

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Artesia

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029435A	
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name	
3a. Address 303 VETERANS AIRPARK LN #1000 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 432-818-1167		8. Well Name and No. CEDAR LAKE FEDERAL CA 762H	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T17S R31E Mer NMP SESE 450FSL 75FEL 32.843005 N Lat, 103.905715 W Lon		9. API Well No. 30-015-44398	
		10. Field and Pool or Exploratory Area CEDAR LAKE; GLORIETA-YESO	
		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 checked="" 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"/> Hydraulic Fracturing	<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 Drilling Operations
	<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 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.

BLM-CO-1463 NATIONWIDE NMB-000736

OC 11-8-17
Accepted for record - NMOCD

9/3/17: Spud, drlg 17-1/2" hole to 414', run 13-3/8" 48# J55-STC csg to 414', FC @ 370' (@ 175', hole taking fluid, lost 125bbbls, regained returns @ 80%, @ 370' hole tight, washed dwn last jt, circ w/full returns, lost 25bbbls while circ)

9/4/17: RU Par 5, cmt w/ Lead: 500sx Cl C w/2% CaCl2 (1.33yld, 14.8ppg). Circ 102sx to pit, WOC 8 hrs, NU BOP.

9/5-9/6/17: Test csg 1300psi/60min-OK, Drlg 12-1/4" hole f/414-2239', holding 100-145psi on backside to control wtr flow, small gain while drlg, 7-10ppm

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 07 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.		Electronic Submission #391689 verified by the BLM Well/Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 10/16/2017 ()	
Name (Printed/Typed)	SORINA FLORES	Title	SUBMITTING CONTACT
Signature	(Electronic Submission)	Date	10/11/2017

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 _____	BUREAU OF LAND MANAGEMENT CARLSBAD FIELD 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)

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

Additional data for EC transaction #391689 that would not fit on the form

32. Additional remarks, continued

H2S running H2S scavenger @ higher rate, wtr flow holding between 500-700bbls/hr, wtr flow w/135psi on backside is 180-225bbls/hr.

9/7/17: Drlg f/2646'-2982', drlg ahead 100-145psi on backside to control wtr flow, wtr flow holding 500-700bbls/hr, circ, TOOH, holding 190psi on backside to control wtr flow, break circ, kill well by heading 13.2ppg dwn DP, 100bbls to kill well, did not kill well, PSI fell f/193-175psi, taking in fluid @ 616', air kick taken, TOOH stripping thru annular w/DP then DC, LDDP, bled backside to 40psi thru gas buster, open annular, shut well, PSI back to 175psi, 300-400bbls back in pits in 10-15 min time, TIH, bled pressure off, run first stand, shut well, pressure back to 175psi, make up teledrift, bled psi off backside, open well, massive flow rates, RIH w/teledrift, shut in well, run rest of BHA, PSI back @ 180psi, TIH, no issues, 180-190psi.

9/8/17: TIH, circ, H2S alarm went off, ASI safety declared safe, drlg f/2981-3480?, holding 100-145psi on backside to control wtr flow, 7-10ppm H2S, run H2S scavenger at higher rate, wtr flow 500-700bbls/hr, circ, low ROP, TOOH to 2043?, 171psi on backside.

9/9/17: RU, pmp kill mud in hole bring back to 600?, mix more mud, pmp dwn backside, POOH to 2043?, pmp kill mud f/2043-600?, shut dwn, no effect on backside pressure, TOOH, make up new BHA, open well, TIH w/first stand, shut in well, circ H2S out, all clear w/ASI safety, Drlg f/3480-3550?, 100-145psi on backside to control wtr flow, 7-10ppm H2S, run H2S scavenger at higher rate, wtr flow holding 500-700bbls/hr, Circ.

CONTINUED ON PAGE 2, SEE ATTACHMENT

Cedar Lake Fed CA 762 (EOW continued)

9/10/17: TOO H to 2200', pmp dwn 350bbbls kill mud dwn backside, went to Opsi, open well, well flowed, pmp again, pressure Opsi, well flowed, pmp another 50bbbls backside, psi increased to 50psi, pmp 30bbbls dwn DP, 20bbbls in OH, backside increased to 60psi, no effect on wtr flow, monitor well, TOO H 700-1500', pmp 60bbbls kill mud dwn DP, no chg in csg pressure, monitor, pmp 50bbbls mud dwn DP, no chg, TIH to 3000', monitor well, wait on more mud, discussed inj wells close to rig w/Linn Energy, permission to shut in inj wells, pmp fluid to surf, pmp 100bbbls kill mud dwn backside & killed well, backside psi at 0.

9/11/17: Monitor well, wait on kill mud, TOO H to 2836', pipe stuck, work stuck pipe, pipe free, well free flowing @ 1285 -1500bbbls/hr.

9/12/17: Circ, RD top drive, set replacement topdrive, test run, install BOP, break circ, H2S alarm went off, ASI safety cleared, circ, W&R, monitor well flow, ck for CO2, H2S, hole tight, wkg slowly & rotating, hole tight & torqueing to 1901'.

9/13/17: W&R f/1901-1530', TIH f/1530-3550', circ, TOH to run csg f/3550-235', wtr flow not decreased, flowing approx 1500bbbls/hr, holding 75-80# back pressure on csg, bullhead well w/175bbbls mud @ 235', well static, LD teledrift/bit, contact BLM, RU Lewis csg, run 9-5/8" 36# J55 LTC csg to 640', well flowing, shut in well, bullhead well w/150bbbls mud @640', well static, running csg f/640-1223', well flowing, shut in, mix barite to bring mud wt f/14.2 to 18#.

9/14/17: Run csg f/1223-1495', well flowing, shut in, bullhead 50bbbls mud, well static, Opsi on csg, run csg f/1495-3550', circ to cmt 9-5/8" csg @ 3550', DVT @ 542', FC @ 3500', FS @ 3548'. RU Par 5 to cmt, 1st stage Lead: 1100sx Cl C w/5% salt, 6% bentonite gel, 3#/sk kolseal, 0.4#/sk defoamer, 0.125#/sk cellophane (1.92yld, 12.9ppg), Tail: 300 Cl C (1.32yld, 14.8ppg), inflate packer, ck float-ok, circ 88sk cmt to surf, cancel 2nd stage cmt job, packer did not hold, RD cmt crew, contact BLM, well still flowing, pressure on back side 90psi to hold cmt in place, WOC 8hrs, ck wtr flow, drop csg pressure f/90 to Opsi, well flowing, shut choke valve, csg pressure back to 62psi, WOC 3.5 hrs, ck wtr flow, drop csg pressure f/90-0psi, well flowing, shut choke valve, csg pressure back to 50psi, WOC 2.5 hrs

9/15/17: WOC, csg pressure drop f/40-0psi, open choke valve, well flowing, pressure up on backside to 100psi, bled back to 70psi in 15 min, steady @ 70psi, Chase @ BLM approved bradenhead sqz, Sqz backside: 210sk Cl C w/2% CaCL (1.34yld, 14.8ppg) – starting psi 100, halfway thru dropped to 70psi, at end of job @ 40psi, stopped pmps, no psi on back side, no flow, WOC 7 hrs, open HCR valve, well static, no flow, install B section, NU BOP

9/16-9/17/17: Test csg 1500psi/30min-OK, drlg 8-1/2" hole f/3550-4860', pmp high vis sweep, circ, RU Phoenix Wireline, run gyro to 4780', RD WL, TOH f/curve assbly.

9/18/17:TIH w/curve assbly to 4860', attempt curve, would not drill, TOH, TIH w/magnet, circ on btm, work junk basket, TOH w/magnet.

9/19-9/20/17: Finish TOH, break circ, milling on junk metal, TOH w/mill to PU curve assbly, TIH w/curve assbly, drlg w/curve f/4861-5662', TOO H to PU lateral assbly, TIH, drlg lateral f/5662-5954'.

9/21-9/26/17: Drlg f/5954'-10250', TD @ 10250', Circ clean up cycle, reciprocate stuck pipe @ 10211', rotating stuck pipe @ 10211', RU Brannco WL to find fee point @ 2811', circ, retrieve MWD tool, no issues, circ, RU charge tool, RIH w/charge tool, backoff string @ 2744'/RD WL, TOO H w/DP f/2744-surf,

PU jars, TIH w/fishing tool to 2744', screw into fish & backream f/10215-7544', pulling free, rotating @ 8080', TOH f/7544-2944', wait on csg swedge, TIH w/csg swedge f/surf - 550', work thru DVT, TIH w/swedge assbly f/550-2790', swedge inside 9-5/8" csg f/2790-2806'.

9/27/17: TOOH f/5860-3137', LD DC & jars, csg swedge f/3137-2825', TOOH DP f/2825-94', LD dir tools f/94-0', MU tricone bit, TIH to 3550', slow @ 2650-2900', went thru damaged csg, no issues, TIH w/packer plus assbly to 9510', hole tight, assbly would not slide, wash & ream, tag btm @ 10250', circ, work pipe, wiper trip f/10250-9200', TIH f/9200-10143', tagged fill @ 10143', wash f/10143-10250', circ, wiper trip f/10250-10080', LDDP, Notify BLM of prod csg / cmt job.

9/28-9/29/17: PU 5-1/2: csg & packer assbly, run 5-1/2" L80 20# LTC csg f/4840 - TD @ 10250', install XO @ 4838', DVT @ 4813', run 7" 29# P110 GB-CD csg f/surf to 4838'

Cmt Lead: 450sx CI C/Poz w/5% salt, 6% bentonite gel, 0.2% retarder, 3#/sk kolseal, 0.4#/sk defoamer, 0.125 CF (2.06yld, 12.6ppg)

Tail: 210sx PVL w/1.3% salt, 5% expanding agent, 0.5% fluid loss, 0.1% anti-settling agent, 0.4#/sk defoamer (1.48yld, 13ppg), floats held, circ 136sx to surf, set slips, set BOPs dwn

RR 9/30/2017.