

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐

2. NAME OF OPERATOR

Harvey E. Yates Company

3. ADDRESS OF OPERATOR

P. O. Box 1933, Roswell, New Mexico 88201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660' FSL & 1980' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other) Log & DSTs

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE

NM-4364

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Young Deep 4 Federal

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

Wildcat

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

Sec. 4, T-18S, R-32E

12. COUNTY OR PARISH

Lea

N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

3846.9' GL

RECEIVED

AUG 11 1980

(NOTE: Report results of geologic completion or zone change on Form 9-331-C.)
U.S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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.)*

7/29/80 TD 12,951' Trip out to log, shale. Reached TD @ 1:25 a.m. 7/29/80
Ran Dresser Atlas - DLL, ML & Comp. Density & Neutron log.

7/31/80 Results of DST #5 from 12,748' to 12,951'

At 8:00 a.m. loaded DP w/1450 psi N₂ blanket. Opened tool @ 8:30 a.m.
7/3/80 w/1450 psi; @ 8:35 a.m. 1480² psi; @ 8:40 a.m. 1500 psi. Closed
tool @ 8:45 a.m. w/1520 psi for 60" SIP. Bled DP down to 950 psi.
Reopened tool @ 9:45 a.m. w/950 psi on 1/2" choke; 9:50 a.m. 800 psi;
9:55 a.m. 750 psi; 10:00 a.m. lost pkr seat w/650 psi on 1/2" choke.
At 10:10 GTS. Rec 2248' of drlg fluid. Sampler: no recovery.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

Paul Hardie

TITLE

Engineer

DATE

August 8, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

AUG 13 1980

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRESSURES		CONT'D	
IHP	15" PF	60" ISIP	10" FF
6467 psi	2372-2562 psi	6019 psi	1710 - Mistrun
6494 psi	2437-2532 psi	6045 psi	1741 - Mistrun
BOTTOM CHART		6077 psi	6462 psi
		1850 F	

Results of DST #6 (Straddle Test) from 7590' to 7740'

Opened tool @ 12:32 a.m. 7/31/80 w/weak blow; died in 25". Closed tool @ 1:05 a.m. w/no blow @ surface. Re-opened tool @ 2:02 a.m. w/no blow @ surface. Closed tool @ 3:02 a.m.; released tool @ 6:02 a.m. and POH. Rec 30' of drlg mud. Sampler: No press; 2000 cc drlg mud; Rv .1 @ 80'. Top sample Rv .04 @ 80'; CI-84,000 ppm. Mud pit sample CI-96,000 ppm.

PRESSURES

IHP	FHP	15" IF/FF	60" ISIP	60" 2nd IF/FF	180" FSIP
3439 psi	3406 psi	68/68 psi	101 psi	68/68 psi	101 psi

3/02/80 TD-12,951' running 4 1/2" csg. Formation 11 & sh; mud wgt-9.7#; vis-39; PH-9; WL-7; FC-1/32; solids-3%. 9 3/4 hrs-trip; 10 hrs-circulating and WO/O; 4 1/4 hrs-running 4 1/2" csg.

/03/80 Ran 340 fts (12,926') of 4 1/2" OD, 13 1/2# and 11.60# per Ft, N-80, LT&C csg and set @ 12,941'. Pumped 1000 gal mud flush ahead of cement. Cemented w/550 sx Class "H" with 3/4 of 1% CFR-2 and 5# KCl/sx. Displaced plug w/ fresh water @1250 psi. Bumped plug w/1500 psi. PD @ 12:10 p.m. 8/2/80. Released press; float held o.k. Installed 4 1/2" csg slips. WOC 8 hrs. ran temp. survey. TOC 11,400'. Mx depth-12,904'.

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