

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil Cons.

DIV-Dist. 2

SUNDRY NOTICES AND REPORTS

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

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

C/S F

5. Lease Serial No.  
NMC557371

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
891013810

8. Well Name and No.  
Empire Abo Unit K-181

9. API Well No.  
30-015-21554

10. Field and Pool, or Exploratory Area  
Empire Abo

11. County or Parish, State  
Eddy Co. N.M.

## 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

3b. Phone No. (include area code)  
505-394.1600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1440' FWL & 1367' FSL, Unit Letter "K"  
Sec. 1, T18S, R27E

## 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 recompleteness 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 recompleteness 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.)

T.D. 6203', PBD 6065', Perfs 5990' - 6050', CR @ 6066', KB=11'.

## PROCEDURE TO P&amp;A WELL:

- (1) MIRU & check tbg. press. Kill well w/8.6# brine water if necessary.
- (2) ND well head & NU BOP & Enviro-vat.
- (3) Release model R-3 D.G. pkr. @ 5918'. POH w/tbg. & pkr.
- (4) RIH w/wireline & set CIBP @ 5940'. POH w/wL.
- (5) RIH w/tbg. to 5940' & circ. hole w/9.5# salt gel mud.
- (6) Cap CIBP w/25 sxs. cmt.
- (7) PUH to 3000' & spot 25 sx. cmt. plug 3000' to 2900'. Tag.
- (8) PUH w/tbg. to 1050' & spot 25 sx. cmt. plug 1050' to 950'. Tag.
- (9) PUH w/tbg. to 60' & spot 10 sx. cmt. plug to surface.
- (10) Cut off well head & anchors 3' BGL. Clean up location & set dry hole marker.

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

Name (Printed/Typed)

Kellie D. Murrish

Title Sr. Admin. Asst

Signature

Kellie D. Murrish

Date 12.11.02

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

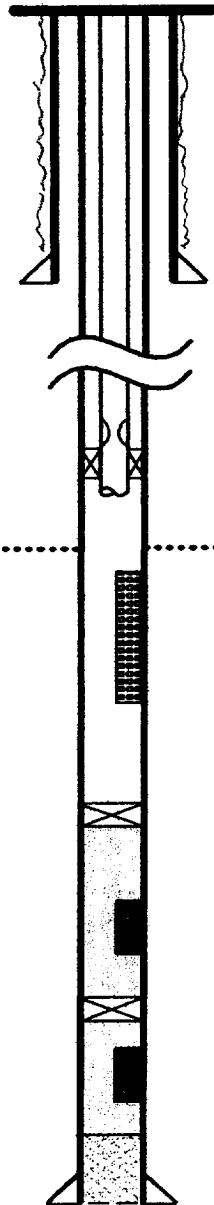
APPROVED

LES BABYAK  
PETROLEUM ENGINEER

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.

# Empire Abo Unit 'K' 181 Federal 2se.

Potential  
Perforation  
Zones



--- KB at 3598' above sea level (Used as the Datum)  
Flowing well  
--- Top of Cement at surface

--- 8-5/8" - 24# casing set at 1000' (11" hole)

--- PKR set at 5918', SN set at 5910'  
Tubing: 186 jts (5898") 2 3/8", 4.7#, 8rd, J-55

--- Top of Abo at 5968'

--- Perforations at 5990' - 6050'

--- CR set at 6066' w/ cmt filled beneath

--- Perforations at 6082' - 6110' Squeezed off

--- CR set at 6139' w/ cmt filled beneath

--- Perforations at 6170' - 6190' Squeezed off

--- PBTD at 6200'

--- 5-1/2" - 14# casing set at 6203' (7 7/8" hole)



# PLUGGING & ABANDONMENT WORKSHEET

(2 STRING CSNG)

OPERATOR

B.P. America Production Co

LEASENAME

Empire Har Unit (Fed Use)

SECT

1

TWN

WELL #

K-181

FROM

1367

N/S L

195 RNG

27 E

TD:

6203

FORMATION @ TD

PBTD:

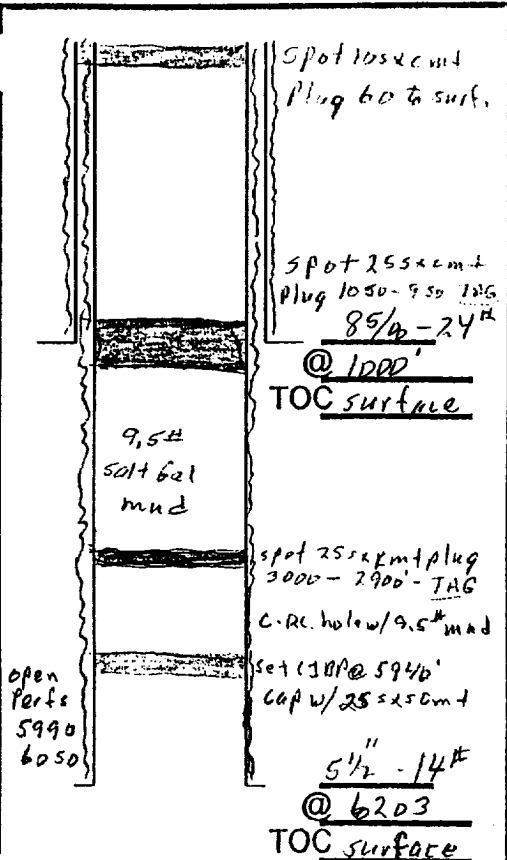
6200

FORMATION @ PBTD

	SIZE	SET @	TOC	TOC DETERMINED BY	
SURFACE	8 5/8	1000'	Surface	CIRC	
INTMED 1					
INTMED 2					
PROD	5 1/2	6203	Surface	CIRC	
	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					
CUT & PULL @			TOP - BOTTOM		
INTMED 1			PERFS	-	
INTMED 2			OPENHOLE	-	
PROD					

RUTLER (ANHYD)	
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
required plug 3000'	
CAPTAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
GLORIETA	
BLINEBRY	
TUBB	
DRINKARD	
ABO	
WC	
PENN	
STRAWN	
ATOKA	
MORROW	
MISS	
DEVONIAN	

PLUG	TYPE	SACKS	DEPTH
PLUG	PLUG	CMNT	
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	REINR SQZ	200 SXS	400'
PLUG #6	SURF	10 SXS	0-10'
PLUG #1	CIBP	25 SXS	5940
PLUG #2	3000 plug	25 SXS	3000-2900
PLUG #3	shoe	25 SXS	1050-950
PLUG #4	Surface	10 SXS	60-0
PLUG #5			
PLUG #6			
PLUG #7			
PLUG #8			
PLUG #9			
PLUG #10			
PLUG #			
PLUG #			



P+A well

TD 6203

Well No.	K-181
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Type of Well
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X	Oil
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	Gas
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	Other
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Well API No.	30-015-21554
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Serial No. NM 6557371

Lease Name	Empire Abo Unit "K"
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Type of Lease
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	State
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	Fee
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Fed well

Well Location	1367	ft	From South Line	1440	ft	From West Line
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Section:	1	Township:	18S	Range:	27E	County:	Eddy
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Elevation	3598	ft above sea level (RDB)
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Top of Abo	2370	ft below see level
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Total Depth	6203	ft
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PBTD	6200	ft
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KB	11	ft above GL
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Datum	KB	(All depths based on KB)
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Tubing	
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# of Jts	186 (5898')
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Size	2 3/8"
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Weight	4.7#
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Thread	EUE 8rd
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Class	J-55
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Well Status	
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X	Flowing well
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	Pumping well
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	Shut in
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CASINGS				
string #	Hole sz.	Depth	Casing Dmtr.	wght.
1	11"	1000 ft	8.625 in	24#
2	7 7/8"	6203 ft	5.5 in	14#

OTHER EQUIPMENT (BPs, ETC..)			
Name	Depth	Casing Dmtr.	Notes
TOC	surface	5.5 in	
CR	6139 ft	5.5 in	cmt beneath
CR	6066 ft	5.5 in	cmt beneath
PKR	5918 ft	5.5 in	Model "R" PKR
SN	5910 ft	5.5 in	

Pay Zone
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Top of Abo	5968	ft	to	Bottom of Well	6200	ft
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Top of Abo		ft	Reported
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#### PERFORATIONS

Start Depth	End Depth	Jet Shots per Foot	Date of Perforation	Comments
6170 ft	6190 ft	2	10/24/1975	Closed 10/29/75 w/ cmt
6082 ft	6110 ft	2	10/30/1975	Closed 7/10/95 w/ cmt
5990 ft	6050 ft		7/10/1995	

#### COMMENTS

The current perforations extend to the top of the Abo. As such, there are no opportunities to perforate in this well.