

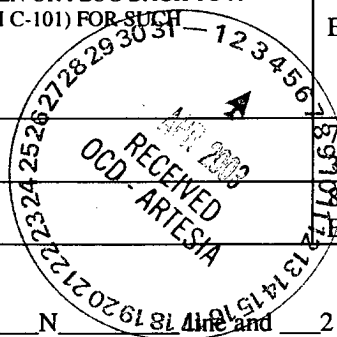
Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

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

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. 30-015-01692
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator BP AMERICA		6. State Oil & Gas Lease No.
3. Address of Operator P.O. BOX 1089 EUNICE, N.M. 88231		7. Lease Name or Unit Agreement Name: EMPIRE ABO UNIT "F"
4. Well Location Unit Letter <u>G</u> <u>1980</u> feet from the <u>N</u> line and <u>2130</u> feet from the <u>E</u> line Section <u>33</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>EDDY</u> County		Well No. Pool name or Wildcat EMPIRE ABO
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3671 GR		



11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

TD: 6175' PBD: 5802' PERFS: 5734 - 5796'

MIRU PU POOH W/ RODS AND PUMP ND WH AND NU BOP
RELEASE TAC @ 5654' POH W/ TBG AND TAC
RIH W/ BIT AND CSG SCRAPER AND TAG CIBP @ 5802' POH
RIH W/ CMT RETAINER SE CR @ 5724' AND AQUEEZE PERF'S FROM 5734 TO 5796 POH
RIH AND DRILL OUT TO PBTD @ 6154' RIH W/ PKR AND TBG SPOT 34 GA 15% HCL FROM 6134 TO 6100'
PU SET PKR @ 6090' ACIDIZE W/ 1400 GAL 15% HCL SWAB TEST (IF ALL WATER RELEASE PKR AND POH)
RIH AND SET CIBP @ 6090' POH RU WIRE LINE AND PERF W/ 2 JSPF 5906 TO 5912, 5931 TO 5937, 6006 TO 6050.
RIH W/ RBP, AND PKR AND TBG SET RBP @ 6060 SPOT 109 GAL 15% HCL FROM 6050 TO 5890. PU SET PKR @ 5800
ACIDIZE PERFS FROM 6050 TO 5890 W/ 5000 GAL 15% HCL RELEASE PKR AND RETRIEVE RBP POH
RIH W/ PRODUCTION TBG AND ANCHOR SWAB TEST AND RIH W/ RODS AND PUMP
RTP

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

SIGNATURE Jim Pierce TITLE Well Specialist DATE 4-3-2003

Type or print name Jim Pierce Telephone No. _____

(This space for State use) Jim W. Leem District Supervisor

APPROVED BY _____ TITLE _____ DATE APR 9 2003

Conditions of approval, if any:

F-31

Workover Procedure

MIRU PU

POH w/ rods and pump.

ND WH. NU BOP.

Release TAC @ 5654. POH w/ TBG and TAC.

GIH w/ 3 7/8" bit and csg. scraper to 5802. POH.

GIH w/ cement retainer and tbg. Set CR @ 5724' and squeeze perf's from 5734' to 5796'. POH.

GIH and drill out to PBTD @ 6154'. POH.

GIH w/ Treating PKR, API SN and 2 3/8" tbg.

Spot 34 gal. 15% HCL NEFE acid from 6134 to 6100.

1. PU set Treating PKR @ 6090'.

2. Acidize perfs. from 6134 to 6107 w/ 1400 gal. 15% HCL NEFE acid, dropping 3 ball sealers every 50 gallons. Displace w/ 23 bbls. 2% KCL wtr.

3. Release PKR. GIH and wipe off ball sealers.

4. PU reset PKR @ 6090 and swab for test. (If test all water: Release PKR and POH. GIH w/ CIBP and set @ 6090. POH. If test low or no water and good gas blow: Release PKR and POH.)

5. GIH and perf. w/ 2 JSPF 5906 to 5912, 5931 to 5937 and 6006 to 6050. (from Frontier Perforators, Inc. Isotron Log dated 6-11-60.) POH.

6. GIH w/ RBP, Treating PKR and 2 3/8" tbg.

7. Set RBP @ 6060.

8. Spot 109 gal. 15% HCL NEFE acid from 6050 to 5890.

9. PU. Set Treating PKR @ 5800. Acidize perfs. from 6050 to 5810 w/ 5000 gal. 15% HCL NEFE acid, dropping 3 ball sealers every 50 gallons. Displace w/ 23 bbls. 2% KCL wtr.

10. Release PKR. GIH and catch RBP @ 6060. POH

11. RIH w/ Bull Plugged MA, Perf Sub, API SN and 2 3/8" TBG. Land SN 40' above PBTD.

12. ND BOP. NU WH.

13. Swab for Test

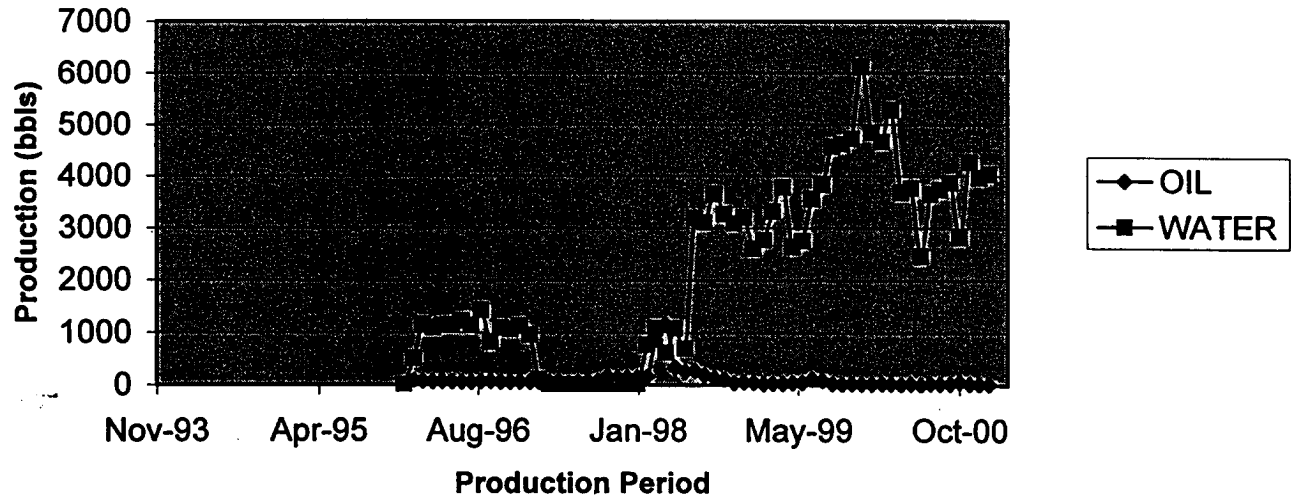
14. RIH w/ rods and pump

15. RD PU

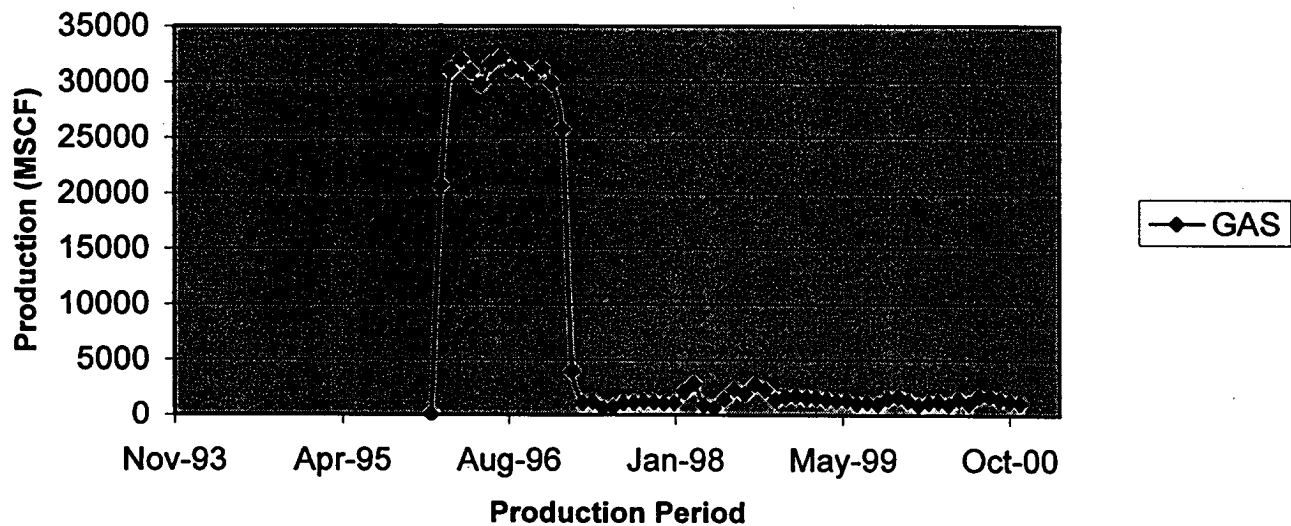
16. RTP

Production History for F31

Water and Oil Production History

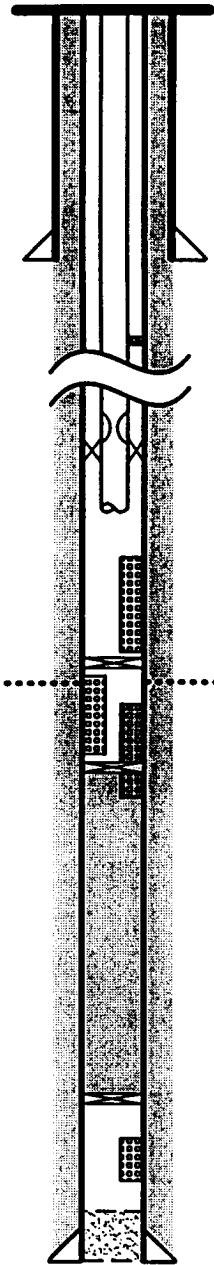


Gas Production History



Empire Abo Unit 'F' 31

Potential
Perforation
Zones



- KB at 3671 above sea level (Used as the Datum)
Pumping well
- Top of Cement at surface
- 8-5/8" - 22.7# casing set at 1000' (11' hole)
- 4 Squeeze holes at 1248', Squeezed off
- AC set at 5654', SN set at 5653'
Tubing: 183jts (5724'), 2 3/8", 4.7#, EUE 8rd, J-55
w/ Mud Anchor
- Perforations 5734' - 5796' w/ 2 JSFF
- CIBP set at 5802'
- Top of Abo at 5812'
- Perforations 5810' - 5860' Closed off w/ CIBP
- CR set at 5868', w/ cmt beneath
- Perforations 5828' - 5887', 10 holes Squeezed off
- CIBP set at 6080'
- Perforations 6107' - 6134' Closed off w/ CIBP
- PBTD at 6154'
- 4-1/2" - 9.5# / 11.6# casing set at 6175' (7 7/8" hole)

Well No.	F-31
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Type of Well

X	Oil
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	Gas
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Well API No.	30-015-01692
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	Other
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Lease Name	Empire Abo Unit "F"
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Type of Lease

X	State
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	Fee
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Well Location	1980	ft	From North Line	2130	ft	From East Line	
Section:	33	Township:	17S	Range:	28E	County:	Eddy

Elevation	3671	ft above sea level (RDB)
Top of Abo	2144	ft below see level
Total Depth	6175	ft
PBTD	6154	ft
KB	0	ft above GL
Datum	KB	(All depths based on KB)

Tubing	
# of Jts	183 (5724')
Size	2 3/8"
Weight	4.7#
Thread	EUE 8rd
Class	J-55

Well Status	
	Flowing well
X	Pumping well
	Shut in

CASINGS				
string #	Hole sz.	Depth	Casing Dmtr.	wght.
1	11"	1000 ft	8 5/8 in	22.7#
2	7 7/8"	5461 ft	4 1/2 in	9.5#
2	7 7/8"	6175 ft	4 1/2 in	11.6#

OTHER EQUIPMENT (BPs, ETC..)			
Name	Depth	Casing Dmtr.	Notes
TOC	surface	4 1/2 in	
CIBP	6080 ft	4 1/2 in	
CR	5868 ft	4 1/2 in	w/ cmt beneath
CIBP	5802 ft	4 1/2 in	
SN	5653 ft	4 1/2 in	
AC	5654 ft	4.5 in	w/ MA to 5693'

Pay Zone				
Top of Abo	5815 ft	to	Bottom of Well	6154 ft
Top of Abo	5812 ft	Reported		

PERFORATIONS				
Start Depth	End Depth	Jet Shots per Foot	Date of Perforation	Comments
6107 ft	6134 ft	2		Closed 6/5/97 w/ CIBP
1248 ft		4 Squeeze Holes	8/28/1974	Squeezed 8/29/74
5828 ft	5887 ft	10 holes total	8/31/1974	Closed 8/14/90 w/ cmt
5810 ft	5860 ft	2	6/5/1997	Closed 7/21/97 w/ CIBP
5734 ft	5796 ft	2	7/21/1997	

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