

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

SUNDRY NOTICES AND REPORTS ON
(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 well ☒ gas well ☐ 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' FNL & 1980' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same

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

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

MULTIPLE ZONE CHANGE ZONES

ABANDON*

ABANDON* conversion to water injection

5. LEASE
NM-16350
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Young Deep Unit
8. FARM OR LEASE NAME
9. WELL NO.
5
10. FIELD OR WILDCAT NAME
North Young Bone Springs
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T-18S, R-32E
12. COUNTY OR PARISH 13. STATE
Lea New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB. AND WD)
3864.3' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

See attached procedure and schematic.

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NOV 30 10 25 AM '83

ROSEHILL DISTRICT

Set @ _____ Ft.

Subsurface Safety Valve: Manu. and Type

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

SIGNED

TITLE Reservoir Engineer DATE 11/29/83

APPROVED

(This space for Federal or State office use)

(Orig. Sgd.) PETER W. CHESTER

TITUE

DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY _____

SUBJECT TO LIKE
APPROVAL BY STATE

DEC 9 1963



COMPLETION SCHEDULE

WELL: Young Deep Unit #5

DATE: 11/23/83

LOCATION: 660' FNL & 1980' FEL, Sec. 10, T-18S, R-32E

FIELD: North Young Bone Spring ELEVATION: 3864.3' GR TD: 8800' PBTD: 8759'

<u>CASING RECORD:</u>	<u>SIZE</u>	<u>WT. & GRADE</u>	<u>DEPTH</u>	<u>CEMENT</u>	<u>CEMENT TOP</u>
	13 3/8"	48#, 54#	645'	550 sxs	Surface
	8 5/8"	24#, 28#, 32#	4650'	2000 sxs	Surface
	4 1/2"	10.5#, 11.6#	8800'	700 sxs	5622' by CBL

FORMATION TOPS: See attached

PRESENT PERFORATIONS: 8478'-8493'

PRESENT PRODUCTION:

24 B0/22 MCF/37 BW
battery test 11/83

RECOMMENDED PROCEDURE:

- 1) See Well History Summary Sheet for well data.
- 2) Scrape parafin out of tbg prior to workover.
- 3) MI & RU CU.
- 4) Load tbg w/2% KCL & kill well.
- 5) Remove tree and install BOP.
- 6) POH w/tbg, Baker Lok-Set pkr, & unidraulic pump unit.
- 7) RU wireline perforating truck & GIH w/3 1/8" Posi-Jet Csg gun w/10.5 gm charge & .40" csg shot. Perf interval from 8493' to 8522' inclusive w/2 jspf (30'-60 holes).
- 8) RIH w/Baker Lok-Set pkr, SN, 4'-x2 3/8" marker sub, & 2 3/8" tbg. Position top of pkr @ 8408'. Use GR tool to correlate 4' marker sub for pkr positioning.
- 9) Acidize total perforations (8478'-8522') w/4000 gals double inhibited 20% Spearhead Acid 3-4 BPM and 200-1.1 RCN ballsealers. Overflush w/1000 gals H2O, SI. (Acid to contain phosphates to inhibit scale).
- 10) POH, remove 2 3/8" tbg & pkr.
- 11) GIH w/nickle plated Baker Lok-Set pkr w/nickle plated on/off tool, 1.81" profile & 8408' of 2 3/8" EUE J-55 internally plastic coated tbg.
- 12) Displace annulus w/treated pkr (ANHIB) fluid w/corrosion inhibitor & bactericidal agents.
- 13) Set pkr @ 8408'. ND BOP, NU tree. SI & install press gauges on wellhead & backside.
- 14) RD & release unit & rental equipment.

*Note: Notify Baker at least 24 hours in advance for plating pkr & on/off tool.

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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 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 18: Indicate which elevation is used as reference (enter not only the elevation, but also the name of the production from more than one interval zone (multiple completion), so state in item 22, and in item 23, source of the data). **Item 22:** If this word is completed for separate intervals, or intervals, top(s), bottom(s), and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, showing the additional data pertinent to such interval.

For each additional interval to be separately produced, showing the details of any multiple stage cementing and the location of the cementation, attach a separate report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementation. (See instruction for items 22 and 24 above.)

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

DETECT INTERVAL TESTED, CESSION 1 SEC, TIME TOOL OPEN, MOVING AND HOLD IN ARROW KEY, ETC.

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Well History Summary Sheet

Operator Harvey E. Yates Company Well Name & # Young Deep Unit #5 Lease # NM-16350
 District Roswell Made By Janet L. Dietzler Date 11/17/83
 Location B, 660' FNL & 1980' FEL, Sec. 10, T-18S, R-32E
 Spud Date 6/4/81 Compl. Date 7/24/81 TD 8800' PBD 8759'
 Type Well: Oil X Gas Other Field North Young Bone Springs
 I P Zone
 Perfs.: Total Holes
 Stimulation
 Cumul. Oil 18,286 BO 10/31/83 MCF 21,860 MCF 10/31/83 Water 3936 BW 10/31/83
 Recent Test Lift Equipment
 Misc. Elevation: 3864.3' GR

WELL HISTORY

Surface: 13 3/8°
48-54 # Gr.
 @ 645' Cmt. w/
550 Sx. TOC surface
 Hole Size 17 1/2°
 Max Mud Wt. #/G
 Intermediate:
8 5/8° 24,28,32 #
 Gr @ 4650
 Cmt w/ 2000 Sx.
 TOC @ surface Hole
 Size 11°. Max Mud
 Wt. #/G

Perforation record: Bone Spring
8478'-8493' 0.44" dia-30 shots

Acid treatment: Bone Spring
8478'-8493'
 250 gal 10% Acetic
 1500 gal 15% MSR-100, w/500 SCF N2/GGI
 and ballsealers

PROPOSED INJECTOR

*Proposed additional perforations from
8493'-8522'

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DEC 12 1983

C.C.D.
MILITARY SERVICE