Dec. 1973

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 well [X] gas well [ ] other
2. NAME OF OPERATOR
Harvey E. Yates Company
3. ADDRESS OF OPERATOR
P. O. Box 1933, Roswell, NM 88201
4. LOCATION OF WELL (REPORT LOCATION CLEARLY See space 17 below.)
AT SURFACE: 1980' FNL & 1980' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

5. LEASE
NM-16350-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Young Deep Unit
8. FARM OR LEASE NAME
9. WELL NO.
2
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
Lea
13. STATE
NM
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3844' GL

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	[ ]	[ ]
FRACTURE TREAT	[X]	[ ]
SHOOT OR ACIDIZE	[X]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[ ]	[ ]
(other)		

(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 procedure attached.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED _____ TITLE Reservoir Eng. DATE 10/11/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 10-26-84
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COMPLETION SCHEDULE

WELL: Young Deep #3 **DATE:** October 10, 1984

LOCATION: G, 1980' FNL & 1980' FEL, Sec. 10, T-18S, R-32E, Lea County, NM

FIELD: No. Young Bone Springs **ELEVATION:** 3849' GL **TD:** 9500' **PBTD:** 8415'

CASING RECORD:

SIZE	WT. & GRADE	DEPTH	CEMENT	CEMENT TOP
13 3/8"	61#	658'	750 sxs	Surface
8 5/8"	32, 28, 24#	4657'	1400 sxs	Surface
4 1/2"	11.6, 10.5#	9505	450 sxs	7654'

PBTD @ 8415'

FORMATION TOPS:

PRESENT PERFORATIONS: Sand Jet 3 holes @ 8520'-21' **PRESENT PRODUCTION:**
9286'-9290' (8 holes)
9303'-9305' (4 holes)
CIBP @ 8450' w/35' cement on top

RECOMMENDED PROCEDURE:

1) MI & RU Pulling Unit.
2) Bleed pressure off all wellhead valves, tubing, annular and bradenhead to prepare to pull 4-1/2" csg.
3) Load tbg & backside w/2% KCL.
4) ND tree, ND tbg head & remove backup primary seal if present. Weld on 4-1/2" csg stub & slip x slip collar w/straps to top of 4-1/2" csg in hole.
5) Work pipe for determining free point.
6) GIH & determine free point & cut off 4-1/2" csg. (Need to cut off @ least below 5150' if possible).
7) POH w/4-1/2" csg (7500'±).
8) GIH w/2-3/8" tbg openended & spot 100' cement plug (50' in and out) over 4-1/2" cutoff and tag. POH.
9) GIH w/7-7/8" bit, collars and 2-3/8" tbg, clean out hole to 5200'. POH.
10) GIH w/5-1/2" shoe and float collar & 5-1/2" 15.5# J-55 csg to 5200'.
11) Break circ and pump 500 gals mud flush followed w/250 sxs Cl "C" w/2% CaCl, 18% salt and 1/4% celloflake.
12) WOC 18 hrs. RU & run CBL from TD to TOC.
13) GIH & perforate 1 JSPF @ 4850',51',52',65',66',69',4909',10',16',17', and 18' (11 holes). POH.
14) GIH w/5-1/2" Model "R", SN and 2-3/8" tbg & spot 200 gals double inhibited 7-1/2% HCL w/1/2% HF, phosphates & anionic surfactants over perfs (sand matrics). Pull pkr above perfs & set, reverse acid into tbg, close bypass & break down perfs very gently.
15) Swab to test. If shows, RU to frac.
16) Frac down csg at 44 BPM w/40,000 gals 70 quality foam (gelled KCL H_2O) w/45000# 10-20 sand. Overflush 1500 gals foam. SI for 1-1/2 hrs.

17) Open to pit & flow back frac load. Est. 446 bbls fluid to recover.
18) If well dies, RD frac head & GIH w/SN & 2-3/8" tbg to circ sand off perfs. POH.
19) GIH w/5-1/2" Model "R" pkr, SN & 2-3/8" tbg & set above perfs. ND BOP, NU tree.
20) If well kicks off flowing, turn to test tank to clean up.
21) SI & build battery & turn over to pumper.

Ray F. Nokes
Reservoir Engineer
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