

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/05/23/2014
⁴ API Number 30-015-41419	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code 96831
⁷ Property Code 308738	⁸ Property Name TONY FEDERAL	⁹ Well Number 056

II. ¹⁰ Surface Location

UL or lot no. E	Section 19	Township 17S	Range 31E	Lot Idn 2	Feet from the 1690	North/South Line NORTH	Feet from the 990	East/West line WEST	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 Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 05/23/2014	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 NOV 21 2014 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 04/08/2014	²² Ready Date 05/23/2014	²³ TD 3598'	²⁴ PBDT 6350'	²⁵ Perforations 4592'-6209'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
13-3/8"	17-1/2"	340'	460 sx Class C		
8-5/8"	11"	3535'	1105 sx Class C		
5.5"	7-7/8"	6408'	940 sx Class C		
Tubing	2-7/8"	6300'			

V. Well Test Data

³¹ Date New Oil 05/23/2014	³² Gas Delivery Date 05/23/2014	³³ Test Date 09/11/2014	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 245	³⁹ Water 140	⁴⁰ Gas 536		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:
Paige Futrell

Title:
Regulatory Analyst I

E-mail Address:
Paige.Futrell@apachecorp.com

Date:
11/19/2014

Phone:
432-818-1893

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

[Signature]

[Signature]

12/18/14

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
TONY FEDERAL 562. Name of Operator
APACHE CORPORATIONContact: PAIGE FUTRELL
E-Mail: paige.futrell@apachecorp.com9. API Well No.
30-015-414193a. Address
303 VETERANS AIRPARK LN
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-189310. Field and Pool, or Exploratory
CEDAR LAKE; GLORIETA-YESO

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

Sec 19 T17S R31E SWNW 1690FNL 990FWL
32.822617 N Lat, 103.913672 W Lon

11. County or Parish, and State

EDDY COUNTY 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 checked="" type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recompleat 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 followed: (RR: 04/19/2014)

04/30/2014: Run log from PBTD to TOC (CBL). ETOC @Surface. Perf lower Blinbry
Tubb @ 5683,5708,25,56,75,5811,31,56,78,5900,30,53,68,6005,41,57,88
6114,38,76,90 & 6209 w/ 1 SPF 25 holes.

05/01/2014: RIH w/ PKR to 5557'.

05/02/2014: Spot 546 gal acid across perfs. Acidize Lower Blinbry/Tubb @5683'-
6209' w/ 3318 gals 15% HCL NEFE acid w/ 110 gal FCW-385 scale
inhibitor & 55 gals CRW-172 corrosion inhibitor. Release PKR.05/07/2014: Stage 1: Frac lower Blinbry/Tubb @ 5683-6209 w/ 161,154 gal 20#,
4662 gal 10# linear gel, 162,514# 16/30 brown, 37,746# siber prop
(total prop =200,260#). Stage 2: Set CBP@ 5660'. Perf Upper Blinbry**NM OIL CONSERVATION**

ARTESIA DISTRICT

NOV 21 2014

RECEIVED

Accepted for record
NMOCDB/8/14

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

Electronic Submission #280545 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad

Name (Printed/Typed) PAIGE FUTRELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/19/2014

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

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

or the United

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

Additional data for EC transaction #280545 that would not fit on the form

32. Additional remarks, continued

@5141, 58, 80, 86, 5226, 45, 74, 95, 5317, 46, 58, 83, 5405, 21, 32, 53, 65, 80, 5502, 24, 48, 72, 94, & 5618 w/ 1 SPF 24 holes. Stage 2 acid job: pump 4494 gal 15% HCL. Frac stage 2 w/ 147,840 gal 20#, 4998 gal 10 # linear gel, 163,730# 16/30 brown, 34,664# siber prop (total prop 198,394# spot 1134 gal 15% HCL. Stage 3: Set CBP@ 5110'. Perf Paddock/Glorieta @ 4592, 4612, 32, 52, 62, 78, 97, 4727, 44, 56, 79, 96, 4824, 48, 77, 93, 4918, 32, 53, 65, 90, 5013, 28, & 5049 w/ 1 SPF 22 holes. Stage 3 acid job: Pump 4998 gal 15% HCL. Frac stage 3 w/ 130,830 gal 20#, 4410 gal 10 # linear gel, 131,065# 16/30 brown, 51,8203# 16/30 siber prop. Total prop 182,885#.

05/12/2014: ND goathead, frac valve, & frac spool. NU prod spool & BOP.
05/13/2014: DO CBP @5110' & 5660'. Wash sand to PBTD @6350'.
05/14/2014: RIH w/ 2-7/8" J-55 6.5# prod tbg EOT @ 6300', SN @ 6209'.
05/15/2014: RIH w/ pump & rods. Clean location & RDMOSU.
05/22/2014: Set new Ampscot 640 PU. Start prod to Tony Fed Batt. POP.

NM OIL CONSERVATION

ARTESIA DISTRICT

NOV 21 2014

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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			Contact: PAIGE FUTRELL E-Mail: paige.futrell@apachecorp.com		
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705			3a. Phone No. (include area code) Ph: 432-818-1893		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW Lot 2 1690FNL 990FWL 32.822617 N Lat, 103.913672 W Lon At top prod interval reported below SWNW Lot 2 1690FNL 990FWL 32.822617 N Lat, 103.913672 W Lon At total depth SWNW Lot 2 1690FNL 990FWL 32.822617 N Lat, 103.913672 W Lon			8. Lease Name and Well No. TONY FEDERAL 56		
14. Date Spudded 04/08/2014			15. Date T.D. Reached 04/18/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/23/2014			9. API Well No. 30-015-41419		
18. Total Depth: MD TVD 6408			19. Plug Back T.D.: MD TVD 6350		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory CEDAR LAKE, GLORIETA-YESO		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHPL, HI-RES LL, SGR, BHCS-SGR, CN			11. Sec., T., R., M., or Block and Survey or Area Sec 19 T17S R31E Mer		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3669 GL			16. Date Completed 05/23/2014		

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 H-40	40.0	340			460		0	
11.000	8.625 J-55	32.0	3535			1105		0	
7.875	5:500 J-55	17.0	6408			940		0	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6300							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	4592	6209	4592 TO 6209	1.000	71	PRODUCING
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
4592 TO 6209	15,330 ACID, 576,539# SAND, 14,070 GAL 10# GEL, 439,824 GAL 20#

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/23/2014	09/11/2014	24	→	245.0	536.0	140.0	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	
			→				2188	POW	

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		
			→						

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

ELECTRONIC SUBMISSION #280538 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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

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
YATES	1377	1671	SANDSTONE/NA	YATES	1377
SEVEN RIVERS	1671	2317	ANHYDRITE,DOL*/G	SEVEN RIVERS	1671
GRAYBURG	2788	3059	DOL*, SANDSTONE/G,W*	GRAYBURG	2788
SAN ANDRES	3059	4579	CARBONATE/O,G,W*	SAN ANDRES	3059
GLORIETA	4579	4638	SS*/O,G,W*	GLORIETA	4638
PADDOCK	4638	5120	DOLOMITE/ O,G,W	PADDOCK	4638
BLINEBRY	5120	6189	DOLOMITE/ O,G,W	BLINEBRY	5120
TUBB	6189		SS* / O,G,W*	TUBB	6189

32. Additional remarks (include plugging procedure):
Formation tops continued:

Didnt drill deep enough for bottom of the Tubb.
Rustler: 265'-411' Sandstone, anhydrite/NA
Tansil Salt: 1152' Sandstone, anhydrite/NA
Bottom Salt: 1377' Sandstone, anhydrite/NA
Queen: 2317'-2788' Dolomite/Gas
There is not a base salt.

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 #280538 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) PAIGE FUTRELLTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 11/19/2014

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

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

Additional data for transaction #280538 that would not fit on the form

32. Additional remarks, continued

SS*: Siltstone
Dol*: Dolomite
O,G,W*: Oil, Gas, Water

Attachments- Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 05/21/2014.