

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
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

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

C157

Form C-103

Revised March 25, 1999

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.)		WELL API NO. 30-015-01647
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator B-P America Production Co.		6. State Oil & Gas Lease No. 647
3. Address of Operator P.O. Box 1089 Eunice, New Mexico 88231		7. Lease Name or Unit Agreement Name: Empire Abo Unit "H"
4. Well Location Unit Letter <u>M</u> : <u>660</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>West</u> line Section <u>31</u> Township <u>17S</u> Range <u>28E</u> NMPM Eddy County		8. Well No. <u>21</u> 9. Pool name or Wildcat <u>Abo</u>
10. Elevation (Show whether DR, RKB, RT, GR, etc.) KB- 11.6'		

11. 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: ☐

12. 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.

EAU H-21 P&A Procedure:

T.D. 6006'. PBTB 5990'. Perfs 5826' - 5830'.

- (1) ND wellhead & NU BOP & Enviro-vat.
- (2) Release TAC @ 5806' & POH w/ 188 jts. of 2 3/8 tbg.
- (3) RIH w/ Wireline & set CIBP @ 5776'. POH w/W.L.
- (4) RIH w/tbg. & Tag CIBP @ 5776'.
- (5) Circulate 4 1/2" csg. w/9.5# salt gel mud.
- (6) Cap CIBP w/ 25 sxs. cmt.
- (7) PUH w/tbg. & spot 25 sxs. cmt. from 3390' to 3290'.
- (8) PUH w/tbg. & spot 25 sxs. cmt. from 1046' to 946'. WOC & Tag.
- (9) POH w/tbg. & RIH w/Wireline & perf 4 1/2" csg. @ 330'. POH w/W.L.
- (10) RIH w/pkr. & tbg. Squeeze 25 sxs. cmt. from 330' to 230'.
- (11) POH w/tbg. & pkr. RIH w/Wireline & perf 4 1/2" csg. @ 60'.
- (12) Circulate 4 1/2" & 8 5/8" csg. w/ 15 sxs. cmt. to surface.
- (13) Cut off wellhead & anchors 3' BGL. Set dry hole marker. Clean up location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kellie D. Murrish TITLE St. Admin. Asst. DATE 01.13.03

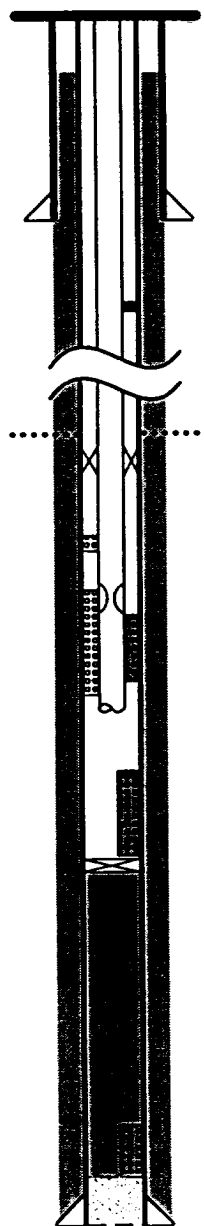
Type or print name Kellie D. Murrish Telephone No. 505.394.1600
(This space for State use)

APPROVED BY [Signature] TITLE Wild Sep ID DATE JAN 22 2003
Conditions of approval, if any:

Notify OCD 24 hrs. prior to any work done

Empire Abo Unit "H" 21

Potential
Perforation
Zones



--- KB at 3679' above sea level (Used as the Datum)
Well is currently shut in
--- Top of Cement at 350'

--- 8-5/8" - 227# casing set at 996' (11" hole)

--- 4 Squeeze holes at 1232', Squeezed off

--- Top of Abo at 5800'
--- AC set at 5806'

--- Perforations 5826' - 5830' w/ 1 JSPF
SN set at 5842' w/ 31' Mud Anchor
--- Tubing: 188 jts, 2 3/8", 4.7#, EUE 8rd, J-55
--- Perforations 5846' - 5862' Squeezed off
--- Perforations 5840' - 5866' w/ 1 JSPF

--- Perforations 5886' - 5910' Squeezed off
--- CR set at 5910' w/ cement beneath

--- Perforations 5976' - 5990' Squeezed off
--- PBTD at 5990'
--- 4-1/2" - 9.5# casing set at 6006' (7 7/8" hole)

(2 STRING CSNG)

OPERATOR B-P America
LEASENAME Empire Abo Unit "H"

SECT 31 TWN 175 RNG 29E
FROM 660 *IS L 660 *W L
TD: 6006 FORMATION @ TD
PBTD: 5990 FORMATION @ PBTD

	SIZE	SET @	TOC	TOC DETERMINED BY	
SURFACE	8 5/8	996	Surface		
INTMED 1					
INTMED 2					
PROD	4 1/2	6006	350'		
	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					
	CUT & PULL @			TOP - BOTTOM	
INTMED 1			PERFS	-	
INTMED 2			OPENHOLE	-	
PROD					

***REQUIRED PLUGS DISTRICT I**

RUSTLER (ANBYD)	
YATES	330
QUEEN	
GRAYBURG	
SAN ANDRES	
CAPITAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
GLORIETA	3390
BLINEBRY	
TUBB	
DRINKARD	
ABO	
WC	
PENN	
STRAWN	
ATOKA	
MORROW	
MISS	
DEVONIAN	

[illegible]

Perfs
5826
5830

Per 4 1/2' ESG @ 60'
circ. 4 1/2' & 5 1/2' ESG
w/ 1554 cmt.

Perf 4 1/2 csq @ 330
Sphere 25 sq cm
from 330 - 230.

5p0725 x cm +
from 1046-946
WOC - Tag
85/4 - 22.7#

@ 996
TOC surface

Spot 25 sec +
plug from 3390-
3290

Circ. hole w/
9.5 # Salt Gel Mud

Set C 18PQ5776 +
Cap w/255xcm +
4 1/2 - 9.5"

@ 6006
TOC 350

TD 6006

Well No. H-21

Type of Well

X Oil

Gas

Other

Well API No. 30-015-01647

Lease Name Empire Abo Unit "H"

Type of Lease

X State

Fee

Lease # 647

Unit 4r "M"
Well Location 660 ft From South Line 660 ft From West Line
Section: 31 Township: 17S Range: 28E County: Eddy

Elevation 3679 ft above sea level (RDB)
Top of Abo 2121 ft below see level
Total Depth 6006 ft
PBSD 5990 ft
KB 11.6 ft above GL
Datum KB (All depths based on KB)

Tubing
of Jts 188
Size 2 3/8"
Weight 4.7#
Thread EUE 8rd
Class J-55

Well Status
Flowing well
Pumping well
X Shut in

CASINGS					
string #	Hole sz.	Depth	Casing Dmtr.	wght.	
1	11"	996 ft	8.625 in	22.7#	
2	7 7/8"	6006 ft	4.5 in	9.5#	

OTHER EQUIPMENT (BPs, ETC..)				
Name	Depth	Casing Dmtr.	Notes	
TOC	350 ft	4.5 in		
CR	5910 ft	4.5 in	w/ cmt beneath	
SN	5842 ft	4.5 in	w/ 31' Mud Anchor	
AC	5806 ft	4.5 in		

Pay Zone
Top of Abo 5800 ft to Bottom of Well 5990 ft
Top of Abo 5800 ft Reported

PERFORATIONS					
Start Depth	End Depth	Jet Shots per Foot	Date of Perforation	Comments	
5846 ft	5862 ft	2	2/3/1960	Closed 6/9/70 w/ cmt	
5886 ft	5910 ft	2	2/3/1960	Closed 6/9/70 w/ cmt	
5976 ft	5990 ft	2	6/9/1970	Closed 1/28/76 w/ cmt	
1232 ft		4 Squeeze Holes	2/15/1972	Squeezed 2/15/72	
5826 ft	5830 ft	1	1/29/1976		
5840 ft	5866 ft	1	1/29/1976		

COMMENTS

This well has been perforated to the top of the Abo. There are no further opportunities to perforate.