

N. M. OIL & GAS COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

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

(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 ☒ Water Injection Well

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' FWL
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	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☐

(other) Change tubing & equip well for water injection

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
New Mexico

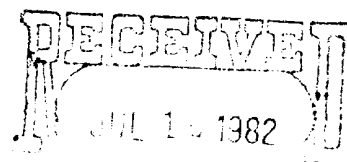
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3853.8

(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 COMPLETION SCHEDULE



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

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

SIGNED Paul Harder TITLE ENGINEER DATE July 14, 1982

APPROVED (This space for Federal or State office use)	
(Orig. 5-8-81) ENTER TO CHESTER	TITLE _____ DATE _____
APPROVED BY _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:	SUBJECT TO LIKE APPROVAL BY STATE
JUL 20 1982	
FOR JAMES A. GILLHAM DISTRICT SUPERVISOR	

COMPLETION SCHEDULE

Well: Young Deep Unit #2

Date: 6-7-82

Location: 660' FNL & 1980' FWL, Sec 10, T-18S, R-32E, Lea Co., NM

Field: North Young Bone Spring Elevation: 3853.8' GL
18.0' KB TD: 8650' PBTD: 8589'

<u>Casing Record:</u>	Size	Wt & Grade	Depth	Cement	Cement Top
	13-3/8"	54# & 68#	666'	650 sx	surface
	8-5/8"	24#, 28# & 32#	4640'	1400 sx	surface
	4-1/2"	10.5# & 11.6#	8650'	300 sx	731' by CBL

Present Tbg Depth: 8370.67'

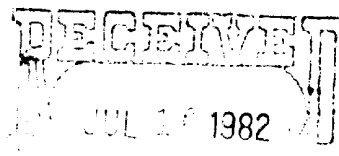
Formation Tops:

Penrose	4103'	Top of Bone Spring Pay	8444'
Bone Spring	6207'	Second Bone Spring	8598'
First Bone Spring	7880'		

Present Perforations: 8444' to 8488'

Present Production: March GOR Test - 127 BO/106 MCF on 12/64" ck & 450# FTP. GOR 835.
Pws 2436 psi @ mid-perf's (5-20-82)

Addendum to Recommended Procedure:



- 1) See Well History Summary Sheet for well data.
- 2) Scrape parafin out of tbg prior to strtg workover.
- 3) MI & RUCU.
- 4) Load tbg w/2% KCL & kill well.
- 5) Remove tree & instl BOP.
- 6) Release Baker Lok-Set Pkr & GIH w/additional 2-3/8" tbg to 8530'.
- 7) Spot 250 gals double inhibited 20% Spearhead Acid @ 8530' & POH w/2-3/8" tbg & Baker Lok-Set Pkr. (All Acid to contain Phosphates to inhibit scale.)
- 8) RU CRC & GIH w/3-1/8" Posi-Jet Csg gun w/10.5 gm charge & .40" csg shot. Perf inter fr 8500' to 8511' inclusive w/2 jspf (12' - 24 holes) and 8524' to 8528' inclusive w/2 jspf (5' - 10 holes).
- 9) GIH w/Baker Lok-Set Pkr, SN, 4' X 2-3/8" Marker Sub & 2-3/8" Tbg & position top of pkr @ 8490'. Use CRC 1-3/8" GR Tool to correlate 4' Marker Sub for pkr positioning.
- 10) Displ acid fr annulus w/2% KCL & set pkr. Pmp acid to perf's. Swb to rec load. Est press 3200# to put acid away @ 1 BPM. Do not exceed 1 BPM to avoid possible communication w/wtr zone @ 8530'.
- 11) Re-acidize w/1250 gals double inhibited 20% Spearhead Acid @ 1 BPM. Over flush w/5 to 10 bbls 2% KCL. Swb to rec load. (If well tries to flow after clean-up & rec of load, proceed to kill well).
- 12) Release Baker Lok-Set Pkr & pull to 8400' & set.
- 13) RU & acidize w/1000 gals double inhibited 20% Spearhead Acid @ 1-2 BPM. Flush w/500 gals 2% KCL.
- 14) Swb to rec load & clean up form. Then kill well w/2% KCL.
- 15) POH, remove 2-3/8" tbg to Riverside Yard. Have Baker Service re-dress Baker Lok-Set Pkr.
- 16) GIH w/Nickle Plated Baker Lok-Set w/Nickle Plated On/Off Tool, 1.875" Profile & 8400' of 2-3/8" EUE J-55 internally plastic coated tbg.
- 17) Displ annulus w/trtd pkr fluid w/corrosion inhibitor & bactericidal agents.
- 18) Set pkr @ 8400'. ND BOP, NU tree. SI & instl press gauges on wellhead & backside.
- 19) RD & release unit & rental equip.

Note: Notify Baker at least 24 hrs in advance for plating Pkr & On/Off Tool.

Ray F. Nokes

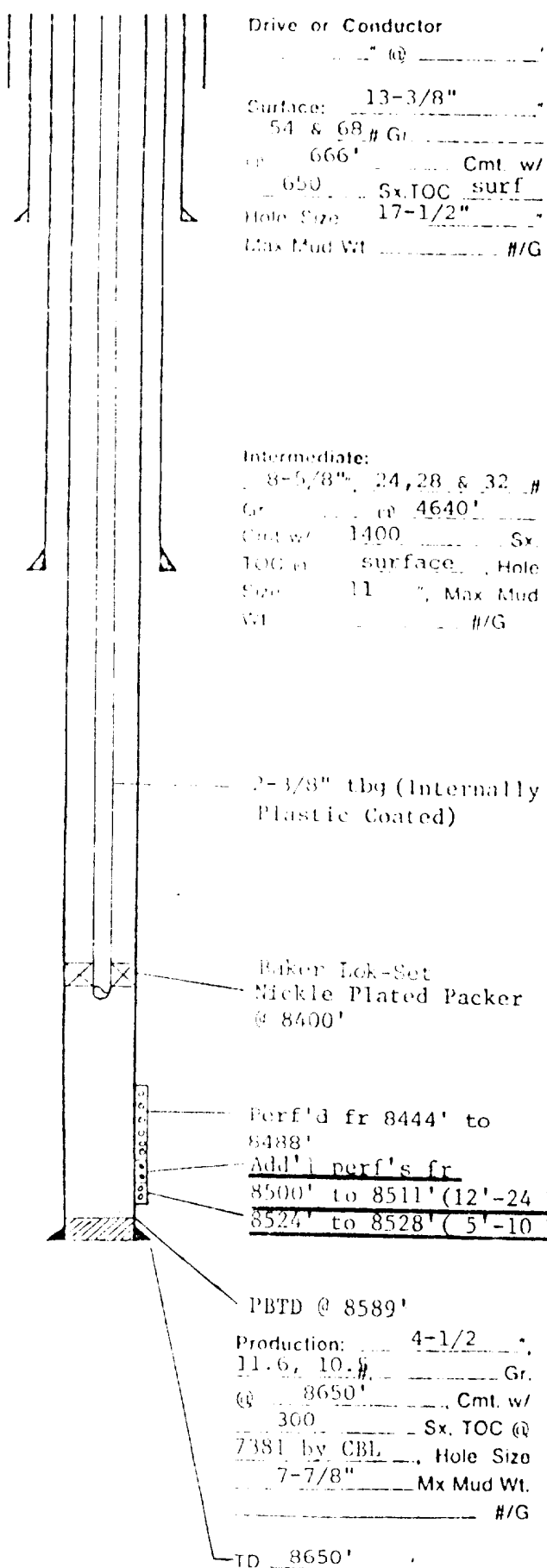
RECEIVED

JUL 21 1982

G.C.D.
HOBBY OFFICE

Well History Summary Sheet

Operator Harvey E. Yates Co. Well Name & # Young Deep Unit #2 Lease # NM 16350-
 District Roswell Made By Ray F. Nokes Date 1/4/82
 Location 660' FNL & 1980' FWL, Sec 10, T-18S, R-32E; Lea Co., NM
 Spud Date 11/5/80 Compl. Date 12/11/80 TD 8650' PBTD 8589'
 Type Well: Oil ☒ Gas ☐ Other ☐ Field Und.
 IP 129 BO/232 MCF/ 0 BW in 3 hrs @ 732 psi. Zone Bone Spring
 Perfs ** 8444' to 8488' Total Holes 42
 Stimulation 250 gals acetic acid & 2000 gals 15% MSR-100 w/500 SCF N2 per bbl.
 Current Oil 11/30/81 - 63,645 BO MCF 56,564 Water
 Recent Test Lift Equipment
 Elevation: 3853.8' GR (18')



WELL HISTORY

IPF = to 1032 BO/1857.6 MCF per 24 hrs.

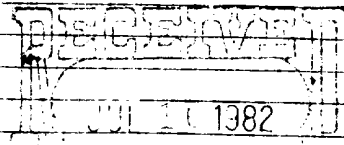
*Present daily rate (Nov) 221 BO/157 MCF

**Present perf's:			
8444-46'	2'	4	holes
8450-64'	14'	28	holes
8477-80'	3'	6	holes
8486-88'	2'	4	holes

Average treating pressure 4200 psi @ 4 BPM.
 Ball out @ 5300 psi.

Proposed additional perf's fr 8500-11' 24 h
 & 8524-28' 10 h

PROPOSED INJECTOR



OIL & GAS
 U.S. GEOLOGICAL SURVEY
 LOS ALAMOS, NEW MEXICO

Tubing 2-3/8 # Gr. @ 8400'
 Tubing # Gr. @
 Packer @