

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CCD-ARTESIA

FORM APPROVED  
OMB NO 1004-0135  
Expires: November 30, 2000

## 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

RECEIVED

DEC 28 2009

NMOOD ARTESIA

16696

3b. Phone No. (include area code)  
432-685-5717

5. Lease Serial No.

NMMW 86024

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Cypress 33 Federal #24

9. API Well No.

30-015-37308

10. Field and Pool, or Exploratory Area

Cedar Canyon Base Spring

11. County or Parish, State

Elly NM

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

## TYPE OF SUBMISSION

- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

## TYPE OF ACTION

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
- ☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
- ☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other Spud, Set
- ☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon Csg & Cmt
- ☐ 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 recompleate 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 final site is ready for final inspection.)

Spud 10/20/09

Drill 17 1/2" hole to 470'. RIH w/ 13 3/8" 48# H40 csg &amp; set @ 470'

Cement w/ 570sx HES Extenda cem, circ 298sx (93bbl) cmt to surface.

Drill 12 1/4" hole to 3016'. RIH w/ 9 5/8" 47# L80 csg &amp; set @ 3006'

Cement w/ 790sx Econocement followed by 200sx Halcam, circ 389sx (147 bbls) cmt to surface

Drill 8 1/2" hole to 11140' m. 7650' u

RIH w/ 5 1/2" 17# L80 csg &amp; set @ 11350' w/ DVT @ 5011', POST @ 3059'

Cement w/ 1st 2150sx Cl H Versacem, circ 245sx (70bbl) cmt to surface; 2nd w/ 460sx IFC followed by 100sx Prem Plus, circ 86sx (40bbl) cmt to surface; 3rd w/ 320sx IFC followed by 100sx Prem Plus, circ 32sx (15bbl) cmt to surface

Rig Release 11/10/09

See Attached For Detail Information

ACCEPTED FOR RECORD

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

David Stewart

Title

Sr. Regulatory Analyst

Date

12/14/09

DEC 22 2009

/s/ Myles Kristof

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

**CYPRESS 33 FEDERAL #2**

SPUD WELL @ 2000HRS 10/20/09

DRILL 17-1/2" HOLE TO 470' 10/20/09

RIH W/ 13-3/8" 48#, H40, STC SURFACE CASING, SHOE SET @ 470', COLLAR AT 426' W/ 6 CENTRALIZERS.

CEMENT 13-3/8" CASING WITH HALLIBURTON AS FOLLOWS:

PUMP 20 BBLS FRESH GEL WATER AHEAD.

570 SX HALLIBURTON EXTENDACEM (13.5 PPG, 1.75 YIELD) LEAD, AT 6 BPM WITH 150 PSI, DROP TOP PLUG

DISPLACED CEMENT WITH, 67 BBLS 8.5 PPG FRESH WATER AT 6 BPM WITH 150 PSI FINAL DISPLACEMENT PRESSURE. BUMPED PLUG WITH 650 PSI. HELD PRESSURE 5 MINUTES. BLED OFF 1/2 BBLS, FLOAT EQUIPMENT HOLDING.

CIRCULATED 298 SX (93 BBL) CEMENT TO SURFACE. PLUG DOWN AT 0930 HRS, ON 10/21/2009.

NOTE: ROBERT HOSKINS WITH BLM WITNESSED CEMENT JOB. CONTACTED BLM FOR BOP TEST 12:00 HRS 10/21/09

INSTALL AND WELD 13-5/8" 5K CLAMP ON FLANGE TOP 13-3/8" ON BOTTOM, MULTI BOWL VETCOGRAY WELLHEAD. TESTED SAME TO 500 PSI WITH HYDRAULIC OIL. GOOD TEST. CONTACTED BLM FOR BOP TEST 12:00 HRS 10/21/09

HELD PJSM WITH TESTER, TEST CHOKE MANIFOLD AND FLOOR VALVES (INSIDE BOP, DART) WERE TESTED SEPARATELY; HOLD ALL TEST 10 MIN.: 250 PSI LOW TEST AND 5,000 PSI HIGH TEST - ALL GOOD TEST.

TESTED 13-5/8" 10M CAMERON BOP.

TESTED ANNULAR TO 250 PSI LOW AND 2500 PSI HIGH FOR 10/10 MINUTES. TESTED BLIND RAM AND 2 SETS 5" RAMS TO 250 PSI AND 5000 PSI FOR 10/10 MINUTES. "GOOD TEST"

DRILL FIRM CEMENT & FLOAT EQUIPMENT + 10' NEW FORMATION FROM 416' TO 480" USING 10K AVERAGE WOB, 600 GPM, 96 MRPM + 40 SRPM = 136 BRPM, 1000 PSI OFF BOTTOM, 1200 PSI ON BOTTOM

CIRCULATED BOTTOMS UP AND PREFORMED FIT TEST TO 60 PSI @ 470' TVD USING 10.1 PPG MUD. EQUIVALENT MUD WEIGHT = 12.56 PPG

1230HRS 10/22/09, DRILL 12-1/4" INTERMEDIATE HOLE TO 3016' TD @ 1900HRS 10/23/09

RIH W/ 9-5/8" 47# L80 BTC CASING, SHOE @ 3006', COLLAR @ 2928' W/ 26 CENTRALIZERS

CEMENT 9-5/8" CASING WITH HALLIBURTON AS FOLLOWS:

PUMP 20 BBLS FRESH WATER GELL SPACER AHEAD.

790 SX (298 BBL) OF LEAD (ECONOCEMEN, 12.4 PPG, YIELD 2.12, MIX WATER @ 11.39 GAL / SACK) AT 9 BPM WITH 500 PSI FOLLOWED BY 200 SX (48 BBL) OF TAIL (HALCEM, 14.8 PPG, YIELD 1.34, MIX WATER @ 6.36 GAL / SACK) AT 5 BPM WITH 300 PSI.

DROP TOP PLUG, DISPLACED CEMENT USING WITH 215 BBLS FRESH WATER AT 6 BPM, AT 875 PSI FINAL DISPLACEMENT PRESSURE. BUMPED PLUG TO 1450 PSI. HELD PRESSURE FOR 5 MINUTES, BLED OFF PRESSURE BLEED BACK 2.0 BBL TO DISPLACEMENT TUBS ON CEMENT TRUCK. FLOAT EQUIPMENT HOLDING.

CIRCULATED 389 SX (147 BBLS) CEMENT TO SURFACE. PLUG DOWN & CEMENT IN PLACE AT 08:30 HOURS ON 10/24/2009.

WOC - PER BLM & SECRETARY OF POTASH MINES REGULATIONS.

SET PACK-OFF CHECKED LOCK-DOWN SCREWS FOR PROPER PLACEMENT.

TESTED PACK-OFF AND "B" SECTION BREAK THROUGH TEST PORT WITH LOWER AND UPPER VALVES OPEN FOR LEAKS. TESTED TO 250 PSI LOW AND 5000 PSI HIGH FOR 10/10 MINUTES EACH TEST CHARTED. "GOOD TEST"

TEST CASING TO 3740 PSI FOR 30 MINUTES. GOOD TEST. DRILL CEMENT AND FLOAT EQUIPMENT FROM 2890' TO 3026'. WOB 1-3K.

SRPM 40 + MRPM 60 = 100 TRPM. GPM 300. 750 PSI. DRILLED FIRM CEMENT ABOVE SHOE. SHOE DEPTH 3006'. DRILL 10' NEW FORMATION FROM 2970' TO 2980'. CIRCULATE BOTTOMS UP. MW IN AND OUT 8.8 PPG. PERFORM FIT TO 600 PSI FOR 5 MINUTES. NO LEAK OFF. MW 8.8 PPG. EMW 12.7 PPG.

1200HRS 10/25/09, DIRECTIONAL DRILL 8-1/2" PRODUCTION HOLE TO 11140' MD, 7650' TVD, 11/7/09

RIH w/ 5-1/2.5" 17# L-80 LTC PRODUCTION CASING AS FOLLOWS

WEATHERFORD REAMER SHOE @ 11390', FLOAT COLLAR @ 11311', WF DVT @ 5011', & WF POST TOOL @ 3059' W/ 3 RIGID CENTRALIZERS 10' AND 40' FROM SHOE

SPIRAL GLIDE CENTRALIZERS EVERY OTHER JOINT FROM FROM 11310' TO 7472' TOTAL OF 69

BOW SPRING CENTRALIZERS EVERY THIRD JOINT FROM 7360' TO 2820' TOTAL OF 41

CEMENT 1ST STAGE W/ 20 BBLS FW, 24 BBLS SUPER FLUSH, 10 BBLS WG-19 GEL SPACER W/ RED DYE, 2150 SX (612BBLS) CI H VERSACEM @ 13.2 PPG, 1.6 YIELD

DROPPED TOP PLUG, DISPLACED CEMENT W/ FW, BUMPED PLUG HELD PRESSURE UP TO 3000 PSI FOR 5 MINUTES, BLED OFF AND GOT 2.0 BBL RETURNS. FLOAT EQUIPMENT HOLDING, HAD FULL RETURNS THROUGH CEMENT JOB, CEMENT IN PLACE @ 0700 HRS..

DROP BOMB LET GRAVITATE FOR 25 MINUTES OPEN DV TOOL AT 840 PSI.

HALLIBURTON CIRCULATE BOTTOMS UP OFF TOP DV TOOL AT 5,011' AT 8 BPM 600 PSI W/ FULL RETURNS.

CIRCULATED 245SX (70 BBLS) CEMENT TO SURFACE, CIRC 6 HRS.

CEMENT 2ND STAGE W/ 5 BBLS FW, 20 BBLS WG-19 GEL SPACER W/ RED DYE, 460 SX (224 BBLS) IFC CEMENT @ 11.7 PPG, 2.61 YIELD. FOLLOWED BY 100 SX (24 BBLS) PP CEMENT @ 14.8 PPG, 1.33 YIELD.

DROPPED TOP PLUG. DISPLACED CEMENT WITH FW & 9.4 PPG MUD, BUMPED PLUG, HELD PRESSURE UP TO 2119 PSI FOR 5 MINUTES, BLED BACK 1.0 BBL, FLOAT EQUIPMENT HOLDING, HAD FULL RETURNS THROUGH OUT CEMENT JOB. CEMENT IN PLACE AT 1400 HOURS.

DROP BOMB AND LET GRAVITATE FOR 15 MINUTES, OPEN POST TOOL WITH 2600 PSI AT 1 BPM

CIRCULATE W/ 9.4 MUD, CIRC 86 SX (40 BBL) CEMENT TO SURFACE.

CEMENT 3RD STAGE W/ 20 BBLS FW, 320 SX (224 BBLS) IFC CEMENT @ 11.7 PPG, 2.61 YIELD FOLLOWED BY 100 SX (24 BBLS) PP CEMENT @ 14.8 PPG, 1.34 YIELD

DROPPED TOP PLUG. DISPLACED CEMENT W/ 9.4 PPG MUD BUMPED PLUG AND HELD PRESSURE UP TO 2450 PSI FOR 5 MINUTES, BLED BACK 1 BBL, FLOAT EQUIPMENT HOLDING. HAD FULL RETURNS THROUGH OUT CEMENT JOB. CIRCULATED 32 SX (15 BBLS) CEMENT TO SURFACE

RELEASE RIG AT 0700 HRS 11/10/2009