

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW 06/19/2015
⁴ API Number 30-015-42762	⁵ Pool Name FREN; GLORIETA-YESO	⁶ Pool Code [26770]
⁷ Property Code [308711]	⁸ Property Name CROW FEDERAL	⁹ Well Number 40H

II. ¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	3	17S	31E		2208	FSL	10	FWL	EDDY

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	4	17S	31E		2178.4	FSL	331.1	FWL	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 06/19/2015	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
15694	Navajo Refining Co P/L Division PO Box 159 Artesia NM 88211	O
22115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G

IV. Well Completion Data

²¹ Spud Date 03/13/2014	²² Ready Date 06/19/2015	²³ TD 9989'	²⁴ PBDT 9989'	²⁵ Perforations 5635-9989	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375 H40	608	710 sx Class C		
12.25	9.625 J55	3500	1410 sx Class C		
7.875	5.5 L80	9968	865 sx Class C		
TUBING	2.875	4720			

V. Well Test Data

³¹ Date New Oil 06/19/2015	³² Gas Delivery Date 06/19/2015	³³ Test Date 07/06/2015	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 290	³⁹ Water 1932	⁴⁰ Gas 199		⁴¹ Test Method P

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Emily Follis*
Printed name:
EMILY FOLLIS

Title:
Regulatory Analyst I

E-mail Address:
EMILY.FOLLIS@apachecorp.com

Date:
07/20/2015

Phone:
432-818-1801

OIL CONSERVATION DIVISION

Approved by: *APDade*

Title: *Dist. H. Spencer*

Approval Date: *7-24-15*

Pending BLM approvals will
subsequently be reviewed
and scanned *LD*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMLC029426B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
CROW FEDERAL 40H9. API Well No.
30-015-4276210. Field and Pool, or Exploratory
FREN;GLORIETA-YESO(26770)11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
APACHE CORPORATIONContact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com3a. Address
303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-1801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 3 T17S R31E NWSW 2208FSL 10FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Apache completed the well as follows: RR 03/24/2015 TOC @125'
04/27/15 MIRU FRAC TANKS& ACID TANKS,RU FRAC STACKS
05/02/15 1560 BBL OF FW IN ACID TANKS FOR ACID PREP
05/03/15 UNLOAD ACID RU WATER TRANSFER 3500'-5620' NOT TREATED-NOT FRAC'D
05/04/15 FINISH WATER TRANSFER/TEST FOR LEAKS, WAITING ON ELITE TO MIRU
FRAC 5620'-9989' TD 9989'
PACKERS 5620',5635',5867',6144',6421',6708',6982',7254',7528',8078',8351',8624',8890',
9167',9441',9721', (16 STAGES)
TOTAL ACID 113,652 BBL
TOTAL SAND #3,045,600

05/05/15 RDMO FRAC to Crow Federal 41H

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 23 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #309690 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) EMILY FOLLIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/20/2015


THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Pending BLM approvals will
subsequently be reviewed
and scanned Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

any department or agency of the United

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #309690 that would not fit on the form

32. Additional remarks, continued

06/04/15 MIRU, RACK & TALLY 5000' NEW 2 7/8" J-55 TBG, NU 5K SPOOL, HYDRAULIC BOP & ANNULAR, RU GE SPOOLERS, RIH W/SENSOR, MOTOR, SEALS, VEE PUMPS, 3 1/2" X 2 7/8" XO ON TBG, CABLE HUNG ON SLIPS, FIELD SPLICE @ 2379', CONT RIH, RD SPOOLERS, LAND HANGER, EOT @ 4720', ND SPOOL, BOP & ANNULAR, RDMO

06/20/15 INSTALL DRIVES ELECTRIC. PLUMB WELL TO BATTERY. START PROD TO BATTERY.
FINAL REPORT

NOTES:GAPS IN DATES ARE DUE TO PAD DRILLING PROCESSES AND SURROUNDING AEA WATER ISSUES, WHICH HAVE DELAYED COMPLETION OPERATIONS

NM OIL CONSERVATION
ARTESIA DISTRICT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029426B1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
APACHE CORPORATION Contact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com8. Lease Name and Well No.
CROW FEDERAL 40H3. Address 303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 797073a. Phone No. (include area code)
Ph: 432-818-18019. API Well No.
30-015-42762

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Sec 3 T17S R31E Mer
NWSW 2208FSL 10FWLAt top prod interval reported below Sec 4 T17S R31E Mer
NWSW Lot L 2178FSL 331.FWL

At total depth Sec 4 T17S R31E Mer

NWSW Lot L 2178FSL 331FWL

10. Field and Pool, or Exploratory
FREN;GLORIETA-YESO(26770)11. Sec., T., R., M., or Block and Survey
or Area Sec 3 T17S R31E Mer12. County or Parish
EDDY13. State
NM14. Date Spudded
03/13/201515. Date T.D. Reached
03/24/201516. Date Completed
☐ D & A ☒ Ready to Prod.
06/19/201517. Elevations (DF, KB, RT, GL)*
3939 GL18. Total Depth: MD
TVD 998919. Plug Back T.D.: MD
TVD20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR-CNL-CBL-MWD GAMMA22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	608		710			
12.250	9.625 J55	40.0	0	3500		1410			
7.875	5.500 L80	20.0	0	9967		865			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4720							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	4996		3500 TO 5620			OPEN HOLE ISOLATED-NON FRA
B)			5620 TO 9989			OPEN HOLE PRODUCING
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5620 TO 9989	2843 BBL ACID & 3,166,531 #SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/19/2015	07/06/2015	24	→	290.0	199.0	1932.0	37.0		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→				686	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

Pending BLM approvals will
subsequently be reviewed
and scanned

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #309694 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	565	711	ANHYDRITE, DOLOMITE W	RUSTLER	565
SALADO	711	1766	ANHYDRITE, DOLOMITE W	SALADO	711
TANSIL	1766	1899	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1766
YATES	1899	2180	SANDSTONE O/G/W	YATES	1899
SEVEN RIVERS	2180	2794	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	2180
QUEEN	2794	3208	SS, DOLO, LIMESTONE O/G/W	QUEEN	2794
GRAYBURG	3208	3534	DOLO, SS, LIMESTONE O/G/W	GRAYBURG	3208
SAN ANDRES	3534	4996	DOLO, SS, LIMESTONE O/G/W	SAN ANDRES	3534

32. Additional remarks (include plugging procedure):

GLORIETA 4996 - 5067 SANDSTONE O/G/W
PADDOCK 5067 - TD DOLOMITE O/G/W
BLINEBRY DOLOMITE O/G/W
TUBB SANDSTONE O/G/W

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #309694 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) EMILY FOLLIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/20/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****