CC(D) - Hobbs

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: LC031621A

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

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

8. Well Name and No.: Britt No. 12

2. Name of Operator: Doyle Hartman

9. API Well No.: 30-025-05999

3. Address and Telephone No.: 500 N. Main St., Midland, Texas 79701 (915) 684-4011

10. Field and Pool, or Exploratory Area: Eumont (Y-7R-Qn) Gas

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FNL & 2281' FWL Sec. 7, T-20-S, R-37-E (C)

11. County or Parish, State: Lea County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☒ ~~Abandonment~~ Temporary Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☒ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Squeeze Producing Interval, Repair Defective Cement	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)*

In conjunction with our completion of the Britt No. 2 well (C-7-20S-37E), as a replacement adjacent Eumont producer, the following abandonment operations, as described on pages 1 of 4, 2 of 4, 3 of 4 and 4 of 4 (attached hereto), have been performed, corresponding to the high-operating-cost Britt No. 12 Eumont completion (C-7-20S-37E).

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

Signed [signature] Title Steve Hartman, Engineer Date 09/25/01

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

GWW

DETAILS OF COMPLETED OPERATIONS

Found tubing leak on April 21, 2001.

Moved in and rigged up well service unit, on May 3, 2001, to repair tubing leak (after waiting 12 days for available well service unit). Pulled rods and pump.

Blew down casing. Pulled 2 7/8" O.D. tubing. Replaced corroded and rod-cut tubing joints.

Ran 2 7/8" O.D. tubing, 4 3/4" bit, and 5 ½" casing scraper, to 3432'. Pulled bit and scraper.

Ran 2 7/8" O.D. tubing and 179.53' bottom-hole drilling assembly, consisting of 4 3/4" bit and (6) 3 1/8" O.D. drill collars, to 3288'. Hooked up air unit. Blew hole dry.

Cleaned out wellbore, to 3500'. Blew hole dry. Raised bottom-hole assembly 16 joints. Shut in well, for pressure buildup. 35-hr SICP = 95 psig (buildup plot enclosed).

Lowered bottom-hole drilling assembly, to 3500'. Commenced drilling on 5 ½" retainer (set 1-27-77). After drilling on retainer, for 1.25 hrs, slips relaxed, and retainer dropped 16'. Drilled up remainder of retainer. Cleaned out wellbore, to 3653' (top of cement covering CIBP at 3670').

Loaded wellbore with 2% KCL water. Pulled 197.53' bottom-hole assembly.

Rigged up Schlumberger. Logged well with DS-CNL-GR-CCL log and VDCBL-GR-CCL log.

Ran tubing and rods. Returned well to production, at 7:30 P.M., CDT, 5-9-01.

Moved well service unit back onto well, on 6-22-01. Pulled and laid down rods and pump. Pulled and laid down corroded and rod-cut 2 7/8" O.D. production tubing (installed, in well, in February, 2000).

Rigged up Capitan Corporation wireline truck. Perforated 5 ½" O.D. casing, from 3344' to

3582' (below Eumont perfs), with (27) 0.38" x 19" squeeze holes.

Ran 2 7/8" O.D., 6.5 lb/ft, N-80, EUE work string, 5 ½" Model "C" packer, and 5 ½" Model "C" RBP.

Set 5 ½" Model "C" RBP, at 3600'. Spotted 400 gal of 15% NEFE acid across and above squeeze perfs, from 3344' to 3582'. Raised and set 5 ½" Model "C" packer, at 3479'. Pumped an additional 500 gal of 15% NEFE acid down 2 7/8" O.D. tubing. Allowed acid to soak, for 30 minutes. Acidized squeeze perfs, from 3489' to 3582' (15 holes), with an additional 1200 gal of 15% NEFE acid, at an average treating pressure of 200 psi. Observed no ball action. Had strong blow on 5 ½" x 2 7/8" casing-tubing annulus. Upon shutting down, 5 ½" O.D. casing went on a strong vacuum.

Raised 5 ½" Model "C" RBP, to 3470'. Set 5 ½" Model "C" packer, at 3315'. Acidized squeeze perfs, from 3344' to 3446' (12 holes), with 1900 gal of 15% MCA acid and 25 ball sealers, at an average treating rate of 4.5 BPM, and an average treating pressure of 200 psi. Observed no ball action.

Raised and set 5 ½" Model "C" packer, at 2750'. Loaded 5 ½" x 2 7/8" casing-tubing annulus. Pressure tested 5 ½" O.D. casing, from 0' to 2750', to 2500 psi. Pressure held okay.

Pulled 2 7/8" O.D. work string and 5 ½" Model "C" packer.

Rigged up Capitan Corporation. Perforated (11) 0.38" x 23" squeeze holes:

3199'	3211'	3232'	3612'
3207'	3213'	3235'	3617'
3209'	3228'	3604'	

Ran and set 5 ½" Model "C" packer, at 2500'. Loaded 5 ½" O.D. x 2 7/8" casing-tubing annulus. Pressured annulus to 2500 psi. Repaired defective cement job, and isolated water productive strata, from gas productive strata, by squeeze cementing all perforations (both production and squeeze perfs), from 2822' to 3617' (76 holes), with 1900 sx of API Class "C" neat cement, 300 sx of API Class "C" cement containing 3% $CaCl_2$, 3 lbs/sx Gilsonite, and 0.25 lb/sx Flocele, and 300 sx of API Class "C" cement containing 2% $CaCl_2$, 3.0 lb/sx

Gilsonite, and 0.25 lb/sx Flocele (total of 2500 sx). Displaced cement slurry,to 2800', with 22.6 bbls of water. Maximum squeeze pressure = 4000 psi, at 0.5 BPM. 15-min SIP = 3460 psi.

Released 5 ½" Model "C" packer. Raised packer 4 joints. Reset packer. Opened packer by-pass valve. Reversed 18 bbls of water up 2 7/8" O.D. tubing, to pit. Closed by-pass valve. Pressured 2 7/8" O.D. tubing, to 2000 psi. Rigged down Halliburton, at 9:00 P.M., CDT, 6-23-01.

Pulled and laid down 2 7/8" O.D. workstring and 5 ½" O.D. Model "C" packer.

Wellbore now temporarily abandoned, pending potential recompletion to currently non-producing Eumont (Yates-Upper 7R) interval.