

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.

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		5. Lease Serial No. NMLC029426B
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-818-1801		8. Well Name and No. CROW FEDERAL 20H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T17S R31E NESE 2310FSL 370FEL		9. API Well No. 30-015-41910
		10. Field and Pool, or Exploratory FREN:GLORIETA-YESO<26770>
		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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Production Start-up
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Recomplete
	<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 recomplate 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 recompletion 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.)

SEE ATTACHED FOR THE SUNDRY FORM DETAIL 3160-5 FOR THE CROW.FEDERAL 20H

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 13 2015

RECEIVED

APD 2/13/15
ACCEPTED FOR RECORD
MOC

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

Electronic Submission #285305 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 01/29/2015

Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ANALYST	ACCEPTED FOR RECORD FEB 11 2015 <i>Deborah Ham</i> BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
Signature (Electronic Submission)	Date 12/16/2014	
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.

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.

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

**APACHE HAS COMPLETED THIS WELL AS FOLLOWS:
CROW FEDERAL #20H FORM 3160-5 SUNDRY**

03/14/2014 RELEASE RIG -RIG DOWN

03/21/2014 PREP TO TEST CSG & RUPTURE DISK MIRU

WEATHERFORD WL. RIH W/ CBL-CNL-GR-CCL LOGGING TOOL. LOG FROM 5300' TO SF. FOUND GOOD
CMT. TOC @ 50' FROM SURF. POOH W/ LOGGING TOOLS. PREP TO TEST CSG & RUPTURE DISK

03/24/2014 PREP TO MIRUPU RIH W/TBG & BIT CO TO PBSD

03/28/2014 RIH W/ BIT & POH,RIH W/ BIT MIRUSU & REV UNIT. FOUND WELL WITH 0#. NU BOP. RACK 10500'
OF 2 3/8" L80TBG. PU RIH 4 3/4 BIT, BIT SUB, XO ON 2 3/8" L80 TBG. TO 5180'. LEAVE BIT SWINGING @ 5180'.
SD.SI. SDFW. PREP TO FINISH RIH TO INSURE WELL BORE CLEAN TO PBSD

03/31/2014 PERFORATE RIH W/ BIT FOUND WELL @ 0#. CONTINUE RIH W/ BIT TO PBSD @ 10177'. POH & LD
TBG. SI. SDFN. PREP TO PERFORATE

05/14/2014 TEST LINES TO 8000# AND POP OFF TO 6230#.WELL CION W/ON FRAC EQPT TO FINISH FRAC
OPS ON CROW 19H. MOVE LINES FROM CROW 19H TO CROW 20H. W/ON SAND AND ACID DELV AND
BUILDING WATER VOLUME IN FRAC PIT. PUMPCO DOING PMP MAINTENCE

05/15/2014 FRAC STAGE #5 AT MIDNIGHT CONINUE PERF AND FRAC STAGES IN ORDER FRAC STAGE #1
THEN PERF AND FRAC STAGES #2 + #3 + #4. PERF STAGE #5 STAGE 1 - PUMPCO SERVICES TO FRAC
UPPER BLINEBRY FORMATION. 260 BBLs / FORMATION BREAK @ 6000 PSI & 11.72 BPM, RAN 184 BBL 15%
HCL,5083 BBL SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,69090 LBS 100 MESH SAND,72190 LBS
40/70 WHITE,39620 LBS 40/70 RC,0 TOTAL PROP = 180900 LBS, AVG PRESS = 4791 PSI, MAX PRESS = 6140
PSI, AVG RATE = 89.2 BPM, MAX RATE = 92.3 BPM, ISIP = 2000 PSI, FG = 0.772, W/ LTR = 5267 BBL. STAGE 2.
RAN 182 BBL 15% HCL,4731 BBL SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,68540 LBS 100 MESH
SAND,70450 LBS 40/70 WHITE,39100 LBS 40/70 RC,0 ,TOTAL PROP = 178090 LBS, AVG PRESS = 4472 PSI,
MAX PRESS = 6400 PSI, AVG RATE = 91 BPM, MAX RATE = 92.2 BPM, ISIP = 2153 PSI, FG = 0.7979, W/ LTR =
5263.2 BBL STAGE 3. PUMPCO SERVICES RAN 180 BBL 15% HCL,4573.8 BBL SLICKWATER,0 BBL
CROSSLINK,,0 BBL LINEAR GEL,68860 LBS 100 MESH SAND,70140 LBS 40/70 WHITE,39241 LBS 40/70 RC,0
TOTAL PROP = 178241 LBS, STAGE 4: RAN 180 BBL 15% HCL,4987 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,69340 LBS 100 MESH SAND,69820 LBS 40/70
WHITE,39260 LBS 40/70 RC,0 ,TOTAL PROP = 178420 LBS,

05/16/2014 STAGE #5 RAN 180 BBL 15% HCL,4484 BBL

SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,69940 LBS 100 MESH SAND,71360 LBS 40/70
WHITE,39080 LBS 40/70 RC,0 ,TOTAL PROP = 180380 LBS, STAGE 6. RAN 179 BBL 15% HCL,5046 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,71250 LBS 100 MESH SAND,70990 LBS 40/70
WHITE,39060 LBS 40/70 RC,0 ,TOTAL PROP = 181300 LBS, STAGE 7. RAN 180 BBL 15% HCL,4734 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,71130 LBS 100 MESH SAND,71090 LBS 40/70
WHITE,39540 LBS 40/70 RC,0 ,TOTAL PROP = 181760 LBS, STAGE 8 RAN 180 BBL 15% HCL,4713 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,71130 LBS 100 MESH SAND,71090 LBS 40/70
WHITE,39340 LBS 40/70 RC,0 ,TOTAL PROP = 181560 LBS, STAGE 9 RAN 180 BBL 15% HCL,4647 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,70190 LBS 100 MESH SAND,69490 LBS 40/70
WHITE,40560 LBS 40/70 RC,0 ,TOTAL PROP = 180240 LBS STAGE 10 RAN 178 BBL 15% HCL,4712 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,71140 LBS 100 MESH SAND,70010 LBS 40/70
WHITE,39280 LBS 40/70 RC,0 ,TOTAL PROP = 180430 LBS

05/17/2014 STAGE 11 RAN 178 BBL 15% HCL,5376 BBL

SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,69100 LBS 100 MESH SAND,70590 LBS 40/70
WHITE,40800 LBS 40/70 RC,0 ,TOTAL PROP = 180490 LBS, STAGE 12 RAN 193 BBL 15% HCL,4512 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,71460 LBS 100 MESH SAND,68390 LBS 40/70
WHITE,39480 LBS 40/70 RC,0 ,TOTAL PROP = 179330 LBS, STAGE 13 RAN 252 BBL 15% HCL,4648 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,69330 LBS 100 MESH SAND,71300 LBS 40/70
WHITE,39200 LBS 40/70 RC,0 ,TOTAL PROP = 179830 LBS, STAGE 14 RAN 223 BBL 15% HCL,4291 BBL
SLICKWATER,0 BBL CROSSLINK,,0 BBL LINEAR GEL,70310 LBS.100 MESH SAND,69320 LBS 40/70
WHITE,39280 LBS 40/70 RC,0 ,TOTAL PROP = 178910 LBS

06/04/2014 TIH TO 1ST PLUG. PU SWIVEL AND ESTABLISH CIRC W/ FOAM UNIT. START DRLG 13 EA.
CBP'S

06/05/2014 TOOH TO 6522'. RE ESTABLISH CIRC WILL THEN STAGE IN HOLE AND RE GAIN CIRC AND
FINISH DRLG PLUG #13 AND TO PBSD OF 10250'.

06/06/2014 TOOH AND CION FOR WEEKEND

06/07/2014 RIG REMAINS ON HOLE. WILL RUN PROD EQPT MONDAY

06/09/2014 TURN WELL OVER TO PRODUCTION. WAITING FOR BATTERY TO BE COMPLETED RIH
W/SUBMERSIBLE PUMP & TURN WELL OVER TO PRODUCTION EST EOT @ 5467.

LOAD & RELEASE 2 7/8 PH-6 TBG, UNLOAD & TALLY, 2 7/8 J-55 TBG, RIH W/ TBG &
SUBMERSIBLE PUMP, TURN WELL OVER TO PRODUCTION, W/ END OF TBG @ 5467
06/16/2014 INSTALL DRIVE & ELECTRIC START PROD TO BATTERY FINAL REPORT