

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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
B-P America Production Co.
3a. Address
P.O. Box 1089, Eunice, N.M. 88231
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter I, 1980' FSL & 660' FEL
Sec. 1, T18S, R27E

3b. Phone No. (include area code)
505-677-3642

5. Lease Serial No.
NM-016788
6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Empire Abo Unit K-20
9. API Well No.
30-015-00697

10. Field and Pool, or Exploratory Area
Empire Abo

11. County or Parish, State
Eddy, New Mexico

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 type="checkbox"/> Change Plans <input checked="" 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 to recomplete 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.)

TD 6185' PBD 6183' Perfs 5956'-6122', 6159'-6175'. Holes in csg. @ 2977' to 3039'.
Procedure to P&A:

- (1) MIRU, ND WH, NU BOP & Enviro-vat.
- (2) Release pkr. & POH w/tbg. & pkr. @ 2294'.
- (3) RIH w/tbg. w/on-off tool. Wash 2 sxs. sand off pkr. @ 5877'. Release & POH.
- (4) TIH w/CIBP & set @ 5906'.
- (5) Circ. & test csg. w/8.6# brine water.
- (6) Circ. hole w/9.5# salt gel mud.
- (7) Cap CIBP @ 5906' w/25 sxs. cmt. TOH.
- (8) TIH w/pkr. & squeeze 35 sxs. cmt. @ 3039' to 2877'. Covers holes @ 2977' to 3039'. WOC & Tag.

CONTINUED ON BACK OF THIS PAGE

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Signature

Title

Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

APPROVED

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.

LES BABYAK
PETROLEUM ENGINEER

PLUGGING & ABANDONMENT WORKSHEET

(2 STRING CSNG)

OPERATOR B P America Production Co

LEASENAME E44

Unit 4-1-1

WELL # K-20

SECT 1 TWN 18S RNG 27E

FROM 1980 M/S L 660 E/M L

TD: 6185 FORMATION @ TD

PBTD: 6183 FORMATION @ PBTD

	SIZE	SET @	TOC	TOC DETERMINED BY	
SURFACE	8 5/8	1522	Surface	CIRC. 850 SXS	
INTMED 1					
INTMED 2					
PROD	4 1/2	6185	5500	200 SXS - calculated	
	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					
CUT & PULL @			TOP - BOTTOM		
INTMED 1			PERFS	5956 - 6034	
INTMED 2			PERFS	6159 - 6175	
PROD					

*REQUIRED PLUGS DISTRICT I

RUSTLER (ANYD)	
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
CAPTAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
GLORIETA	
BLINDBRY	
TUBB	
DRINKARD	
ADO	
WC	
PENN	
STRAWN	
ATOKA	
MORROW	
MISS	
DEVONIAN	

PLUG	TYPE PLUG	SACKS CMNT	DEPTH
EXAMPLES			
PLUG #1	OH	35 SXS	6400'
PLUG #2	SHOE	50 SXS	5350'-5450'
PLUG #3	CIBP/35'		4800'
PLUG #3	CIBP	25 SXS	4800'
PLUG #4	STUB	50 SXS	3600'-3700'
PLUG #5	RETNR SQZ	200 SXS	400'
PLUG #6	SURF	10 SXS	0-10'
PLUG #1	CR	-	6146
PLUG #2	CTBP	25 SXS	5906
PLUG #3	592 holes 2977-3077	35 SXS	3039-2977
PLUG #4	shoe	50 SXS	1572-1472
PLUG #5	Surface	15 SXS	60-0
PLUG #6			
PLUG #7			
PLUG #8			
PLUG #9			
PLUG #10			
PLUG #			
PLUG #			

Part 4 1/2 CSNG @ 60' circ. 15 SXS cm + to surface

Perf 4 1/2 CSNG 1572 + 592 SXS cm + to 1472 TRG

8 5/8 - 24" @ 1522

TOC surface

9.5# salt gel mud

592 holes 2977 6 3039 w/ 35 SXS cm +

Perfs 5956 6122

circ hole w/ 9.5# salt gel mud CTBP @ 5906 capped w/ 25 SXS cm +

4 1/2 9.5# @ 6185

TOC 5500

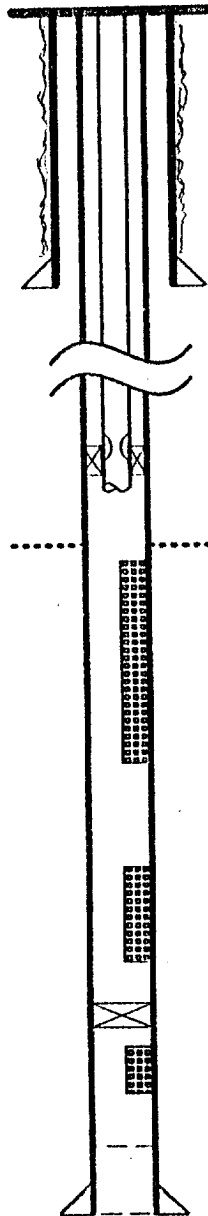
CTOP @ 6146

P & A'd well

TD _____

Empire Abo Unit "K" 20

Potential
Perforation
Zones



--- KB at 3641 above sea level (Used as the Datum)
Flowing well

--- 8-5/8" - 24# casing set at 1522' (11" hole) - *cmtd. Circ.*
--- Top of Cement unknown, cmtd w/ 200 sx - *4 1/2 csg.*
Eot, TOC @ 5500'

--- PKR set at 5924', SN set at 5915'
Tubing: 190 jts (5903'), 2 3/8", 4.7#, 8rd, J-55

--- Top of Abo at 5949'

--- Perforations at 5956' - 6034' w/ 2 JSPF

--- Perforations at 6070' - 6122'

--- CR set at 6146'

--- Perforations at 6159' - 6175' Squeezed off

--- PBTD at 6183'

--- 4-1/2" - 9.5# / 116# casing set at 6185' (7 7/8" hole)