Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

HOBBS OCD
AUG 22 2019
RECEIVED

5. Lease Serial No.
NMLC062269A

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
GHOST RIDER 22-15 FEDERAL COM 205H

2. Name of Operator
APACHE CORPORATION
Contact: SORINA L FLORES
E-Mail: sorina.flores@apachecorp.com

9. API Well No.
30-025-45772-00-X1

3a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432.818.1167
Fx: 432.818.1167

10. Field and Pool or Exploratory Area
WILDCAT BONE SPRING

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 22 T24S R32E SESW 442FSL 2286FWL
32.197010 N Lat, 103.663681 W Lon

11. County or Parish, State
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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.

Carlsbad Field Office
OCD Hobbs

NMB000736

Apache request the following changes to csg:

OLD: Interm csg - 0-4860' MD 4860' TVD, 9-5/8 J55 40# LTC, Collapse: 1.99, Burst: 1.91, Body tensile safety factor: 2.17, Joint tensile safety factor: 1.81
NEW: Interm csg - 0-4800' TVD/MD, 9-5/8" J55 40# LTC Collapse: 1.99, Burst: 1.93, Body tensile safety factor: 2.18, Joint tensile safety factor: 1.81

Apache request the following changes to cmt:

OLD: Interm single stage: Lead: 0-3888' MD, 645sx Cl C w/10% CaCl2, 6% gel,1% MgOx-M, 0.125#/sk

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

Electronic Submission #475277 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 07/29/2019 (19PP2625SE)

Name *(Printed/Typed)* SORINA L FLORES — Title SUPV DRLG SERVICES

Signature (Electronic Submission) — Date 07/25/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By LONG VO — Title PETROLEUM ENGINEER — Date 08/07/2019

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 Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #475277 that would not fit on the form

32. Additional remarks, continued

durafiber, 0.7% retarder(2.32yld,12.7ppg,1496.4cu/ft); Tail: 3888-4860', 285sx Cl C w/10% CaCl2,1%MgOx-M, 0.4% Dispersant, 0.4%retarder(1.42yld,14.8ppg,404.7cu/ft)

Interm 2 stage cmt job 1st stage: Lead: 2280'-3888 320sx Cl C w/10% CaCl2, 1% MgOx-M, 0.125#/sk durafiber, 0.7% retarder(2.32yld, 12.7ppg,742.4cu/ft) Tail: 3888-4860' w/285sx Cl C w/10% CaCl2, 1% MgOx-M, 0.4% dispersant, 0.4% retarder(1.42yld,14.8ppg,404.7cu/ft), Stage tool/ECP 2280', 2nd Stage Lead: 0-1754', 285sx Cl C w/10% CaCl2, 1% MgOx-M, 0.4% dispersant, 0.1% retarder (2.32yld,12.7ppg,661.2cu/ft)) Tail: 1754'-2280, 145sx Cl C w/10% CaCl2, 1% MgOx-M, 0.4% dispersant, 0.1% retarder (1.42yld,14.8ppg,205.9cu/ft)

NEW: Interm1 csg - 0-3480', 645sx Cl C w/10% CaCl2, 6% gel, 1% MgOx-M, 0.55% retarder(2.32yld,12.7ppg,1496.4cu/ft); Tail: 3840-4800 w/300sx Cl C w/0.3% retarder (1.33yld,14.8ppg,399cu/ft)

Interm 2 stage cmt job 1st stage: Lead: 2280-3840' w/315sx Cl C w/10% CaCl2, 6% gel, 1% MgOx-M, 0.55% retarder (2.32yld,12.7ppg,730.8cu/ft) Tail: 3840-4800' w/300sx Cl C w/0.3% retarder (1.33yld, 14.8ppg,399cu/ft), Stage tool/ECP: 2280', 2nd Stage Lead: 0-1600', 265sx Cl C w/10% CaCl2, 6% gel, 1% MgOx-M, 0.55% retarder (2.32yld,12.7ppg,614.8cu/ft); Tail: 1600-2280' w/200sx Cl C w/0.3% retarder (1.33yld,14.8ppg,266cu/ft)

OLD: Prod LEAD1: 4660'-7500, 230sx TXI lite w/5% CaCl2, 12% 3M beads, 22% 3M beads, 0.2% fluid loss, 0.1% suspension aid, 0.4% retarder (3.71yld, 9ppg,853.3cu/ft); LEAD2: 7500-10111' w/315sx TXI lite, 3% CaCl2, 1% MgOx-M, 0.15% fluid loss, 0.15% suspension aid, 0.4% retarder(2.54yld,11ppg,800.1cu/ft) TAIL: 10111-18158' w/1535sx TXI lite w/1.3% CaCl2, 5% MgOx-H, 0.5% fluid loss, 0.1% antisettling, 0.3% retarder, 0.2% dispersant, 0.4% defoamer

NEW: Prod LEAD1: 4600-7500' w/235sx Nine lite w/5% Cacl2, 12% 3M beads,22%3M beads,0.2% fluid loss, 0.1% suspension aid, 0.4% retarder (3.71yld, 9ppg, 871.85cu/ft); LEAD2- 7500-10111', 315sx Nine lite w/same additives as approved; TAIL:10111-18158',1535sx Nine lite w/same additives as approved

***Please see attached csg & cmt plan

GHOST RIDER 22-15 FEDERAL COM 205H - CMT PLAN-REV 5.13.19

CEMENT: SURFACE

Stage Tool Depth: N/A

Single Stage

Lead:

Top MD of Segment:	0	Btm MD of Segment:	750
Cmt Type:	C	Cmt Additives:	4% Bentonite + 1% CaCl2
Quantity (sks):	385		
Yield (cu/ft/sk):	1.75	Volume (cu/ft):	673.75
Density (lbs/gal):	13.5	Percent OH Excess:	25%

Tail:

Top MD of Segment:	750	Btm MD of Segment:	1050
Cmt Type:	C	Cmt Additives:	1% CaCl2
Quantity (sks):	226		
Yield (cu/ft/sk):	1.33	Volume (cu/ft):	300.58
Density (lbs/gal):	14.8	Percent OH Excess:	25%

CEMENT: INTERMEDIATE

Single Stage

Lead:

Top MD of Segment:	0	Btm MD of Segment:	[redacted]
Cmt Type:	C	Cmt Additives:	[redacted]
Quantity (sks):	[redacted]		
Yield (cu/ft/sk):	[redacted]	Volume (cu/ft):	[redacted]
Density (lbs/gal):	[redacted]	Percent OH Excess:	25%

Tail:

Top MD of Segment: [redacted]

Btm MD of Segment: [redacted]

Cmt Type: C

Cmt Additives: [redacted]

Quantity (sks): [redacted]
Yield (cu/ft/sk):
Density (lbs/gal):

Volume (cu/ft): [redacted]
Percent OH Excess: 25%

2 Stage Cement Job

*** DVT depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DVT will be set a minimum of 50 feet below previous csg and a minimum of 200 feet above current shoe. Lab reports with 500psi compressive strength time for cmt will be onsite for review.**

***If lost circulation is encountered, Apache may 2-stage Interm csg. A DVT may be used in the 9-5/8" csg & ECP may be placed below DVT.**

1st Stage

Lead:

Top MD of Segment: [redacted]

Btm MD of Segment: [redacted]

Cmt Type: [redacted]

Cmt Additives: [redacted]

Quantity (sks): [redacted]
Yield (cu/ft/sk):
Density (lbs/gal):

Volume (cu/ft): [redacted]
Percent OH Excess: 25%

Tail:

Top MD of Segment: [redacted]

Btm MD of Segment: [redacted]

Cmt Type: [redacted]

Cmt Additives: [redacted]

Quantity (sks): [redacted]
Yield (cu/ft/sk):
Density (lbs/gal):

Volume (cu/ft): [redacted]
Percent OH Excess: 25%

Stage Tool / ECP Depth: ± 2280'

2nd Stage

Lead:

Top MD of Segment: 0

Btm MD of Segment: [redacted]

Cmt Type: C

Cmt Additives: [redacted]

Quantity (sks): [redacted]

Yield (cu/ft/sk): [redacted]

Volume (cu/ft): [redacted]

Density (lbs/gal): [redacted]

Percent OH Excess: 25%

Tail:

Top MD of Segment: [redacted]

Btm MD of Segment: [redacted]

Cmt Type: C

Cmt Additives: [redacted]

Quantity (sks): [redacted]

Yield (cu/ft/sk): [redacted]

Volume (cu/ft): [redacted]

Density (lbs/gal): 14.8

Percent OH Excess: 25%

CEMENT: PRODUCTION 200' of tieback into intermediate string

Single Stage

Lead 1:

Top MD of Segment: [redacted]

Btm MD of Segment: [redacted]

Cmt Type: TXI Lite

Cmt Additives: [redacted]

Quantity (sks): [redacted]

Yield (cu/ft/sk): [redacted]

Volume (cu/ft): [redacted]

Density (lbs/gal): [redacted]

Percent OH Excess: 20%

Lead 2:

Top MD of Segment: [redacted]

Btm MD of Segment: [redacted]

Cmt Type: TXI Lite

Cmt Additives: [redacted]

Quantity (sks): [redacted]

Yield (cu/ft/sk):

Volume (cu/ft): [redacted]

Density (lbs/gal):

Percent OH Excess: 20%

Tail:

Top MD of Segment: [redacted]

Btm MD of Segment: [redacted]

Cmt Type: TXI Lite

Cmt Additives: [redacted]

Quantity (sks): [redacted]

Yield (cu/ft/sk):

Volume (cu/ft): [redacted]

Density (lbs/gal):

Percent OH Excess: 20%