

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029410 (B)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

So. Maljamar Deep

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 30, T-17-S, R-32 E

12. COUNTY OR PARISH 13. STATE

Lea

N. M.

1. OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Harvey E. Yates Company, Inc.

3. ADDRESS OF OPERATOR

Suite 1000 Security National Bank Bldg., Roswell, N. M. 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

330' FSL and 1650' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3883' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Progress Report

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

17. 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.)*

- 10-17-76 At 10,128' plug back to 8995', laying drill collars down. Started running logs.
- 10-18-76 At 8995' running 4 1/2" casing.
- 10-18-76 TD @ 10,128'; PBD 8995', nipples down. Ran 117 jts. 4 1/2", K-55, 10.5 and 11.6 #/ft. ST&C casing. Total of 9,034' set at 8999' RTM. Cemented 1st. stage with 265 sx. of 50-50 class "H" pozmix, 0.5% CFR-2, 6 lbs. salt; plug down at 3:00 P.M., 10-18-76. Circ. through DV tool at 8,003'. Cemented 2nd stage with 350 sx. Halliburton Lite w/9 lbs. salt, 3 lbs. gilsonite, 1/4 lbs. flocele followed by 725 sx. of 50-50 class "C" pozmix, 6 lbs. salt, 0.5% CFR-2; plug down at 12 oclock Midnight 10-18-76. Waiting on cement; set slips.
*Note: copy of detailed casing report attached.
- 10-19-76 Rig released at 12 Noon, 10-19-76.
- 11-1-76 Rigged up pulling unit. Went in hole with bit, 4 drill collars and tubing; tagged cement at 7969' KB.
- 11.-2-76 Drilled DV Tool, baffel; plug and cement to 8992' KB, log measurements.
- 11-3-76 Swabbed tubing down to 1642'. Ran 37 stands of tubing, POH, prep to perf.
- 11-4-76 Perf. : 8938', 8942', 8950', 8954', 8956', 8960', w/one shot per ft. Pumped 32 bbls. water to load csg. and circ. acid to spot. End of tubing @ 8742', packer @ 8780'; swabbed 41 bbls./water in 2 1/2 hrs., no show. Fluid level @ 3500'.
- 11-5-76 Tubing pressure 10 psig, 1st fluid at 2100', solid fluid at 3500'. Swabbed 40 bbls. water, 6 1/2 hrs., slight show of dead oil on top of 1st run, last run slight show of live oil at top of run.

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

SIGNED

James F. Chant

TITLE Consultant

DATE 11-8-76

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

NOV 10 1976

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

*See Instructions on Reverse Side

O'BRIANT ENGINEERING COMPANY

316 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701
915 - 683-3172

JAMES F. O'BRIANT
RESIDENCE 694-8907
MOBILE 683-4044

EUGENE V. PRINTZ
RESIDENCE 694-1791
MOBILE 337-3634

W. H. GILMORE, JR.
RESIDENCE 682-5578

PECK HARDEE, JR.
RESIDENCE 683-3101
MOBILE 683-4063

Oct. 29, 1976

Mr. Fred Yates
Harvey E. Yates Co., Inc.
Suite 1000
Security National Bank Bldg.
Roswell, N. M. 88201

In Re: 4 1/2" Production Casing
South Maljamar Deep No. 1
Lea County, New Mexico

Dear Mr. Yates:

The subject well was drilled to a total depth of 10,128' KB. 818' of drill pipe and 52' of wash pipe and shoe were left in the hole with top of wash pipe fish at 9000' KB and top of drill pipe fish at 9038' KB. The inside of the drill pipe is plugged at 9762' KB.

Following a decision to attempt completion in the Lower Abo formation 4 1/2", K-55, ST&C casing was run to the top of the wash pipe fish at 9000' KB as follows:

1 - Halliburton Packer Shoe	2.75'
2 - Jts. 11.60# rough-coated casing	80.46'
1 - Halliburton Latch Down Baffle	---
6 - Jts. 11.60# rough-coated casing	230.21'
8 - Jts. 11.60# sand-blasted casing	321.79'
9 - Jts. 11.60# mill-coated casing	362.04'
1 - Halliburton DV Tool	3.08'
38 - Jts. 11.60# mill-coated casing	1,520.21'
15 - Jts. 10.50# sand-blasted casing	644.84'
97 - Jts. 10.50# mill-coated casing	4,176.25'
40 - Jts. 11.60# mill-coated casing	1,609.40'
1 - Jts. 11.60# casing (cut off)	<u>33.97'</u>

Total Pipe:	8,985.00'
KB to CHF	<u>15.00'</u>

Casing Set At:	9,000.00' KB
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Notes:

1. Top of DV Tool @ 8,000' KB.
2. Marker joint No. 1 (29.03'):

Bottom @	8877' KB
Top @	8848' KB
3. Marker joint No. 2 (31.51'):

Bottom @	6511' KB
Top @	6479.5' KB

Mr. Fred Yates
Harvey E. Yates Co., Inc.
4 1/2" Production Casing Report
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Twenty-six Halliburton centralizers were used. These were placed as follows:

- A. 10' above Packer Shoe.
- B. Around collars of joints No. 1, 2, 3, 6, 9, 12, 15, 18, 21, 24, 26, 41, 56, 63, 66, 69, 72, 75, 78, 81, 85, 95, 105, 115, and 125. The first 10 centralizers were special, and the last 16 were regular S-3.

A halliburton cement basket was placed loose on the joint below the DV Tool.

Thread lock compound was applied to the threads of the shoe, the first three joints of casing, and the top and bottom of the DV Tool.

The packer shoe was set with the rig mud pump at 950 psig after reaching bottom with the casing. The hole was then circulated for one hour. The last 50 barrels pumped was clean brine water. Full returns were noted throughout the circulating time.

Casing was cemented as follows:

- 1. Pumped 20 Bbls. fresh water.
- 2. Mixed and pumped 265 sacks 50/50 pozmix H containing 2% gel, 6#/sk. salt, and 0.5% CFR-2. Weight 14.4#/gal.; yield 1.30 cu. ft./sk.
- 3. Washed pump and lines and dropped plug.
- 4. Displaced with 20 Bbls. fresh water, followed by 120.5 Bbls. Brine.
- 5. Bumped plug with 1800 psig at 2:30 P.M., 10-18-76.
- 6. Released pressure; plug held.
- 7. Dropped bomb to open DV Tool.
- 8. Opened DV Tool with rig pump at 950 psig.
- 9. Circulated 8.5 hours with rig mud pump. Circulated out estimated 65 sacks cement.
- 10. Pumped 20 Bbls. fresh water.
- 11. Mixed and pumped 350 sacks Halliburton Light Cement containing 9#/sk. salt, 3#/sk. gilsonite, and 1/4#/sk. Flocele. Weight 12.6#/gal., yield 2.1 cu.ft./sk.
- 12. Mixed and pumped 725 sacks 50/50 pozmix C containing 2% gel, 6#/sk. salt, and 0.5% CFR-2. Weight 14.2#/gal.; yield 1.36 cu. ft./sk.
- 13. Bumped plug with 2800 psig at 11:50 P.M. 10-18-76.
- 14. Released pressure, plug held.

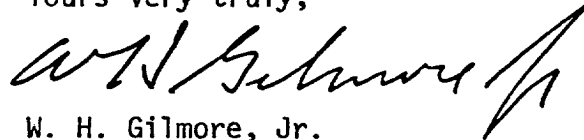
Full returns were noted throughout the cementing operations.

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String weight was 94,000# by the rig weight indicator. Approximately 74,000# were set on the casing slips.

Moranco Drilling Company personnel supervised cutting off the landing joint and installation of the slips. The original casing talley and Halliburton cementing tickets are attached.

Yours very truly,

A handwritten signature in dark ink, appearing to read "W. H. Gilmore, Jr.", with a stylized flourish at the end.

W. H. Gilmore, Jr.
Registered Professional Engineer