

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

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" No. 1

9. API Well No.

30-025-11284

10. Field and Pool, or Exploratory Area

Jalmat Oil

11. County or Parish, State

Lea, N.M.

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, Midland, Tx 79701 432-684-4011

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1650' FNL & 990' FEL (H)
Sec. 30, T-24-S, R-37-E, NMPM

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 Repair
☒ Set 4 1/2" O. D. Liner
☒ Other Perforated and acidized Jalmat
- ☐ 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.)

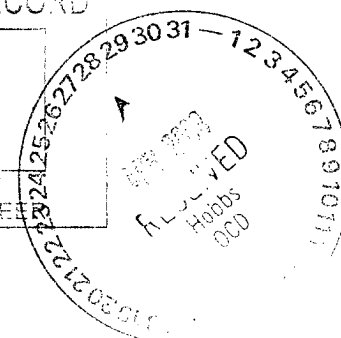
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

For Details of Completed Operations, please refer to page 2 of 5, 3 of 5, 4 of 5, and 5 of 5 attached hereto and made a part hereof.

ACCEPTED FOR RECORD

APR 23 2003

GARY GOURLEY
PETROLEUM ENGINEER



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

Signed Loretta Crawford Title Production Analyst Date 04/23/03

(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.

GW W

*See Instruction on Reverse Side

Page 2 of 5
BLM Form 3160-5 dated 04-23-03
Doyle Hartman
Jack "B-30" No. 1
H-30-24S-37E
API No. 30-025-11284

Details of Completed Operations

Move in and rigged up well service unit, on 3-31-03. Pulled rods and 2 3/8" O.D. production tubing.

Ran 2 7/8" O.D., N-80 work string, and 532' bottom-hole drilling assembly consisting of 4 3/4" button bit and (18) 3 1/2" O.D. drill collars. Pressure tested work string to 7000 psi. Tagged fill at 3304'.

Rigged up air-foam circulating unit. Cleaned out fill. Drilled 4 3/4" O.D. hole to 3700'. Circulated hole clean. Pulled bottom-hole drilling assembly.

Ran 2 7/8" O.D. work string and 321' string-mill assembly equipped with two 4 3/4" string mills. Rotated 4 3/4" string-mill assembly from 2810' to 3660' (top of fill). Rotated and circulated from 3660' to 3700'. Pulled 4 3/4" string-mill assembly.

Ran 243' under-reamer assembly consisting of 4 3/4" x 6 1/4" under reamer and (8) 3 1/2" O.D. drill collars. Under reamed open hole, as follows:

Run No.	Hole Diameter (in.)	Interval (ft.)	Net Footage	Rotating Time (hrs.)
1	6.25	2837-2880	43	4.75
		2932-3008	76	5.00
2	6.25	3008-3121	113	11.50
3	6.25	3121-3155	34	7.50
4	6.25	3358-3413	55	9.33
5	6.25	3413-3446	33	7.33
6	6.25	3446-3478	32	8.25
7	6.25	3478-3500	22	8.25

Pulled 4 3/4" x 6 1/4" under reamer.

Ran bottom-hole drilling assembly. Tagged fill at 3630'. Cleaned out fill to 3700'. Deepened 4 3/4" hole to 3715'. Circulated hole, with foam, for an additional 8.5 hrs. Pulled bottom-hole drilling assembly.

Ran 4 1/2" O.D., 11.6 lb/ft flush-joint liner (958'). Landed bottom of 4 1/2" O.D. flush-joint liner at 3711', with top of liner at 2753'. Cleared liner with 34 bbls of 2% KCl water. Pulled 2 7/8" O.D. work string and liner setting tool.

Ran 2 7/8" O.D. work string and 5 1/2" Model "C" packer. Set 5 1/2" Model "C" packer at 2596'. Squeeze cemented 4 1/2" O.D. flush-joint liner into place, with 1700 sx (400 bbls) of cement slurry consisting of 400 sx of API Class "C" cement containing 2% CaCl₂, followed by 1200 sx of API Class "C" cement containing 2.5% CaCl₂, 3 lb/sx Gilsonite, 0.25 lb/sx Flocele, followed by 100 sx of API Class "C" cement containing 1.5% CaCl₂, 3 lb/sx Gilsonite, 0.25 lb/sx Flocele. Mixed and pumped cement at an average pump rate of 11.5 BPM, and average pump pressure of 3900 psi (Maximum rate = 13 BPM). Displaced cement with 16.75 bbls of water. Final displacement rate = 0.25 BPM, at 2050 psi.

Pulled 2 7/8" O.D. work string and 5 1/2" Model "C" packer.

Ran 2 7/8" O.D. work string and 243' bottom-hole drilling assembly consisting of (8) 3 1/2" O.D. drill collars and 4 7/8" tri-cone bit. Drilled cement to top of 4 1/2" O.D. liner, at 2755'. Circulated hole clean. Pulled and laid down 2 7/8" O.D. work string and 3 1/2" O.D. drill collars.

Ran 2 3/8" O.D. tubing and 173' bottom-hole drilling assembly consisting of (6) 3 1/8" O.D. drill collars and 3 7/8" blade bit. Drilled cement to new PBTD of 3696'. Circulated hole clean. Pulled and laid down 3 1/8" O.D. drill collars.

Ran 2 3/8" O.D. tubing equipped with 3 7/8" bit and 4 1/2" casing scraper. While running tubing, pressure tested 2 3/8" O.D. tubing to 6000 psi. Pulled and laid down 3 7/8" bit and 4 1/2" casing scraper.

Rigged up kill truck. Pressure tested wellbore, from 0' to 3696', to 2800 psi. Pressure held okay.

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

Ran 2 3/8" O.D. tubing to 3638'. Hooked up high-volume air-foam circulating unit. Unloaded water from wellbore.

Rigged up Capitan Corporation wireline truck. Perforated Jalmat interval, with 3 1/8" O.D. select-fire casing gun, with (32) 0.38" x 19" holes, with one shot each as follows:

2925	2960	2998	3129	3363	3419
2934	2972	3009	3143	3368	3426
2940	2976	3013	3149	3372	
2945	2980	3018	3196	3396	
2950	2988	3022	3201	3400	
2954	2993	3031	3207	3404	

Ran 2 3/8" O.D. tubing, 4 1/2" Model "C" packer, and 4 1/2" Model "C" RBP. Set 4 1/2" Model "C" RBP at 3483'.

Raised 4 1/2" Model "C" packer to 3443'. Spotted acid across lower perms, by pumping down tubing with 250 gal of 15% MCA acid, followed by 1 bbl of 2% KCl water. Allowed acid to fall and equalize.

Raised and set 4 1/2" Model "C" packer at 3085'. Pumped an additional 250 gal of 15% MCA acid down 2 3/8" O.D. tubing. Allowed acid to soak for 15 minutes.

Acidized Jalmat perms, from 3129'-3426' (14 holes), with an additional 2500 gal of 15% MCA acid and 20 ball sealers, at an average treating rate of 4.5 BPM, and average treating pressure of 1180 psi. Flushed acid with 18.5 bbls of 2% KCl water. Max treating pressure = 1860 psi, at ballout. ISIP = 200 psi. 20-sec SIP = 0 psi.

Raised 4 1/2" Model "C" RBP to 3080', and 4 1/2" Model "C" packer to 3053'. Spotted acid across upper perms, by pumping down tubing with 200 gal of 15% MCA acid, followed by 1 bbl of 2% KCl water. Allowed acid to fall and equalize.

Raised and set 4 1/2" Model "C" packer at 2892'. Pumped an additional 250 gal of 15% MCA acid down 2 3/8" O.D. tubing. Allowed acid to soak for 15 minutes.

Acidized Jalmat perms, from 2925'-3031' (18 holes), with an additional 3150 gal of 15% MCA acid and 25 ball sealers, at an average treating rate of 4.5 BPM, and average treating pressure of 2539 psi. Flushed acid with 14.3 bbls of 2% KCl water. Max treating pressure = 3000 psi, at ballout.

Doyle Hartman

Jack "B-30" No. 1

H-30-24S-37E

API No. 30-025-11284

ISIP	=	1559 psi
5-min SIP	=	477 psi
10-min SIP	=	178 psi
15-min SIP	=	43 psi
18-min SIP	=	0 psi

Pulled and laid down 4 1/2" Model "C" packer and 4 1/2" Model "C" RBP.

Ran and landed 2 3/8" O.D. production tubing at 3584' RKB (110 jts @ 32.34'/jt + 1.1' SN + 18' MA - 3' AGL + 10' KBC = 3583.5'). Ran 3/4" API Class "KD" rod string and 2" x 1 1/4" x 12' RHAC top-hold-down insert pump. Started pumping well, at 9.5 Spm x 64" x 1 1/4", at 7:00 p.m., 4-17-03.