

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 / 06/05/2014
⁴ API Number 30-01541989	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code 96831
⁷ Property Code 308738	⁸ Property Name TONY FEDERAL	⁹ Well Number 48

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	18	17S	31E		1650	FSL	800	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
L	18	17S	31E		1650	FSL	990	FWL	EDDY

¹² Lse Code	¹³ Producing Method Code P	¹⁴ Gas Connection Date 06/05/2014	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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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 RECEIVED		

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
04/18/2014	06/05/2014	6416	6370	4586-6276	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375 H-40 48#	335'	610 sx Class C		
11	8.625 J-55 32#	3508'	1380 sx Class C		
7.875	5.5 J-55 17#	6376'	920 sx Class C		
Tubing	2.875 J-55 EUE 8RD 6.5#	4487.22			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
06/05/2014	06/05/2014	06/29/2014	24 hrs		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	75	149	224	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 Jellis*

Printed name:
Emily Jellis
Title:
Regulatory Analyst I

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

Date:
01/09/2015

Phone:
432-818-1801

OIL CONSERVATION DIVISION	
Approved by: <i>RD Dado</i>	Title: <i>Dist. & Supervisor</i>
Approval Date: <i>2/4/15</i>	
Pending BLM approvals will subsequently be reviewed and scanned <i>AD</i>	

DAL?

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.

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. TONY FEDERAL 48
2. Name of Operator APACHE CORPORATION		9. API Well No. 30-015-41989
3a. Address 303 VETERANS AIRPARK LANE, SUITE 1000 MIDLAND, TX 79705		10. Field and Pool, or Exploratory CEDAR LAKE:GLORIETA-YESO
3b. Phone No. (include area code) Ph: 432-818-1801		11. County or Parish, and State EDDY COUNTY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T17S R31E NWSW 1650FSL 800FWL		

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 Production Start-up
	<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 has completed the well as follows 3160-4
04/30/2014 rig release-log perf perf lower blinbry/tubb 5856-6202, 18 holes 37"-42"
05/19/2014 Stage 1 Frac Lower Blinbry perf 18 holes 37"-42" 5856-6276', #10 gel 77 bbl, #20 gel 2939, acid 116bbl, acid 90bbl, 16/30 proppant 149,900#

Stage #2 Frac Blinbry 5102-5758 perf 25 holes 37"-42" ,#10 gel 94 bbl, #20 gel 94 bbl, ACID 115 BBL, PROPPANT 16/30 243,453#

Stage #3 Frac Paddock,perf 24 holes 37"-42",4586-5050, #10 gel 103 bbl, #20 gel 3868, 16/30 proppant 20,558#

05/23/2014 PREP TO DO CBP'S

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

**Electronic Submission #287653 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ANALYST I
Signature (Electronic Submission)	Date 01/12/2015

THIS SPACE FOR FEDERAL OR STATE

Approved By _____	Title _____	Date _____
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 <i>MS</i>	
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.		

Additional data for EC transaction #287653 that would not fit on the form

32. Additional remarks, continued

05/27/2014 SD SI WELL, SDFN PREP TO POOH W/TBG & BIT RIH W/PROD EQUIP
05/28/2014 RIH W/PUMP & RODS, BUILD WELLHEAD & LAY FLOWLINE
05/29/2014 SET AMPSCOT 640-365-168

**NM OIL CONSERVATION
ARTESIA DISTRICT**

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 16 2015

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG
RECEIVED**

5. Lease Serial No.
NMLC029395A

a. 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.
TONY FEDERAL 48

3. Address **303 VETERANS AIRPARK LANE
MIDLAND, TX 79707** 3a. Phone No. (include area code)
Ph: **432-818-1801**

9. API Well No.
30-015-41989

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 18 T17S R31E Mer
NWSW 1650FSL 800FWL**
 At top prod interval reported below
Sec 18 T17S R31E Mer
 At total depth **NWSW 1650FSL 990FWL**

10. Field and Pool, or Exploratory
CEDAR LAKE; GLORIETA-YESA

11. Sec., T., R., M., or Block and Survey
or Area **Sec 18 T17S R31E Mer**

12. County or Parish
EDDY COUNTY 13. State
NM

14. Date Spudded **04/18/2014** 15. Date T.D. Reached **04/29/2014** 16. Date Completed
 D & A Ready to Prod.
05/29/2014

17. Elevations (DF, KB, RT, GL)*
3760 GL

18. Total Depth: **MD 6416 TVD** 19. Plug Back T.D.: **MD 6370 TVD** 20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
SBGR-CCL 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		335		610		0	
11.000	8.625 J-55	32.0		3508		1380		0	
7.875	5.500 J-55	17.0		6376		920		0	

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	6348							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4586	5050	4586 TO 5050		24	PRODUCING
B) UPPER BLINBRY	5102	5758	5102 TO 5758		25	PRODUCING
C) LOWER BLINBRY	5856	6276	5856 TO 6276		18	PRODUCING
D)						

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

Depth Interval	Amount and Type of Material
4586 TO 6276	#10 GEL 274 BBL, #20 GEL 11,514 BBL, 16/30 PROPPANT #413,911, ACID 321 BBL

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
06/05/2014	06/29/2014	24	→	75.0	224.0	149.0	38.0		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	
	SI		→				2987		

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

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

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	286	518	SANDSTONE/ANHYDRITE	RUSTLER	286
TANSIL SALT	518	1341	SALT	TANSIL SALT	518
BOTTOM SALT	1341	1484	SALT	BOTTOM SALT	1341
YATES	1484	1762	SANDSTONE	YATES	1484
SEVEN RIVERS	1762	2373	SANDSTONE/CARBONATE	SEVEN RIVERS	1762
QUEEN	2373	3110	SANDSTONE/CARBONATE	QUEEN	2373
SAN ANDRES	3110	4582	CARBONATE	SAN ANDRES	3110
GLORIETA	4582	4651	SANDSTONE	GLORIETA	4582

32. Additional remarks (include plugging procedure):

PADDOCK - 4651-5096 DOLOMITE
BLINBRY 5096-6105 DOLOMITE
TUBB 6105 - TD 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 #287655 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 01/12/2015

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.