N line and 660' feet from the E lineSection 34 Township 17S Range 28E NMPM EDDY County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

13' RKB

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

TD: 6345' PBD: 6052' PERFS: 5715 - 5843'

MIRU PU POOH W/ RODS AND PUMP ND WH AND NU BOP

RELEASE TAC @ 5960' POH W/ TBG AND TAC

RIH W/ BIT AND CSG SCRAPER AND TAG CIBP @ 6052' POH

RIH W/ WIRE LINE BAILER AND DUMP 15' CMT ON TOP CIBP POH

RIH W/ WIRELINE AND PERFORATE W/ 2 JSP 5956 TO 5960, 5968 TO 5982, 5988 TO 6004

RIH W/ PKR AND 2 3/8" TBG SPOT 43 GAL 15% HCL FORM 6004' TO 5940' PU SET PKR @ 5930'

AND ACIDIZE W/ 1850 GAL. 15% HCL RELEASE PKR AND POH

RIH W/ PRODUCTION TBG AND ANCHOR SWAB TEST AND RIH W/ RODS AND PUMP

RTP

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

SIGNATURE Jim Pierce TITLE Well Specialist DATE 4-3-2003Type or print name Jim Pierce

Telephone No.

(This space for State use)

APPROVED BY Jim W. Green TITLE District Supervisor DATE APR 10 2003

Conditions of approval, if any:

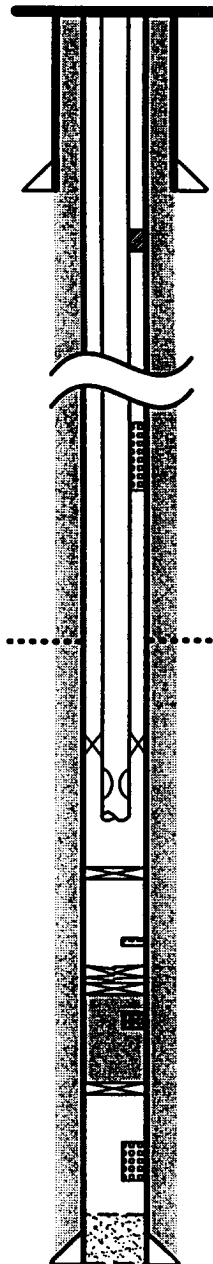
E-36

Workover Procedure

1. MIRU PU
2. POH w/ rods and pump.
3. ND WH. NU BOP.
4. Release TAC @ 5960. POH w/ TBG and TAC.
5. GIH w/ 3 7/8" bit and csg. scraper to 6050. (Note: CIBP @ 6052.) POH.
6. RU. Wire line and dump bailer.
7. GIH and dump 15' of cement on top of CIBP @ 6052'. POH.
8. GIH and perf. w/ 2 JSPF 5956 to 5960, 5968 to 5982 and 5988 to 6004. (from Schlumberger Laterolog-Gamma Ray-Neutron Log dated 07-15-60) POH.
9. GIH w/ Treating PKR and 2 3/8" tbg.
10. Spot 43 gal. 15% HCL NEFE acid from 6004 to 5940.
11. PU set Treating PKR @ 5930'.
12. Acidize perfs. from 6004 to 5956 w/ 1850 gal. 15% HCL NEFE acid, dropping 3 ball sealers every 50 gallons. Displace w/ 23 bbls. 2% KCL wtr.
13. Release PKR. GIH and wipe off balls. POH.
14. RIH w/ Bull Plugged MA, Perf Sub, API SN and 2 3/8" TBG. Land SN @ + or - 5997'.
15. ND BOP. NU WH.
16. Swab for Test
17. RIH w/ rods and pump
18. RD PU
19. RTP

Empire Abo Unit 'E' 36

Potential
Perforation
Zones



- KB at 3685' above sea level (Used as the Datum)
Pumping Well
- Top of Cement at surface
- 8-5/8" - 22.7# casing set at 887' (11' hole)
- Casing Leaks from 956' - 961 Squeezed off
- Perforations 5715' - 5767' (26 holes total)
- Top of Abo at 5880'
- SN set at 5991, AC set at 5960' w/ Mud Anchor
Tubing: 198jts (5977'), 2 3/8", 4.7#, EUE 8rd, J-55
- CIBP set at 6052'
- Perforations 6104 - 6110' Closed off w/ CIBP
- CIBP pushed to top of CR at 6137'
- CR set at 6140'
- Perforations 6160 - 6174' Squeezed off
- CIBP set at 6220'
- Perforations 6258 - 6288' Closed off w/ CIBP
- FBTD at 6314'
- 4-1/2" - 9.5# casing set at 6345' (7 7/8" hole)

Well No.	E-36
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Type of Well

X	Oil
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	Gas
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Well API No.	30-015-01720
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	Other
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Lease Name	Empire Abo Unit "E"
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Type of Lease

X	State
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	Fee
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Well Location	966.59 ft	From North Line	660 ft	From East Line			
Section:	34	Township:	17S	Range:	28E	County:	Eddy

Elevation	3685	ft above sea level (RDB)
Top of Abo	2195	ft below see level
Total Depth	6345	ft
PBTD	6314	ft
KB	13	ft above GL
Datum	KB	(All depths based on KB)

Tubing	
# of Jts	198 (5977')
Size	2 3/8"
Weight	4.7#
Thread	EUE 8rd
Class	J-55

Well Status	
	Flowing well
X	Pumping well
	Shut in

CASINGS					
string #	Hole sz.	Depth	Casing Dmtr.	wght.	
1	11"	887 ft	8 5/8 in	22.7#	
2	7 7/8"	6345 ft	4 1/2 in	9.5#	

OTHER EQUIPMENT (BPs, ETC..)				
Name	Depth	Casing Dmtr.	Notes	
TOC	surface	4 1/2 in		
CIBP	6220 ft	4 1/2 in		
CR	6140 ft	4 1/2 in	w/ cmt beneath	
CIBP	6137 ft	4 1/2 in	knocked to PB	
CIBP	6052 ft	4 1/2 in		
SN	5991 ft	4 1/2 in	w/ Mud Anchor	
AC	5960 ft	4 1/2 in		

Pay Zone				
Top of Abo	5880 ft	to	Bottom of Well	6314 ft
Top of Abo		ft	Reported	

PERFORATIONS					
Start Depth	End Depth	Jet Shots per Foot	Date of Perforation	Comments	
6258 ft	6288 ft	2	7/15/1960	Closed 3/3/88 w/ CIBP	
6160 ft	6174 ft		3/3/1988	Closed 3/4/78 w/ cmt	
6104 ft	6110 ft		3/7/1988	Closed 4/18/91 w/ CIBP	
956 ft	961 ft	Casing Leaks	disc. 10/20/99	Squeezed 10/21/99	
5715 ft	5767 ft	26 holes	10/26/1999		

COMMENTS

This well has been perforated above the top of the Abo. There are no further opportunities to perforate.