

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Oil Cons.  
N.M. DIV-Dist. 2  
1601 W. Grand Avenue  
Albuquerque, NM 88210

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

9/5/02

**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)

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

5. Lease Serial No.  
NM-025604
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.  
M-10
9. API Well No.  
30-015-00857
10. Field and Pool, or Exploratory Area  
Empire Abo
11. County or Parish, State  
Eddy, New Mexico

Unit Letter "C" 660' FNL, 1980' FWL  
Sec. 10, 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 recompleat 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 recompleat 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.)

Procedure to P&A well. This well has a RBP @ 1700'. The casing has holes from 1700' to 2250' and 2491' to 2708'. Casing may be collapsed at 5200'. A packer is set on the 2 3/8 tbg. at 5870' with 2 jts. of tailpipe. The 2 3/8 tbg. is cut off at 5200' and stuck at 5235'.

(1) RU PU, ND WH, NU BOP & Enviro-vat.

(2) RIH w/retrieving tool & latch onto pkr. @ 1700'. Release & POH.

(3) RIH w/OE tbg. to 5150'.

(4) RU pump & try to get the formation to take brine water down 2 3/8 tbg.

(5) If formation takes fluid, follow with cmt. Try to fill csg. below pkr. & 2 3/8 tbg. and csg. to 5100'. WOC & Tag.

(6) If formation will not take fluid, spot 25 sx. cmt. plug from 5200' to 5100' above cut off tbg. stub @ 5200'. WOC & Tag.

CONTINUED ON BACK OF THIS PAGE

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

Name (Printed/Typed)  
M. Kent Whitmire

Signature  
M. Kent Whitmire

Title  
Operational Specialist

Date  
11-18-02

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this office 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

Date

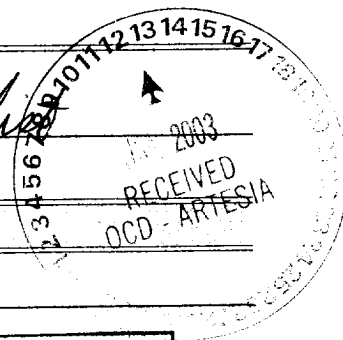
Office

**APPROVED**

JAN - 6 2003

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.



# PLUGGING & ABANDONMENT WORKSHEET (2 STRING CSNG)

OPERATOR B-P America Production Co.  
LEASENAME EAU

SECT 10 TWN 185 RNG 27E  
FROM 660 N10L 1980 EWL  
TD: 6079 FORMATION @ TD  
PBD: 6049 FORMATION @ PBD

WELL # M-10

185 RNG 27E

1980 EWL

FORMATION @ TD

FORMATION @ PBD

Perf 5 1/2 csg @ 1052  
Bull head 592 cmt  
around 5 1/2 & 8 5/8  
To surface

8 5/8 - 24 #

@ 1002

TOC surface

9.5#  
mud

spot 355 x cmt  
plug 2500 - 2400'

Try to circ hole w/  
9.5" mud

5 1/2 - 14 #

@ 6079

TOC unknown

cmt. w/ 150 sxs

- spot 255 x cmt  
plug 5200 to 5100'

- tbg stuck @  
5235'

Top of Abco  
5514'

Try to fill tbg  
w/ cmt.

- Per @ 5870'

- 5890 - 5920'

- 5982 - 6008

- CIP @ 6049.10' 2'  
cmt on top of cmt  
below

TD 6079

D.H. 6485

	SIZE	SET @	TOC	TOC DETERMINED BY	
SURFACE	8 5/8	1002	surface	circulated	
INTMED 1					
INTMED 2					
PROD	5 1/2	6079	unknown	150 sxs	
	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					
CUT & PULL @			TOP - BOTTOM		
INTMED 1			PERFS	5890 - 5920	
INTMED 2			OPENHOLE	6079 - 6485	
PROD					

## \*REQUIRED PLUGS DISTRICT\*

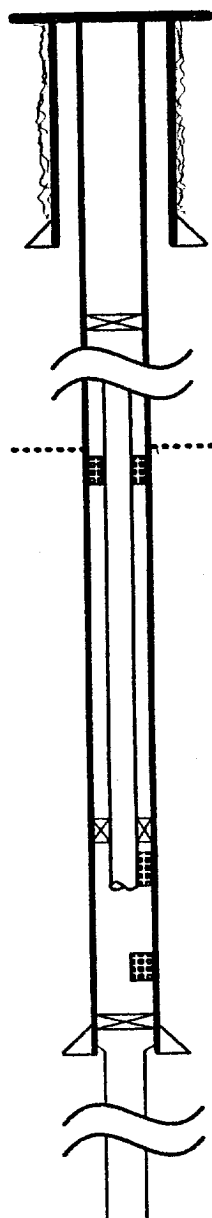
RUSTLER (ANHYD)	
YATES	
QUEEN	
ORAYBURG	
TAN ANDRES	3000'
CAPTAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
DONE SPRING	
GLORIETA	
GLINEDRY	
TUBB	
DRINKARD	
ADO	
WC	
PENN	
STRAWN	
ATOKA	
MORROW	
MISS	
DEVONIAN	

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	OH	5720 s	6485-6079
PLUG #2	tbg stub	255 x	5200-5100
PLUG #3	3000' plug	355 x	2500'-2400'
PLUG #4	surface shoe	200 s	1052-10
PLUG #5			
PLUG #6			
PLUG #7			
PLUG #8			
PLUG #9			
PLUG #10			
PLUG #			
PLUG #			

# Empire Abo Unit 'M' 10

Potential  
Perforation  
Zones

376'



--- KB at 3529' above sea level (Used as the Datum)  
Well is currently shut in

--- 8-5/8" - 24# casing set at 1002' (12 1/4" hole) CIRC.

--- RBP set at 1700'  
Holes in Casing f/ 1700' - 2250' and 2491' - 2708'

--- Top of Cement unknown, cemented w/ 150 sx  
--- Top of Abo at 5514'  
--- Perforations 5524' - 5550'  
Squeezed, re-perforated, Squeezed

--- PKR set at 5870' w/ 2 jts 2 3/8" tailpipe below  
--- Tubing top chemically cut at 5200'  
--- Perforations 5890' - 5920' w/ 2 JSFF

--- Perforations 5982' - 6008' w/ 2 JSFF

--- BP set at 6049 w/ 2' cmt on top and cmt below  
--- 5-1/2" - 14# casing set at 6079' (7 7/8" hole)

--- Open hole drilled to 6485', Squeezed off