

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 / 03/04/2014
⁴ API Number 30-015-41245	⁵ Pool Name Bear Grass Draw; Glorieta-Yeso	⁶ Pool Code 97534
⁷ Property Code 308705	⁸ Property Name Barnsdall Federal	⁹ Well Number 016

II. ¹⁰Surface Location

UL or lot no. B	Section 27	Township 17S	Range 29E	Lot Idn	Feet from the 330	North/South Line North	Feet from the 2310	East/West line East	County 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
¹² Lsc Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 03/04/2014	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
36785	DCP Midstream, LP 370 17th St Suite 2500 Denver CO 80202	G
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	O
<div>RECEIVED APR 24 2014 NMOCD ARTESIA</div>		

IV. Well Completion Data

²¹ Spud Date 01/05/2014	²² Ready Date 03/04/2014	²³ TD 6105'	²⁴ PBTB 6100'	²⁵ Perforations 4133'-5652'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	165'	360 sx Class C & Thixotropic		
11"	8-5/8"	783'	330 sx Class C		
7-7/8"	5-1/2"	6105'	810 sx Class C		
Tubing	2-7/8"	5750'			

V. Well Test Data

³¹ Date New Oil 03/04/2014	³² Gas Delivery Date 03/04/2014	³³ Test Date 04/02/2014	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 41	³⁹ Water 305	⁴⁰ Gas 385		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:
04/17/2014

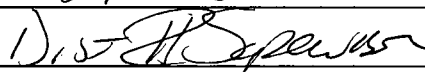
Phone:
(432) 818-1015

OIL CONSERVATION DIVISION

Approved by:



Title:



Approval Date:

4/30/2014

Pending BLM approvals will
subsequently be reviewed
and scanned

3160-4
3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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.
NMLC-028775B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
Barnsdall Federal #16 (308705)2. Name of Operator
Apache Corporation (873)9. API Well No.
30-015-412453a. Address
303 Veterans Airport Ln., Ste 3000
Midland, TX 797053b. Phone No. (include area code)
(432) 818-101510. Field and Pool or Exploratory Area
Bear Grass Draw; Glorieta-Yeso (97534)

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

330' FNL & 2310' FEL UL:B Sec:27 T:17S R:29E

11. County or Parish, State
Eddy, NM

12. CHECK THE 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 checked="" 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 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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:

02/03/2014 MIRUSU. Log TOC @ surface. Perf Blinbry/Tubb @ 5020', 40', 64', 95', 5120', 39', 62', 85', 5204', 36', 72', 95', 5330', 42', 68', 80', 5431', 60', 82', 5506', 51', 88', 5630', & 52' w/ 1 SPF, 24 holes. Spot 621 gals acid. Acidize w/ 3024 gals 15% HCl NEFE acid.

02/12/2014 Frac Blinbry/Tubb w/ 182,532 gals 20# & 224,033# 16/30 sand. Flush w/ 4536 gals 10# linear gel. Spot 4626 gals 15% HCl acid. Set CBP @ 4990'. Perf Glorieta/Yeso @ 4133', 61', 99', 4231', 59', 90', 4320', 38', 58', 97', 4506', 88', 4613', 30', 64', 4718', 60', 90', 4808', 26', 57', 77', 4909', & 49' w/ 1 SPF, 24 holes. Acidize w/ 3498 gals 15% HCl acid. Frac Glorieta/Yeso w/ 202,482 gals 20# & 256,271# 16/30 sand. Flush w/ 4872 gals 10# linear gel.

02/21/2014 DO CBP @ 4990'. Wash & circ hole to PBTD @ 6100'.

02/24/2014 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 5659' & ETD @ 5750'.

02/25/2014 RIH w/ pump & rods. Clean location & RDMSOU.

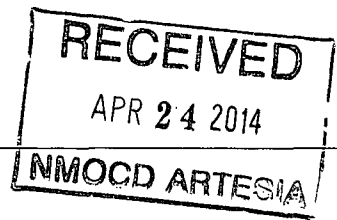
03/05/2014 Set new 640 pumping unit. POP.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Fatima Vasquez

Title Regulatory Analyst II

Signature

Date 04/17/2014



THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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	

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.

(Instructions on page 2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
APR 24 2014
MOCOD ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

2. Name of Operator
Apache Corporation (873)

3. Address 303 Veterans Airpark Ln., Ste. 3000
Midland, TX 79705 3a. Phone No. (include area code)
(432) 818-1015

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 330' FNL & 2310' FEL UL:B Sec:27 T:17S R:29E
At top prod. interval reported below
At total depth

5. Lease Serial No.
NMLC-028775B
6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
8. Lease Name and Well No.
Barnsdall Federal #16 (308705)
9. API Well No.
30-015-41245
10. Field and Pool or Exploratory
Bear Grass Draw; Glorieta-Yeso (97534)
11. Sec., T., R., M., on Block and
Survey or Area
UL:B Sec:27 T:17S R:29E
12. County or Parish
Eddy
13. State
NM

4. Date Spudded
01/05/2014 15. Date T.D. Reached
01/26/2014 16. Date Completed
☐ D & A ☒ Ready to Prod.

8. Total Depth: MD 6105'
TVD 19. Plug Back T.D.: MD 6100'
TVD 20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
POR/Hi-Res LL/BHCS-SGR/BHPL/SGR 22. Was well cored? ☐ No ☐ Yes (Submit analysis)
Was DST run? ☐ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

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
17-1/2"	13-3/8"H-40	48#		165'		360 sx C & Thix		0	
11"	8-5/8" J-55	32#		783'		330 sx Class C		0	
7-7/8"	5-1/2" J-55	17#		6105'		810 sx Class C		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)	
2-7/8"	5750'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Glorieta	3918'			4133'-4949'	1 SPF	24	Producing
B) Yeso	3982'			5020'-5652'	1 SPF	24	Producing
C) Blinbry	4523'						
D) Tubb	5543'						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
4133'-4949'	202,482 gals 20#, 256,271# sand, 3498 gals acid, 4872 gals gel
5020'-5652'	182,532 gals 20#, 224,033# sand, 4626 gals acid, 4536 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
03/04/14	04/02/14	24	→	41	385	305	39.3		Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				9390	Producing	

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	
			→						

*(See instructions and spaces for additional data on page 2)

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 (*Solid, 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 Seven Rivers	856' 1125'
				Bowers-SD Queen	1507' 1740'
				Grayburg San Andres	2124' 2447'
				Glorieta Paddock	3918' 3982'
				Yeso Blinbry	3982' 4523'
				Tubb	5543'

32. Additional remarks (include plugging procedure):
 Logs mailed 04/01/2014.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

<input type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd.)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input checked="" type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input checked="" type="checkbox"/> Other: OCD Forms C-102, C-104, Frac Disclosure	

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

Name (*please print*) Fatima Vasquez Title Regulatory Analyst II

Signature [Signature] Date 04/21/2014