

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

FEB -9 2009

Form C-103
May 27, 2004

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



WELL API NO. 30-015-02605
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: EMPIRE ABO UNIT 'I'
8. Well Number 27
9. OGRID Number 00778
10. 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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator BP America Production Company
3. Address of Operator P.O. Box 1089 Eunice NM 88231
4. Well Location Unit Letter <u>B</u> : <u>330</u> feet from the <u>N</u> line and <u>2271</u> feet from the <u>E</u> line Section <u>5</u> Township <u>18S</u> Range <u>28E</u> NMPM County <u>EDDY</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3679' KB
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

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: Add perfs and return to production ☒

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.

12/11/08: TEST CSG TO 500#, REPLACE ALL CSG VALVES, NU BOP.

12/12/08: RELEASE KVL-30 PACKER, STAND 15 STANDS TBG IN DERRICK, LD 150 JTS 2 3/8 J-55 AND KVL-30 PACKER. RIH WITH 15 STANDS KILL STRING.

12/15/08: MOVE OUT OLD TBG AND MOVE IN NEW 2 3/8 J-55 EUE TBG (185 JTS) RACK AND TALLY. RIG UP KILL TRUCK AND KILL WELL, POH WITH KILL STRING, INSTALL 3 7/8 BIT AND BIT SUB, 2- CHECKS, 15 STANDS. RIH FOUND BRIDGE @ 5900', RIH TAG 1 FT FILL ON CIBP @ 6100', CLEAN FILL, POH WITH 30 STANDS.

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 Barry C. Price TITLE Area Operations Team Lead DATE 2/4/09

Type or print name Barry C. Price

E-mail address:

barry.price@bp.com

Telephone No. 575-394-1648

For State Use Only

APPROVED BY Accepted for record TITLE _____ DATE _____
Conditions of Approval, if any: NMOCD

nk

12/16/08: POH WITH TBG AND LD BAILER AND TOOLS. MOVE IN AND RIG UP APOLLO WIRELINE, RIH WITH GAMMA RAY TOOL. TAG CIBP @ 6084'. CALL DAN WESTMORELAND AND JOHN WILLIAMS. ALL CHANGES APPROVED BY DODIE STINSON, ENGINEER; SHOTS WERE CHANGED FROM 6083'-6090' TO 6055'-6065' EVALUATED GUNS CALLED BACK HAVE 7' OF GUNS AND 14 SHOTS, WAS TOLD TO SHOOT 6055'-6062'. RIH WITH CSG GUNS SHOOT 6055'-6062' W/ 14 HOLES, 6000'-6008' W/16 HOLES, POH, RIH SHOT 5983'-5986' W/6 HOLES, 5957'-5968' W/22 HOLES. TOTAL 58 HOLES SHOT W/2 SPF AT 120-DEGREE PHASING. LOG USED TO CORRELATE WAS SCHLUMBERGER GAMMARAY-NEUTRON YEAR 3-1-60 RIG DOWN WIRELINE. NO SHOW OF GAS INCREASE. RIH WITH K-3 PACKER SEATING NIPPLE AND 173 JTS. SET PACKER @ 5700', AND LOADED BACKSIDE WITH 59.8 BBL 2% KCL. TEST PACKER TO 500 PSI. BLEED OFF PSI.

12/17/08: START JOB, MAX TREAT PSI-1918PSI, AVERAGE TREAT PSI-324 PSI MAX RATE 5.5BPM, AVERAGE RATE 4.9 BPM, PUMP 3200 GAL 15% NEFE W/100 BIOBALLS AND 27 BBL 2 % KCL FLUSH. SHUT WELL IN ON VAC. RIG DOWN HALIBURTON AND REMOVE TBG VALVE AND INSTALL TIW.

12/18/08: TBG - 90#, SURFACE- STILL 0#, BLEED TBG DOWN. KILL TBG WITH 15 BBL 2 % KCL. RELEASE PACKER, RIH TAG @ 6100'. LD 3 JTS. POH WITH PACKER. RIH WITH BP, 2 3/8" PERF SUB J-55, 2 3/8" SEATING NIPPLE, 2 3/8" J-55 IPC-TK-99, 10 JTS 2 3/8 J-55 4.70# TBG, TAC, 173 JT 2 3/8" J-55 4.70# TBG. BULL PLUG @ 6085.11, SN @ 6080.32, TAC @ 5714.41. TAC WOULD NOT SET. TAC HAD SET GOING IN HOLE BUT WAS STILL OPERATIONAL.

12/19/08: WELL HAD ZERO PRESSURE. PUMPED 20BBL FW KILL PILL. POH W/173 JT 2 3/8" J-55 4.70# TBG AND 4.5 TAC. LD DONN TAC. TAC WAS LOCKED AND WOULD NOT TURN. PU NEW 4.5 X 2.375 TAC, RIH WITH 173 JTS 2.375" J55 TBG. ND BOP. SET TAC IN 15PTS TENSION. NU WELLHEAD, INSTALLED NEW ROD BOP. RIG UP SWAB EQUIPMENT. 1ST-RIH W/SWAB, FLUID LVL 400' ABOVE SN, PUTTING FLUID LVL @ 5680'. BLACK WATER WAS SWABBED, WITH NO GAS AFTER FLOW. 2ND-FLUID LVL, SWAB SAMPLE THE SAME AS FIRST. NO GAS AFTER FLOW. 3RD-FLUID LVL 300' ABOVE SN, FLUID LVL @ 5780'. MADE 8 RUNS. FLUID LVL REMAINED @ 300-400' ABOVE SN, 5780-5680'. LAST RUN FOUND NO FLUID LVL. PULLED OH WITH NO FLUID. TOTAL FLUID LOAD TO RECOVER, 107BBL. RECOVERED 5 BBLS BLACK WATER. TOTAL TO RECOVER: 98BBLS.

12/22/08: CHECKED WELLHEAD PRESSURE-ZERO. 1ST RUN: FLUID LVL @ 600'. DROPPED 2.375" SV. MADE TOTAL 6 SWAB RUNS. AVG FLD LVL WAS 473' ABOVE SN. SWABBED 10.8 BBLS BLACK WATER. NO OIL OR GAS AFTER SWAB. PULLED OH WITH SWAB. CLOSED TIW VALVE. CHANGED SWAB CUPS. CUPS WERE WORN. OPENED TIW VALVE, CHECKED WELL HEAD PRESSURE-STATIC. RIH WITH SWAB. MADE 5 SWAB RUNS. AVG FLD LVL WAS 552'. SWABBED 10.5 BBLS BLACK WATER. NO OIL OR GAS AFTER SWAB. PULLED OH WITH SWAB. CLOSED TIW VALVE. CHANGED SWAB CUPS. OPENED TIW VALVE, CHECKED WELL HEAD PRESSURE-STATIC. RIH WITH SWAB. MADE 5 SWAB RUNS. AVG FLD LVL WAS 500'. SWABBED 9.5 BBLS BLACK WATER. NO OIL OR GAS AFTER SWAB. TOTAL SWABBED WAS 30.8 BBLS. TOTAL LOAD TO RECOVER IS 71.2 BBLS.

12/23/08: CHECKED WELLHEAD PRESSURE-VACUUM. SV IN SN. RIH W/SWAB. MADE 5 SWAB RUNS. SWAB TOTAL 12BBLS, BLACK WATER. NO OIL OR GAS. TALKED WITH ENGINEER. DECISION MADE TO PULL SV, MAKE ONE SWAB RUN TO CHECK FLUID LVL AND FLD CONTENT. PREPARE TO RIH WITH PUMP AND RODS PER ROD STAR. REMOVED SWAB MANDLE, INSTALLED SV FISH. RIH CAUGHT SV, POH. OPEN TIW VALVE. TUBING PRESSURE-ZERO. RIH W/SWAB. FOUND FLUID LVL @ 5600', 480' ABOVE SN. MADE ONE SWAB RUN. SWABBED 2BBLS BLACK WATER. NO OIL OR GAS AFTER SWAB. SHUT IN TIW VALVE, SECURED WELL. LD SWAB AND LUBRICATOR. SWABBED TOTAL OF 14BBLS. TOTAL LOAD TO RECOVER IS 57.2BBLS.

12/24/08: PICKED UP AND RIH WITH PUMP AND RODS. RIH AS FOLLOW: 1-1X12" GA, 1-20.125.RHBC. 16.4 PUMP, 1-4' GUIDED ROD, 14-1.25" C SB, 196- 3/4 KD, 30-7/8 KD, 1-7/8X6 KD, 1-7/8X2KD, 1-1.250X22' SS POLISH ROD W/ 1 1/2'X10" POLISH ROD LINER. SEATED PUMP. SPACED RODS & PUMP. LOADED TUBING W/18.5BBLS 2% KCL, HYDRO TESTED TUBING TO 500 PSI AND CHECKED PUMP ACTION. GOOD. BLED WELLHEAD PRESS TO ZERO. SI WELLHEAD VALVES, INSTALLED BP IN WELLHEAD VALVES. SECURED WELL.

12/29/08: RIG DOWN WELL SERVICING UNIT.

1/30/09: RETURN TO PRODUCTION. SIX-HOUR WELL TEST: 8 BBLS WATER, ZERO OIL AND ZERO GAS.