

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Cons. Division
1625 N. French Dr.
HOBBS, NM 88240

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

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

2. Name of Operator
Doyle Hartman

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FNL & 1725' FEL (B), Section 30, T-24-S, R-37-E

5. Lease Designation and Serial No.
NM0321613

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Jack B-30 #2

9. API Well No.
30-025-25871

10. Field and Pool, or Exploratory Area
Jalmat / Langlie Mattix

11. County or Parish, State
Lea, New Mexico

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☒ Casing & cement repair
☐ Altering Casing
☒ Other Wellbore Integrity Test & Scale Cleanup

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 pertinent 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 markers and zones pertinent to this work.)*

For Details of Completed Repair Operations, please refer to pages 2 of 4, 3 of 4, and 4 of 4 attached hereto, and made a part hereof.

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

Signed

Title Engineer

Date 02/03/2003

(This space for Federal or State office use)

Approved by

ORIG. SGD. DAVID R. GLASS

Title

Date

Conditions of approval, if any.
FEB 3 2003

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

Page 2 of 4
BLM Form 3160-5 dated 2-03-03
Doyle Hartman
Jack "B-30" No. 2
B-30-24S-37E
API No. 30-025-25871

Details of Completed Repair Operations

Moved in and rigged up well service unit, on 1-22-03.

Pulled and laid down corroded 25-year-old rods. Laid down rod-cut 2 3/8" O.D. tubing.

Rigged up air-foam cleanout unit. Drilled and cleaned out scale and junk, to PBTD of 3650'. Circulated hole clean and dry. Shut in well for overnight pressure buildup. SICP = 31.5 psi, at 8:00 a.m., 1-24-03.

Loaded wellbore with 40 bbls of 2% KCl water. Pulled 2 7/8" O.D. work string.

Rigged up Schlumberger. Logged well, from 2800' to 3650', with DSI-CNL-GR-CCL log and VDCBL-GR-CCL log.

Ran and set 5 1/2" Model "C" RBP, at 2920'. Loaded 5 1/2" O.D. casing with 2% KCl water. Logged with VDCBL-GR-CCL log, from 0' to 2800', to finish documenting cement status on outside of 5 1/2" O.D. production casing.

| <u>Interval</u> | <u>Production Casing Cement Status</u> |
|-----------------|--|
| 0' to 1320' | No Coverage |
| 1320' to 2296' | Coverage |
| 2296' to 2620' | No Coverage |
| 2620' to 3650' | Coverage |

Found ruptured cement bonding (and no sonic signal) across perforated intervals, from 2994' to 3108' and 3474' to 3510'.

Pressured 5 1/2" O.D. casing, from 0' to 2920', to 1500 psi. Tied pump truck to 8 5/8" x 5 1/2" casing annulus. Tested 8 5/8" O.D. surface casing, by pumping down 8 5/8" x 5 1/2" casing annulus. Observed **immediate** water returns back to surface.

Laid down 2 7/8" O.D. work string. Rigged down well service unit. Moved unit to side of location.

Moved in backhoe. Dug out around 8 5/8" O.D. surface casing, **until reaching good cement**.

Rigged up welder. Removed wellhead equipment. Removed **highly corroded** and weakened

section of 8 5/8" O.D. surface casing.

Using 8 5/8" slip x slip collar, installed 8 5/8" O.D. x 42" section of new surface casing. Sealed 8 5/8" x 5 1/2" casing annulus with 8 5/8" x 5 1/2" x 1/2" steel seal ring. Welded 2" threaded tap to side of 8 5/8" O.D. surface casing. Installed 5 1/2" slip x thread collar.

Wrapped exposed casing and connections with corrosion-resistant tape. Installed 52" O.D. x 5' corrugated steel cellar can around exposed casing. Backfilled around outside of cellar can.

Hooked up pump truck. Pressured 5 1/2" O.D. casing to 1500 psi. Tied pump truck to 8 5/8" x 5 1/2" casing annulus. Pumped water down 8 5/8" x 5 1/2" casing annulus, at 4 BPM, at 200 psi, **with no returns back to surface**. Released pump truck.

Moved well service unit back onto well. Installed B & M Oil Tool 5 1/2" x 2 3/8" x 3 1/2" 3000-psi Type MR tubinghead. Installed BOP.

Rigged up Halliburton. Pressured 5 1/2" O.D. casing to 1500 psi. Cemented upper 1320' of 8 5/8" x 5 1/2" casing annulus, by squeeze cementing down 8 5/8" x 5 1/2" casing annulus (and into Rustler formation), at an average pump rate of 7 BPM, utilizing 575 sx of 15 lb/gal API Class "C" cement containing 3% CaCl₂, 5 lb/sx Gilsonite, and 0.25 lb/sx Flocele. ISIP=500 psi (squeeze gradient=1.18 psi/ft).

Released pressure on 5 1/2" O.D. casing. Filled 52" O.D. x 5' cellar can with 75 sx of API Class "C" cement containing 3% CaCl₂. Shut down for remainder of day, to allow cement to set and cure.

Hooked up pump truck. Pressure tested 5 1/2" O.D. production casing, from 0' to 2920', to 2400 psi. Casing tested okay, with no drop in pressure.

Ran 2 7/8" O.D. work string equipped with retrieving head. Hooked up air unit. Unloaded water from hole. Blew wellbore dry.

Latched onto 5 1/2" Model "C" RBP. Pulled and laid down 5 1/2" Model "C" RBP.

Ran 4 3/4" bit and 5 1/2" casing scraper, to 3650'. Pulled and laid down bit, casing scraper, and 2 7/8" O.D. work string.

Ran new 2 3/8" O.D. production tubing and 5 1/2" Model "C" packer. Set 5 1/2" Model "C" packer at 3556' (below production perfs). Pressure tested 5 1/2" O.D. casing, from 3556' to 3650', to 2500 psi. Pressure held okay. Pulled 5 1/2" Model "C" packer.

Ran 5 1/2" Model "C" packer and 5 1/2" Model "C" RBP, to perform scale cleanup and control treatment. Set 5 1/2" RBP at 3560'. Raised 5 1/2" packer to 3555'.

Hooked up Halliburton. Spotted 150 gal of FerChek acid across lower perfs, from 3457' to 3533' (12 holes). Acidized lower perfs, with an additional 1500 gal FerChek acid and 25 ball scalers, at an average treating rate of 5.0 BPM. Balled off at 3000 psi, on 23rd ball. Final rate = 5.0 BPM @ 1872 psi. 1- min SIP = 22 psi. 1.5 - min SIP = 0 psi.

Raised and set 5 1/2" RBP at 3424'. Raised 5 1/2" packer to 3126'. Spotted 150 gal of 15% FerChek acid across upper perfs.

Raised and set 5 1/2" packer at 2961'. Acidized upper perfs, from 2994' to 3108' (15 holes), with an additional 2000 gal of 15% FerChek acid and 30 ball scalers, at an average treating rate of 5.0 BPM and average treating pressure of 705 psi. Final treating rate = 5.0 BPM @ 1440 psi. Max treating pressure = 1449 psi. ISIP = 414 psi. 1 - min SIP = 0 psi.

Pulled and laid down 5 1/2" Model "C" packer and 5 1/2" Model "C" RBP.

Ran and landed bottom of 2 3/8" O.D. tubing at 3602' RKB (108 jts @ 33.09'/jt + 1.1' SN + 18' MA - 2' AGL + 11' KBC = 3601.82'). Made up wellhead. Hooked up air unit. Unloaded 43 bbls of fluid from wellbore.

Ran new 3/4" API Class "KD" rod string and 2" x 1 1/4" x 12' RHAC top-hold-down insert pump. Loaded tubing. Tested pump. Commenced pumping well, at 5:00 p.m., CST, 1-30-03, at 9 Spm x 46" x 1 1/4".