

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

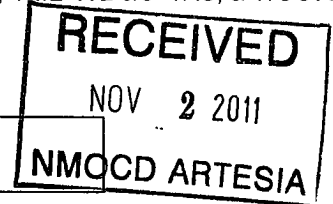
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NO. 30 015 01692
1. Type of Well: <input checked="" type="checkbox"/> Well <input type="checkbox"/> 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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input 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"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: RTP <input checked="" type="checkbox"/>	

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:

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: T. C. Shepard TITLE Geologist DATE NOV 07 2011

Conditions of Approval (if any):

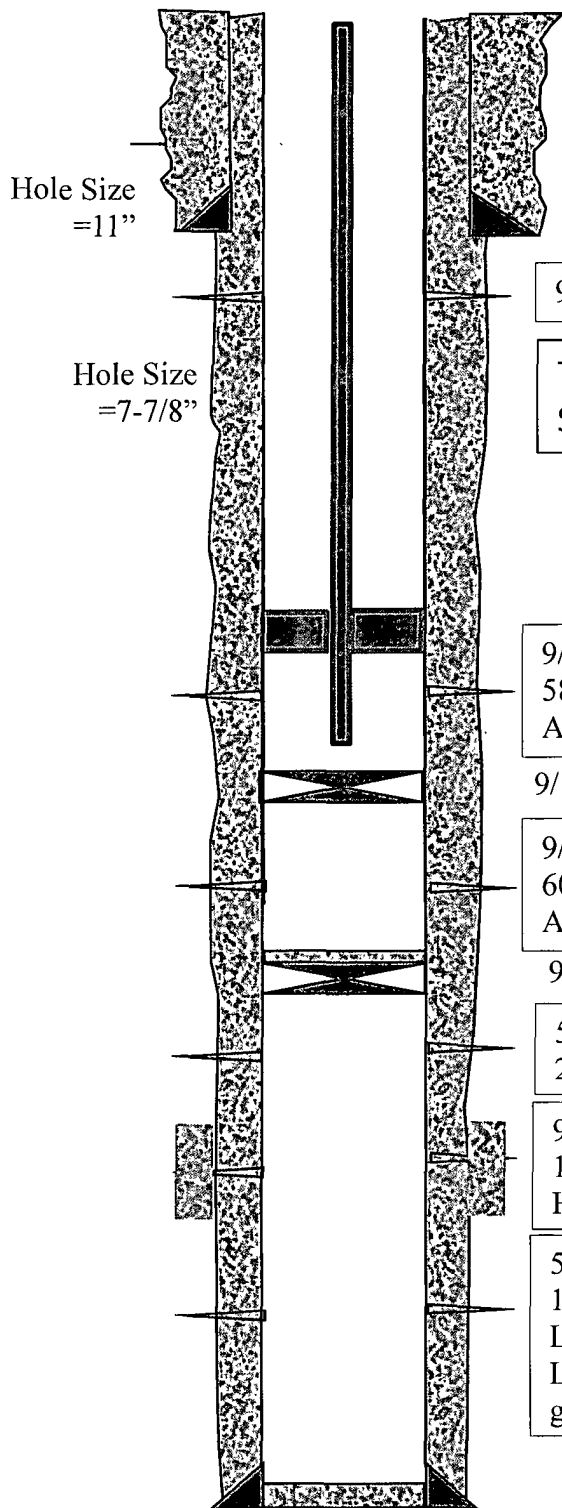
GL=3663'
KB=3674'
Spud: 8/24/78

Apache Corporation – Empire Abo Unit #H-281

Wellbore Diagram – Current Status

API: 30-015-22597

Date: 10/25/2011
S. Hardin



Surface Location

200' FSL & 660' FWL, Unit P
Sec 32, T17S, R28E, Eddy County, NM

Surface Casing

8-5/8" 24# K-55 @ 600' w/ 330 sx to surface

9/78: Perf & Sqz cement to surface @ 2800'

TAC @ 5757'
SN @ 5917'

TUBING DETAIL

Qty	Description	Length	Depth
180	2-7/8" J-55 8rd EUE 6 5#	5871'	5917'

9/11: Perf Upper Abo @ 5776'-88', 5800'-14', 5828'-34', 5838'-48', 5863'-69', 5876'-96', 5902'-06', 5914'-20' w/ 2 JSPF, 160 holes
Acidized w/ 4000 gals 15% HCL NEFE

9/11: CIBP @ 5940'

9/11: Perf Upper Abo @ 5954'-64', 5974'-84', 5988'-6006', 6016'-22', 6044'-50', 6074'-86' w/ 2 JSPF, 124 holes
Acidized w/ 3070 gals 15% HCL NEFE

9/11: CIBP @ 6105' w/ 3 sx cmt on top

5/97: Perf Abo @ 6119'-6156' w/ 2 JSPF
2000 gals 15% NEFE

9/78: Perf Abo @ 6169'-6189' w/ 2 JSPF
150 gals 15% NCL-NE-FE, 1000 gal gelled LC, 1500 gals 10# 15# HCL-NE-FE acid. Sqzd w/ 100 sxs

5/80: Perf Abo @ 6252'-6262' w/ 2 JSPF
150 gals 15% HCL-LST-NE-FE, 1000 gal gelled CaCl₂, 1000 gals LO, 1000 gals 15% HCL-LST-NE-FE. Re-acidize w/ 150 gals 15% LSTNE-FE-HCL, 1000 gals gelled CaCl₂, 1000 gal gelled LO, 2000 gals 15% HCL-LST-NE-FE

Production Casing

5-1/2" 15.5# K-55 @ 6330' w/635 sxs
DV @ 2988' w/ 580 sxs to surface

PBTD = 5940'
TD = 6330'