

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
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 July 18, 2013

WELL API NO. 30-015-02602
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-2715-1
7. Lease Name or Unit Agreement Name Empire Abo Unit (309164)
8. Well Number 026D
9. OGRID Number 873
10. Pool name or Wildcat Empire; Abo (22040)

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.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Apache Corporation	
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705	
4. Well Location Unit Letter <u>F</u> : <u>1650</u> feet from the <u>North</u> line and <u>1650</u> feet from the <u>West</u> line Section <u>05</u> Township <u>18S</u> Range <u>28E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3657' GL	

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"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <u>WO w/ Contingency to TA</u> <input checked="" type="checkbox"/>		OTHER: <input 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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to perform the following work: Producing Interval: 5,969-6,245'. Objective: Isolate open perms, add perms and acidize Procedure: (1) POOH with rods and tbg. (2) Scan tbg and lay down any worn jts. (3) Rig up wireline. (4) RIH with CIBP and set it @ 5,955' (5) Add perms (4spf 60° phasing) • 5,802-08' • 5,893-98' (6) RIH with Model R packer and test tbg to 80%. (7) Set packer @ 5,780' (8) Acidize well with 500 gallons of 15% NEFE. (9) Swab test well, if commercial amount of hydrocarbons are present proceed to step 10. Otherwise skip to step 13. (10) POOH with packer. (11) RIH with tbg and rods. (12) Return well to production. (13) Rig up wireline. (14) Set CIBP @ 5,750' w/ 35' cmt. (15) Circulate fluid in the well and pressure test casing to 500 psi to TA well.

Empire Abo Unit is a former gas injection project. We are actively exploring feasibility of re-pressuring for water flood purposes. This evaluation involves extensive geology and engineering review of the entire unit. Without the proper geological analysis, we stand a chance to lose valuable resources by prematurely plugging the well at this time. We anticipate complete review by end of year 2017.

NM OIL CONSERVATION
ARTESIA DISTRICT

Spud Date:

11/28/1959

Rig Release Date:

JAN 26 2017

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

SIGNATURE

Isabel Hudson

TITLE Regulatory Analyst

DATE 01/23/2017

Type or print name Isabel Hudson

E-mail address: isabel.hudson@apachecorp.com

PHONE: (432) 818-1142

For State Use Only

APPROVED BY:

Raymond M. Padany

TITLE

Geologist

DATE

3-6-2017

Conditions of Approval (if any):

January 21, 2017

Empire ABO Unit # J-26

Legal Name: Empire ABO Unit # 026D

API # 30-015-02602

Eddy County, NM

Producing Interval: 5,969-6,245'

Objective: Isolate open perfs, add perfs and acidize

Procedure:

1. POOH with rods and tbg
2. Scan tbg and lay down any worn jts
3. Rig up wireline
4. RIH with CIBP and set it @ 5,955'
5. Add perfs (4spf 60° phasing)
 - 5,802-08'
 - 5,893-98'
6. RIH with Model R packer and test tbg to 80%
7. Set packer @ 5,780'
8. Acidize well with 500 gallons of 15% NEFE
9. Swab test well, if commercial amount of hydrocarbons are present proceed to step 10.
Otherwise skip to step 13.
10. POOH with packer
11. RIH with tbg and rods
12. Return well to production
13. Rig up wireline
14. Set CIBP @ 5,750' w/ 35' cmt
15. Circulate fluid in the well and pressure test casing to 500 psi to TA well

Apache Corp.
Actual

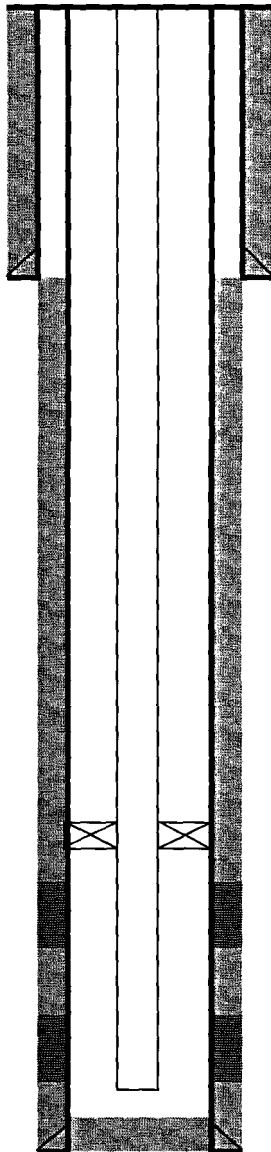
LEASE/UNIT: Empire Abo Unit
WELL: J-26
API NUMBER: 30-015-02602
LEGAL DESCRIPTION: Sec 5, T18S, R28E
FIELD: Empire (BP)

DATE: Nov. 03, 2016
BY: HJG
COUNTY: Eddy
STATE: New Mexico

Spud: 11/28/59
Rig Release: 12/30/59

KB =
GL = 3657'

11"



8-5/8" 24# J-55 Set @ 959'
CMT 370 SX CIRC/SURF

5-1/2" 15.5# J-55 Set @ 6265'
CMT W/ 150 SX TOC @ 5190' (TS)
7/79: Perf @ 5150-51 (2 SPF) - CMT SQZ w/1500 SX (TOC @ 959')

7-7/8"

2 7/8 TBG
TAC @ 5900'
SN @ 6248'

ABO (2/12)
Perf: 5969-80, 6018-30, 6080-95' (2 SPF; 76 holes)
3/12: Az w/ 2394 gals 15% HCl

ABO (12/59)
Perf: 6220-45' (4 SPF)
12/59: Washed w/ 150 gal MCA
2/12: Az w/ 1300 gals 15% NEFE & 1000# RS

TD = 6265'
PBTD = 6262'

Formation Tops:
Queen -
Grayburg -
San Andres - 2100
Glorieta -
Abo - 6108