Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

RECEIVED
DEC 2 1980
U.S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM-16350-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [XX] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

7. UNIT AGREEMENT NAME: Young Deep Unit

8. FARM OR LEASE NAME:

2. NAME OF OPERATOR: Harvey E. Yates Company

9. WELL NO.: 2

3. ADDRESS OF OPERATOR: P. O. Box 1933, Roswell, New Mexico 88201

10. FIELD AND POOL, OR WILDCAT: ~~Und.~~ North Young Bone Springs

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 660' FNL & 1980' FWL
At top prod. interval reported below
At total depth

ACCEPTED FOR RECORD
PETER W. CHESTER
DEC 24 1980
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 10, T-18S, R-32E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
		Lea	N.M.

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
11/5/80	11/24/80	12/11/80	3871.8 RKB	3853.8

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8650'	8589'		→	0-8650'	---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 8444' - 8488' Bone Springs

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: CN/FD, DLL/Rxo, GR-CB Log

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54#-68#	666'	17 1/2"	650 sxs CL"C"w/2% CaCl	---
8 5/8"	24#,28#,32#	4640'	11"	1)950 sxs, DV Tool @ 1276'	2)450 sxs
4 1/2"	11.6#-10.5#	8650'	7 7/8"	300 sxs	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8371'	8371'

31. PERFORATION RECORD (*Interval, size and number*)

8444' - 8446' 1/2" dia 4 holes
8450' - 8464 1/2" dia 28 holes
8477' - 8480' 1/2" dia 6 holes
8486' - 8488' 1/2" dia 4 holes
TOTAL 42 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8444'-8488'	250 gals - 10% Acetic
8444'-8488'	2000 gal - 15% MSR-100 w/500 SCF N_2/BBL

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
12/09/80	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/11/80	3.0	24/64"	→	129	232	0	1800

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
725	0	→	1032	1857.6	0	37

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): VENTED

TEST WITNESSED BY: Micky Young

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Engineer DATE 12/15/80

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

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 and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, 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, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

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.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Red Beds	666'	1400'	
Rd Bd-Anhy	1400'	2691'	
Anhy-Gyp	2691'	3265'	
Anhy-Lime	3265'	3700'	
Lime-Gyp	3700'	4155'	
Lime-Sand	4155'	4440'	
Lime	4440'	5410'	
Lime-Shale	5410'	7260'	
Lime	7260'	7460'	
Lime-Shale	7460'	8650'	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1238'	
Base of Salt	2500'	
Yates	2720'	
Seven Rivers	3150'	
Queen	3872'	
Penrose	4103'	
Bone Springs	6270'	
1st B.S. Sand	7880'	
Bone Spring Pay	8444'	
2nd B.S. Sand	8598'	

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