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

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland TX 79705	873
	[3] Reason for Filing Code/ Effective Date NW / 11/18/2014

[4] API Number	[5] Pool Name	[6] Pool Code
30-01542142	FREN; GLORIETA-YESO	26770

[7] Property Code	[8] Property Name	[9] Well Number
308711	CROW FEDERAL	037H

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	3	17S	31E		995	FSL	525	FWL	EDDY

[11] 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
P	3	17S	31E		986	FSL	337	FEL	EDDY

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	P	11/18/2014			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia, NM 88210	O

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 16 2015
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IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
06/07/2014	11/18/2014	10,009' 5871	9980'	6166'-9834'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17.5	13-3/8"	658'	920 sx Class C
12.25	9-5/8"	6507'	1410 sx Class C
7.875	5.5	10,002'	765 sx Class C
Tubing	2-7/8	5163'	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
11/18/2014	11/18/2014	11/30/2014	24 hrs		
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
	121	2687	66		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: Reg Analyst I

E-mail Address: emily.follis@apachecorp.com

Date: 12/04/2014

Phone: 432-818-1801

OIL CONSERVATION DIVISION

Approved by: [signature]

Title: Dist II Supervisor

Approval Date: 1-26-15

Pending BLM approvals will subsequently be reviewed and scanned

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMLC029426B

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
CROW FEDERAL 037H

2. Name of Operator
APACHE CORPORATION
Contact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com

9. API Well No.
30-015-42142

3a. Address
303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432-818-1801

10. Field and Pool, or Exploratory
FREN;GLORIETA-YESO<26770>

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 3 T17S R31E SESE 995FSL 525FWL

11. County or Parish, and State
EDDY CO COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Production Start-up
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 this well as follows:
08/06/2014 MIRU LOG-ETOC 2: WILL MIRUSU @LATER DATE
08/27/2014 RIH W/MILL & TBG
08/28/2014 RIH W/ MILL & BRUSH
08/29/2014 RIH W/ SHIFTING TOOL & PACKER/SLEEVES
10/10/2014
FRAC STAGE # 6 PUMPED 120 BBLS 15 % ACID, 3.50 OD BALL DROP W/ ACID, OPEN PORT W/3873 # PSI, 71,685 # 100 MESH FRAC PROPANT, 69,957 # 40/70 FRAC PROPANT, 39,172 # RESIN COATED FRAC PROPANT, 302 BBLS FLUSH, FRAC STAGE # 7 PUMPED 120 BBLS 15 % ACID, 3.625 OD BALL DROP W/ ACID, OPEN PORT W/3887 # PSI, 71,379 # 100 MESH FRAC PROPANT, 71,142 # 40/70 FRAC PROPANT, 39,466 # RESIN COATED FRAC PROPANT, 249 BBLS FLUSH, FRAC STAGE # 8 PUMPED 120
BBLS 15 % ACID, 3.750 OD BALL DROP W/ ACID, OPEN PORT W/ 3874 # PSI, 70,560 # 100 MESH FRAC

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #284741 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 12/10/2014

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 to n... any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

Additional data for EC transaction #284741 that would not fit on the form

32. Additional remarks, continued

PROPANT, 71,596 # 40/70 FRAC PROPANT, 39,094 # RESIN COATED FRAC PORPANT, 253 BBLS FLUSH, FRAC STAGE # 9 PUMPED 120 BBLS 15 % ACID, 3.875 OD BALL DROP W/ ACID, OPEN PORT W/4045# PSI, 71,178 # 100 MESH FRAC PROPANT, 71,182 # 40/70 FRAC PROPANT 40,570 # RESIN COATED FRAC PROPANT, 199 BBLS FLUSH, WELL IN & SHUT DOWN FOR NIGHT OPEN PORT ON STAGE # 10 PUMPED 120 BBLS 15 % ACID, 4.00 OD BALL DROP W/ ACID, OPEN PORT W/ 3598 # PSI, DISPLACE ACID W/300 BBLS SLICK WATER, SHUT FRAC STAGE # 10 PUMPED 120 BBLS 15 % ACID, DROP 4.00 BALL W/ ACID, OPEN SLEEVE W/3598 # PSI, 71,584 # 100 MESH FRAC PROPANT, 68,870 # 40/70 FRAC PROPANT, 42,821 # RESIN COATED FRAC PORPANT, 230 BBLS FLUSH FRAC STAGE # 11 PUMPED 120 BBLS 15 % ACID, DROP 4.125 BALL W/ ACID, OPEN SLEEVE W/ 3682 # PSI, 68,517 # 100 MESH FRAC PROPANT, 68,846 # 40/70 FRAC PROPANT, 40,038 # RESIN COATED FRAC PORPANT, 224 BBLS FLUSH FRAC STAGE # 12PUMPED 120 BBLS 15 % ACID, DROP 4.250 BALL W/ ACID, OPEN SLEEVE W/ 4196 # PSI, 69,692 # 100 MESH FRAC PROPANT, 69,906 # 40/70 FRAC PROPANT, 38,916 # RESIN COATED FRAC PORPANT, 215 BBLS FLUSH, FRAC STAGE # 13 PUMPED 120 BBLS 15 % ACID, DROP 4 .375 BALL W/ ACID, OPEN SLEEVE W/ 4147 # PSI, 67,530 # 100 MESH FRAC PROPANT, 71,038 # 40/70 FRAC PROPANT, 39,976 # RESIN COATED FRAC PORPANT, 221 BBLS FLUSH

10/24/2014

MIRU SURFACE EQUIPMENT AND BEGIN TIH W/ 4,50 MILL,BIT SUB, X/O, AND TBG, 2 7/8 PH-6, TAGGED UP ON PORT # 1 AT 6167, DRILL OUT PORT # 1 RUN SWEEP, RUN IN AND OUT OF PORT FOR PROPER CLEARANCE, RIH TO PORT # 2 AT 6487, DRILL OUT PORT # 2, RUN SWEEP, RUN IN AND OUT OF PORT FOR PROPER CLEARANCE, CIRCULATE, RIH TO PORT # 3 AT 6815, DRILL OUT PORT #3, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL TO ENSURE PROPER CLEARANCE, RIH TO PORT # 4 AT 7142, DRILL OUT PORT # 4, RUN SWEEP, RUN IN AND OUT OF PORT FOR PROPER CLEARANCE, RIH TO PORT # 5 AT 7453, DRILL OUT PORT # 5, RUN SWEEP, RUN IN AND OUT OF PORT TO ENSURE PROPER CLEARANCE, CIRCULATE, RIH TO PORT # 6 AT 7768, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT TO ENSURE PROPER CLEARANCE, RIH TO PORT #7 AT 8088, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT TO ENSURE PROPER CLEARANCE, RIH TO PORT # 8 AT 8398, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL TO ENSURE PROPER CLEARANCE, RIH TO PORT # 9 AT 8705, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL TO ENSURE PROPER CLEARANCE, RIH TO PORT # 10 AT 9025, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL TO ENSURE PROPER CLEARANCE, CIRCULATE RIH TO PORT # 11 AT 9398, DRILL OUT PORT #11 RUN SWEEP, RUN MILL IN AND OUT OF PORT TO ENSURE PROPER CLEARANCE

10/25/2014: RIH TO FRAC PORT # 12 AT 9558, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL FOR PROPER ID, RIH TO PBTD OF 9980 CIRCULATE WELL
TOTAL PACKER SLEEVE ASSEMBLY INTERVAL = 6166?-9834?

11/4/2014 RIH W/165 JTS 2-17/8 J-55 TBG
11/5/2014 WELL HAD 159 JTS 2-7/8 RE-RAN TO 5163? RIH W/ SUBMERSIBLE
11/17/201 INSTALL DRIVE & ELEC - POP

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC029426B

1a. 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.com

8. Lease Name and Well No.: CROW FEDERAL 37H

3. Address: 303 VETERANS AIRPARK LANE SUITE 1000, MIDLAND, TX 79705

3a. Phone No. (include area code): Ph: 432-818-1801

9. API Well No.: 30-015-42142

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

At surface: SWSW 995FSL 525FWL

At top prod interval reported below: SWSW 995FSL 525FWL

At total depth: SESE 986FSL 337FEL

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 Mer

12. County or Parish: EDDY

13. State: NM

14. Date Spudded: 06/07/2014

15. Date T.D. Reached: 06/21/2014

16. Date Completed: ☐ D & A ☒ Ready to Prod. 11/18/2014

17. Elevations (DF, KB, RT, GL)*: 3927 GL

18. Total Depth: MD 10009 TVD

19. Plug Back T.D.: MD 9980 TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNGRCCL, SBGRCCL

22. 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	658		920		0	
12.250	9.625 J-55	36.0	0	3507		1410		0	
7.875	5.500 L-80	29.0	0	10002		765		125	

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	5163							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5081		6166 TO 9834			PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6166 TO 9834	1680 BBL ACID, 2,353,878# SAND, 3318 BBL FLUSH

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 16 2015
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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
11/18/2014	11/30/2014	24	→	121.0	66.0	2687.0	37.0		ELECTRIC PUMP SUB-SURFACE

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→				545	POW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Pending BLM approvals will subsequently be reviewed and scanned KRD

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

ELECTRONIC SUBMISSION #284118 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	600	743	ANHYDRITE	RUSTLER	600
SALADO	743	1790	SALT	SALADO	743
TANSILL	1790	1920	SANDSTONE	TANSILL	1790
YATES	1920	2193	SHALE,SILTSTONE,ANHYDRITE	YATES	1920
SEVEN RIVER	2193	2820	SHALE,SILTSTONE,ANHYDRITE,DOLO	SEVEN RIVER	2193
QUEEN	2820	3235	SILTSTONE,SANDSTONE,ANHYDRITE	QUEEN	2820
GRAYBURG	3235	3551	DOLOMITE,SILTSTONE,SANDSTONE	GRAYBURG	3235
SAN ANDRES	3551	5081	DOLOMITE,CHERT	GRAYBURG	3551

32. Additional remarks (include plugging procedure):
YESO(base glorieta) 5081 5190 DOLOMITE
PADDOCK 5190 DOLOMITE

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 #284118 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name *(please print)* EMILY FOLLIS Title REGULATORY ANALYST I

Signature (Electronic Submission) Date 12/04/2014

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 fradulent statements or representations as to any matter within its jurisdiction.

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