

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 / 03/14/2014
⁴ API Number 30-015-41524	⁵ Pool Name Empire; Glorieta-Yeso, East	⁶ Pool Code 96610
⁷ Property Code 308704	⁸ Property Name B440 Federal	⁹ Well Number 008

II. ¹⁰Surface Location

UL or lot no. P	Section 27	Township 17S	Range 29E	Lot Idn	Feet from the 505	North/South Line South	Feet from the 1025	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 Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 03/14/2014	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

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IV. Well Completion Data

²¹ Spud Date 01/28/2014	²² Ready Date 03/14/2014	²³ TD 6050'	²⁴ PBTB 5950'	²⁵ Perforations 4153'-5410'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	205'	610 sx Class C & Thixotropic		
11"	8-5/8"	875'	370 sx Class C		
7-7/8"	5-1/2"	6050'	900 sx Class C		
Tubing	2-7/8"	5523'			

V. Well Test Data

³¹ Date New Oil 03/14/2014	³² Gas Delivery Date 03/14/2014	³³ Test Date 04/21/2014	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 8	³⁹ Water 149	⁴⁰ Gas 15		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: 04/24/2014
Phone: (432) 818-1015

OIL CONSERVATION DIVISION
Approved by: _____
Title: _____
Approval Date: 4/30/14
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.
LC-028775A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Apache Corporation (873)3a. Address
303 Veterans Airpark Ln., Ste 3000
Midland, TX 797053b. Phone No. (include area code)
(432) 818-1015

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

8. Well Name and No.
B440 Federal #8 (308704)9. API Well No.
30-015-4152410. Field and Pool or Exploratory Area
Empire; Glorieta-Yeso, East (96610)

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

505' FSL & 1025' FEL UL:P Sec:27 T:17S R:29E

11. County or Parish, State
Eddy County, 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:

02/11/2014 MIRUSU. Log TOC @ 150'. Perf Blinenry @ 4902', 24', 33', 49', 67', 86', 5013', 36', 54', 80', 5104', 27', 56', 80', 5200', 20', 40', 72', 97', 5325', 47', 70', 90', 5410' w/ 1 SPF, 24 holes.

02/12/2014 Spot 516 gals acid. Acidize w/ 2793 gals 15% HCl NEFE acid.

02/17/2014 Frac Blinebry w/ 149,562 gals 20# & 201,675# 16/30 sand. Flush w/ 4704 gals 10# linear gel. Spot 1000 gals 15% HCl acid. Set CBP @ 4880'. Perf Glorieta/Paddock/Blinenry @ 4153', 80', 4217', 32', 68', 88', 4311', 29', 51', 87', 4416', 38', 49', 73', 4501', 23', 60', 90', 4617', 48', 73', 94', 4730', 53', & 80' w/ 1 SPF, 25 holes. Spot 3528 gals 15% HCl acid. Frac w/ 166,992 gals 20# & 229,592# 16/30 sand. Flush w/ 3990 gals 10# linear gel.

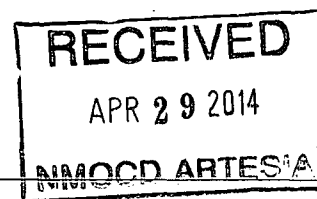
03/03/2014 RIH w/ bit.

03/04/2014 DO CBP @ 4880'. Wash sand to PBD @ 5950'.

03/06/2014 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 5433'. ETD @ 5523'.

03/07/2014 RIH w/ pump & rods. Clean location. RDMOSU.

03/14/2014 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 04/24/2014

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. LC-028775A				
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: _____						6. If Indian, Allottee or Tribe Name				
2. Name of Operator Apache Corporation (873)						7. Unit or CA Agreement Name and No.				
3. Address 303 Veterans Airpark Ln., Ste. 3000 Midland, TX 79705						8. Lease Name and Well No. B440 Federal #8 (308704)				
3a. Phone No. (include area code) (432) 818-1015						9. API Well No. 30-015-41524				
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 505' FSL & 1025' FEL UL:P Sec:27 T:17S R:29E At surface At top prod. interval reported below At total depth						10. Field and Pool or Exploratory Empire; Glorieta-Yeso, East (96610)				
						11. Sec., T., R., M., on Block and Survey or Area UL:P Sec:27 T:17S R:29E				
15. Date T.D. Reached 01/28/2014						16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3562' GL		
18. Total Depth: MD 6050' TVD			19. Plug Back T.D.: MD 5950' TVD			20. Depth Bridge Plug Set: MD TVD			12. County or Parish Eddy County	
									13. State NM	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN/HNGR/Hi-Res LL/BHCS/CAL						22. Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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#		205'		610 sx Class C		Surface		
11"	8-5/8" L-80	32#		875'		370 sx Class C		Surface		
7-7/8"	5-1/2" J-55	17#		6050'		900 sx Class C		Surface		
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"	5523'									
25. Producing Intervals										
Formation	Top	Bottom	26. Perforation Record		Perforated Interval	Size	No. Holes	Perf. Status		
A) Glorieta	4126'				4153'-4780'	1	25	Producing		
B) Paddock	4246'				4902'-5410'	1	24	Producing		
C) Blinebry	4759'									
D)										
27. Acid, Fracture, Treatment, Cement Squeeze, etc.										
Depth Interval		Amount and Type of Material								
4153'-4780'		166,992 gals 20#, 229,592# sand, 3528 gals acid, 3990 gals gel								
4902'-5410'		149,562 gals 20#, 201,675# sand, 4309 gals acid, 4704 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 Pump	
03/14/14	04/21/14	24	→	8	15	149	38.9			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status Producing		
			→				1875			
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)

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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
				Glorieta Paddock	4126' 4246'
				Blinberry Tubb	4759' 5637'

32. Additional remarks (include plugging procedure):

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

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ 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 VasquezTitle Regulatory Analyst IISignature Date 04/24/2014

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.

(Continued on page 3)

(Form 3160-4, page 2)