

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

Form C-103
June 19, 2008

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

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: <input checked="" type="checkbox"/> Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator APACHE CORPORATION		6. State Oil & Gas Lease No.
3. Address of Operator 303 VETERANS AIRPARK LN, STE 3000; MIDLAND, TX 79705		7. Lease Name or Unit Agreement Name EMPIRE ABO UNIT F
4. Well Location Unit Letter G : 1980 feet from the N line and 2130 feet from the E line Section 33 Township 17S Range 28E NMPM County EDDY		8. Well Number 31
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3660' GR		9. OGRID Number 873
		10. Pool name or Wildcat EMPIRE ABO

12. 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 COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: RTP ☒

13. 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.

9-8-2011: RIH TO TOC @ 5651'. DO CMT TO CIBP @ 5680', RIH TO THE NEXT CIBP @ 5824', CIRC.
9-9-2011: PUMPED 15 BBLS TO ESTABLISH RATE 3 BPM @ 1100# PUMP 200 SKS 1% CALCIUM CHLORIDE SHUT DOWN W/ 25 BBLS LEFT IN TBG WASH UP. START BACK UP PUMPED 15 BBLS 1% KCL WTR, PUMP 100 SKS 2% CALCIUM CHLORIDE FOLLOWED BY 100 SKS CLASS C NEAT SD WASHED UP STAGED IN 5 BBLS PRESS UP TO 1500# DROPPED 200# IN 5 MIN CONTINUED TO PRESS BACK UP UNTILL IT LOCKED UP @ 1500# STING OUT REVERSE OUT 18 BBLS CMT CIRC CLEAN. DO RETAINER & 10' OF CMT CIRC CLEAN. DRILL OUT 120' CMT TO CIBP @ 5824' CIRC CLEAN. TST-GOOD.
9-14-2011: RIH DO CIBP @ 5824' & 9' CMT. CONT TO DO CMT @ 5836'. DO CMT TO 5868', CONT TO DO CMT TO CIRC @ 5930', RIH DO CIRC @ 5930' DO 151' CMT TO CIBP @ 6080'.
9-19-2011: RIH W/ 3-1/8" GUNS PERF 5906'-5912', 5918'-5926', 5932'-5936', 5970'-5975', 6006'-6028', 6028'-6048'. W/2-JSPF.
9-22-2011: RIH W/ 2 3/8" SN 2 3/8" TK-99 BLAST JOINT, 2-2 3/8 X 10' SUBS 9 JTS 2 3/8" J-55 TBG, 4 1/2" X 2 3/8" TAC, & 176 JTS 2 3/8" J-55 TBG. ETD @ 6040' RKB. SN @ 6040' RKB. SET TAC @ 5720' RKB.
10-7-2011: START PRODUCING.

Spud Date:

Rig Release Date:

RECEIVED
FEB 15 2012
NMOCD ARTESIA

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

SIGNATURE Bev Hatfield TITLE Sr. Staff Engineering Tech DATE 10/25/2011

Type or print name Bev Hatfield E-mail address: beverly.hatfield@apachecorp.com PHONE: 432-818-1906

For State Use Only

APPROVED BY: [Signature] TITLE Dr. J. P. Spenser DATE 02/02/12

Conditions of Approval (if any):

GL=3660'
KB=3671'
Spud: 5/18/60

Apache Corporation – Empire Abo Unit #F-31

Wellbore Diagram – Current Status

Date : 10/25/2011
S. Hardin

API: 30-015-01692

Surface Location



1980' FNL & 2130' FEL, Unit G
Sec 33, T17S, R28E, Eddy County, NM

Surface Casing

8-5/8" 24# K-55 @ 1000' w/650 sx to Surface

8/74: perf 1248'-1249'

TAC @ 5720'
SN @ 6040'

TUBING DETAIL

Qty	Description	Length	Depth
184	2-3/8" J-55 8rd EUE 4.7#	5984'	6040'

Hole Size
=11"

Hole Size
=7-7/8"

CTI in 74'

CTP in 96'

TA'D in 04'
RWTP in '11

6/97: Perf Abo @ 5734'-5796' w/ 2 JSPF 1500 gal 15% NEFE acid;
frac w/ 15,000 gal 20% Vis Pentol acid @ 12 BPM
9/11: Sqzd w/ 100 sx 2% c alcium chlordin & 100 sx Class C Neat

6/97: Perf Abo @ 5810'-5860' w/ 2 JSPF
1500 gal 15% NEFE acid

8/74: Perf Abo @ 5828'-5887' w/ 10 holes
440 gal 15% XW-35 acid; 4000 gal P121; 30,000 gal Super X acid
Sqzd in 90' w/ 600 sx

9/11: Perf Upper Abo @ 5906'-12', 5918'-26', 5932'-36', 5970'-75', 6006'-
28', 6028'-48' w/ 2 JSPF
Acidize w/ 5000 gals 15% HCL NEFE

CIBP @ 6080' in 97'

6/60: Perf Abo @ 6107'-6134' w/ 2 JSPF
6000 gal 15% LST acid
Restimulated in 90' w/ 4000 gal acid

Production Casing

4-1/2" 9.5# & 11.6# J-55 @ 6175' w/800 sx
CMT 3200' FS

PBTD = 6080'
TD =6175'

