

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 3000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW / 03/11/2015
⁴ API Number 30-015-42594	⁵ Pool Name Cedar Lake; Glorieta-Yeso	⁶ Pool Code 96831
⁷ Property Code 308738	⁸ Property Name Tony Federal	⁹ Well Number 047

II. ¹⁰Surface Location

UI or lot no. I	Section 18	Township 17S	Range 31E	Lot Idn	Feet from the 1650	North/South Line South	Feet from the 1040	East/West line East	County Eddy
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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
¹² Lsc Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 03/11/2015	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
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 JUN 22 2015 RECEIVED		


IV. Well Completion Data

²¹ Spud Date 01/10/2015	²² Ready Date 03/11/2015	²³ TD 6500'	²⁴ PBDT 6450'	²⁵ Perforations 4586'-6292'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	320'	800 sx Class C		
11"	8-5/8"	3500'	1400 sx Class C		
7-7/8"	5-1/2"	6500'	925 sx Class C		
Tubing	2-7/8"	6378'			

V. Well Test Data

³¹ Date New Oil 03/11/2015	³² Gas Delivery Date 03/11/2015	³³ Test Date 05/06/2015	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 143	³⁹ Water 222	⁴⁰ Gas 359		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: 

Printed name:
Fatima Vasquez

Title:
Regulatory Analyst II


E-mail Address:
Fatima.Vasquez@apachecorp.com

Date:
06/18/2015


Phone:
(432) 818-1015

OIL CONSERVATION DIVISION

Approved by: 

Title: 

Approval Date:
7-2-15

Pending BLM approvals will
subsequently be reviewed
and scanned 

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.
NMLC029395A

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
TONY FEDERAL 472. Name of Operator
APACHE CORPORATIONContact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com9. API Well No.
30-015-425943a. Address
303 VETERANS AIRPARK LANE
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-180110. Field and Pool, or Exploratory
CEDAR LAKE; GLORIETA-YESO

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

Sec 18 T17S R31E NESE 1650FSL 1040FEL
32.831811 N Lat, 103.903959 W Lon11. County or Parish, and State
EDDY COUNTY, NM

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 recompleat 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:

01/27/2015 Log TOC @ 90' (CBL).

Stage 1 - Perf Blinbry/Tubb @ 5777'-6292' w/ 1 SPF, 23 holes.

01/28/2015 Spot 516 gals acid. Acidize w/ 3285 gals 15% HCl NEFE acid.

02/11/2015 Frac Blinbry/Tubb w/ 152,591 gals 20# XL, 200,100# 16/30 sand & 4513 gals 10# linear gel. Spot 1021 gals 15% HCl.

Stage 2 - Set CBP @ 5750'. Perf Paddock/Blinbry @ 5102'-5712' w/ 1 SPF, 32 holes. Acidize w/ 3768 gals 15% HCl. Frac w/ 171,509 gals 20# XL, 225,900# 16/30 sand & 3902 gals 10# linear gel. Spot 1021 gals 15% HCl.

Stage 3 - Set CBP @ 5070'. Perf Glorieta/Paddock @ 4586'-5036' w/ 1 SPF, 26 holes. Acidize w/ 3668 gals 15% HCl. Frac w/ 157,001 gals 20#XL, 218,000# 16/30 sand & 4641 gals 10# linear gel.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 22 2015

RECEIVED

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

Electronic Submission #305718 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 06/18/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Pending BLM approvals will
subsequently be reviewed
and scanned

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

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

Department or agency of the United

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

Additional data for EC transaction #305718 that would not fit on the form

32. Additional remarks, continued

02/20/2015 RIH w/ bit & tbg.
02/23/2015 Standby due to icy conditions.
02/24/2015 DO CBPs @ 5070' & 5750'. CO to PBD @ 6450'. Circ clean.
02/25/2015 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 6288'. ETD @ 6378'.
02/26/2015 Standby due to wind.
02/27/2015 Standby due to wind & icy conditions.
03/02/2015 RIH w/pump & rods. Clean location. RDMOSU.
03/13/2015 Set 640 pumping unit. POP.

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 22 2015

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

WELL COMPLETION OR RECOMPLETION REPORT

5. Lease Serial No.
NMLC029395A

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator APACHE CORPORATION			8. Lease Name and Well No. TONY FEDERAL 47		
3. Address 303 VETERANS AIRPARK LANE MIDLAND, TX 79705			9. API Well No. 30-015-42594		
3a. Phone No. (include area code) Ph: 432-818-1801			10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 1650FSL 1040FEL 32.831811 N Lat, 103.903959 W Lon At top prod interval reported below NESE 1650FSL 1040FEL 32.831811 N Lat, 103.903959 W Lon At total depth NESE 1650FSL 1040FEL 32.831811 N Lat, 103.903959 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R31E Mer		
14. Date Spudded 01/10/2015			15. Date T.D. Reached 01/18/2015		12. County or Parish EDDY
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/11/2015			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3703 GL			18. Total Depth: MD TVD 6500		
19. Plug Back T.D.: MD TVD 6450			20. Depth Bridge Plug Set: MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHCS-SGR/HI-RES LL/CNL/CAL/HNGR			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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		320		800		0	
11.000	8.625 J-55	32.0		3500		1400		0	
7.875	5.500 J-55	17.0		6500		925		90	

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	6378							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4577	4636	4586 TO 5036	1.000	26	PRODUCING
B) PADDOCK	4636	5121	5102 TO 5712	1.000	32	PRODUCING
C) BLINEBRY	5121	6083	5777 TO 6292	1.000	23	PRODUCING
D) TUBB	6083					

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4586 TO 5036	157,001 GALS 20# XL, 218,000# SAND, 3668 GALS ACID, 4641 GALS GEL
5102 TO 5712	171,509 GALS 20# XL, 225,900# SAND, 4789 GALS ACID, 3902 GALS GEL
5777 TO 6292	152,591 GALS 20# XL, 200,100# SAND, 4822 GALS ACID, 4513 GALS GEL

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
03/11/2015	05/06/2015	24	→	143.0	359.0	222.0	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	
							2510	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 Grav	Well :
			→						
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

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

ELECTRONIC SUBMISSION #305741 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	293	454	SANDSTONE/ANHYDRITE - N/A	RUSTLER	293
YATES	1474	2123	SANDSTONE - N/A	YATES	1474
SEVEN RIVERS	2123	2347	SS*/CARBONATE-OIL, GAS & WATER	SEVEN RIVERS	2123
SAN ANDRES	3063	4577	CARBONATE - OIL, GAS & WATER	SAN ANDRES	3063
GLORIETA	4577	4636	SANDSTONE - OIL, GAS & WATER	GLORIETA	4577
PADDOCK	4636	5121	DOLOMITE - OIL, GAS & WATER	PADDOCK	4636
BLINEBRY	5121	6083	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5121
TUBB	6083		SANDSTONE - OIL, GAS & WATER	TUBB	6083

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 06/16/2015.

Tansil Salt 454'-1304' Salt - N/A
 Bottom Salt 1304'-1474' Salt - N/A
 Queen 2347'-3063' SS / Carbonate - Oil, Gas & Water
 Tubb - didn't drill far enough to get bottom depth of Tubb.

*SS - Sandstone

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 #305741 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 06/18/2015

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 ****