

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
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 Resources

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

AUG 22 2008

OCD-ARTESIA

Form C-103  
May 27, 2004

WELL API NO. <b>30-015-22846</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. Lease Name or Unit Agreement Name: <b>EMPIRE ABO UNIT 'G'</b>
2. Name of Operator <b>BP America Production Company</b>	8. Well Number <b>352</b>
3. Address of Operator <b>P.O. Box 1089, Eunice NM 88231</b>	9. OGRID Number <b>00778</b>
4. Well Location  Unit Letter <b>J</b> : <b>2200</b> feet from the <b>S</b> line and <b>1450</b> feet from the <b>E</b> line  Section <b>34</b> Township <b>17S</b> Range <b>28E</b> NMPM County <b>EDDY</b>	10. Pool name or Wildcat <b>EMPIRE ABO</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3662.2' GR</b>	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: Add perfs and return to production <input checked="" type="checkbox"/>	<b>SUBSEQUENT REPORT RECORD</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/> <b>AUG 26 2008</b> Gerry Guye, Deputy Field Inspector NMOCD-District II ARTESIA

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. MIRU PU. Check for pressure on surface and production casings - bleed any fluids into containment. Test 5 1/2" casing and CIBP @ 6181' w/ 500 psi. Monitor well and assure that it remains static. Install BOP and test BOP blind rams & casing w/ 500 psi.
2. Move in and place on racks approx 6200' of 2 3/8" J-55 production tbg to be used as workstring.
3. TTH w/ 4 3/4" bit and 5 1/2" csg scraper on 2 3/8" tbg to CIBP @ 6181'. Circulate hole clean w/ 2% KCL water and "pickle" tbg w/ 250 gals 15% HCL acid. Pull bit to 5915' & spot 200 gals 10% acetic acid from 5915'-5715'. POH w/ bit.

Continued on page 2.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Andy May D&A for Barry Price TITLE Area Operations Team Lead DATE 8/21/08  
E-mail address: barry.price@bp.com  
Type or print name Barry C. Price Telephone No. 575-394-1648

**For State Use Only**

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
Conditions of Approval, if any:

4. RU WL truck and lubricator, test w/ 1000 psi. Correlate to open hole log, Schlumberger GR - Neutron Log dated 9/16/75, and perf Abo intervals w/ 2 JSPF w/ 0.4" EHD @ 180° phasing (56 holes) as follows:

**Perf Intervals - EAU "G" #352**

Depth	Holes	Check-Off
5901' - 5911'	22	
5886' - 5896'	22	
5862' - 5866'	12	

Monitor well after perfling to assure that well remains static or on vacuum; RD WL equipment.

5. TIH w/ 5½" treating pkr on 2 3/8" tbg & set @ approx 5730' = 132' above top perf. RU HES, pressure 5½" x 2 3/8" annulus to 500 psi and monitor throughout job. RU to tbg, break down perf & establish injection rate (depending on pressure, may need to spot acid to pkr). Treat perfs w/ 2400 gals of 15% HCL-NEFE acid using 90 RCN ball sealers evenly dispersed throughout treatment for diversion; pump 250 gals of acid ahead of first BS and 250 gals behind last BS. Flush treatment w/ 2% KCL water. Limit Max Press to 4000 psi. Document Max & Min TP, ATR and ISIP, 5 min, 10 min and 15 min SIP's on daily report. RD acidizing equipment.
6. Swab test perfs and report recovery to Engineering; data will be used to confirm pumping design as prognosed or design will be modified to meet fluid rates estimated from swab testing.
7. Upon completion of swab testing required for evaluation, obtain pump and rod design from Production Engineering and order equipment.
8. Kill well w/ 2% KCL water if necessary and POH w/ treating pkr.
9. TIH w/ 2 3/8" production tbg as follows:

1	Perfed Sub w/ bull plug
1	2 3/8" API Standard SN
2 jts	2 3/8" EUE 8R J-55 tbg
1	5½" x 2 3/8" TAC
+/- 5850'	2 3/8" EUE 8R J-55 tbg

**Land SN @ approx 5920' w/ TAC set @ approx 5855' w/ 15K tension.**

10. Run pump and rods per design to be provided by Production Engineering.
11. Space out pump, load tbg with water & test to 500 psi. Stroke pump with well servicing unit to test pump action - if OK, clamp off polish rod and RD & RPU.

# Empire Abo Unit "G" #352

Empire Abo Field

API No. 30-015-22846

2200' FSL & 1450' FEL  
Sec 34 - T17S - R28E  
Eddy County, New Mexico

## Present Status

TA'd 4/15/88

RKB 12.0'

GL 3662.2'

Formation tops are from  
EAU #G-342

Yates 461'

Queen 1311'

San Andres 2987'

Abo 5770'

6" - 900 WH

Spud  
RR

Event  
Date

4/21/79

5/6/79

4/22/79

8 5/8" 24# K-55 STC @ 750'

Cmt'd w/ 350 sx Thick-Set w/ 12 pps gilsonite,  
1/4 pps flocele, 2% CaCl<sub>2</sub>, & 100 sx "C" w/ 2% CaCl<sub>2</sub>,  
circ'd 48 sx.

8.6 PPG brine w/ corrosion inhibitor

DV @ 3320' by tally Reported @ 3021'.

CIBP @ 6181', no cmt cap (old CIBP leaked on MIT)  
CIBP @ 6190', no cmt cap

11/4/99

4/15/88

6214' - 6234' w/ 2 JSPF  
OPT = 526 BO, 0 BW & 249 MCFPD on 48/64"  
choke w/ 95 psi FTP

5/21/79

5 1/2" 15.5# K-55 STC @ 6350' TD  
Stage 1 550 sx HLW w/ 2% CaCl<sub>2</sub> & 200 sx  
Thick-Set w/ 2% CaCl<sub>2</sub> - circ'd 92 sx from above DV

5/6/79

Stage 2 950 sx Thick-Set w/ 2% CaCl<sub>2</sub>  
circ'd 99 sx to surface.

6290' PBD  
6350' TD

DCD 6/22/08

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2200' FSL & 1450' FEL  
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**Proposed RTP**

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GL 3662.2'

Event  
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6" - 900 WH

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circ'd 48 sx

4/22/79

Queen 1311'

Encountered water flow while drilling @  
2415' (10.0 gpm - decreased to 5.0 gpm  
when TD'd)

San Andres 2987'

DV @ 3320' by tally. Reported @ 3021'.

Abo 5770'

Propose to perf Abo 5862' - 5866', 5886' - 5896' &  
5901' - 5911' w/ 2 JSPF, acidize w/ 2400 gals 15% HCL-NE  
FE & place on rod pump.

CIBP @ 6181', no cmt cap (old CIBP leaked on MIT)  
CIBP @ 6190', no cmt cap

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