Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
AUG 15 1980
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ 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 and in accordance with any State requirements*)*
At surface: 660' FSL & 1980' FEL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: 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 AND POOL, OR WILDCAT: Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 4, T-18S, R-32E
12. COUNTY OR PARISH: Lea
13. STATE: N.M.

14. PERMIT NO. / DATE ISSUED

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5/25/80	7/29/80	8/14/80	3846.9' GR	3846.9'

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
12,951'	12,891		→	0 - 12,951'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
12,767' to 12,784' Morrow

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dresser-Atlas DLL-MLL; CN-CDL; CBL-Collar

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"	54.5#	634'	17 1/2"	600 sxs	NONE
9 5/8"	40# - 36#	4880'	12 1/4"	1)1100 sxs DV Tool @ 1276'	2)550 sx NONE
4 1/2"	13.50#-11.60#	12941'	8 3/4"	550 sx	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
	NONE			

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	12,731'	12,731'

31. PERFORATION RECORD (*Interval, size and number*)
12,767' to 12,784' 1/2" dia - 64 shots

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
8/13/80	Flowing	51

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/14/80	4hrs.	32/64"		trace	583	Lite spray	---

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
550	0		trace	3500	20 (est)	

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

ACCEPTED FOR RECORD
AUG 22 1980
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

TEST WITNESSED BY: C. Wilcox

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 Neil Sarder TITLE Engineer DATE August 14, 1980

*(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.
Surface Rock	668'	1,800'	
Anhydrite	1,800'	2,600'	
Anhydrite & Gyp.	2,600'	3,085'	
Anhydrite & Li.	3,085'	3,425'	
Lime	3,425'	5,770'	
Lime & Shale	5,770'	6,323'	
Lime	6,323'	7,140'	
Lime & Shale	7,140'	9,712'	
Lime	9,712'	9,780'	
Lime & Shale	9,780'	10,063'	
me & Chert	10,063'	10,165'	
Lime, Sh & Ch	10,165'	10,280'	
Lime, Ch & Sh	10,280'	10,365'	
Lime & Shale	10,365'	10,955'	
Shale	10,955'	11,245'	
Shale & Lime	11,245'	11,288'	
Lime & Shale	11,288'	11,343'	
Shale	11,343'	11,411'	
Shale & Lime	11,411'	11,580'	
Lime & Shale	11,580'	11,774'	
Dolo., Sh & Ch	11,774'	11,856'	
Lime & Shale	11,856'	12,060'	
Shale & Lime	12,060'	12,167'	
Lime & Shale	12,167'	12,460'	
Shale	12,460'	12,600'	
Lime & Shale	12,600'	12,908'	
Shale	12,908'	12,951'	

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Rustler	1,200	
Top Salt	1,360	
Base Salt	2,490	
Yates	2,670	
Queen	3,875	
Grayburg	4,360	
Bone Springs	6,225	
1st Sand	7,940	
Young Fay	8,400	
2nd Sand	8,585	
3rd Sand	9,380	
Wolfcamp	9,480	
Pennsylvanian	11,450	
Strawn	11,565	
Atoka	11,950	
Morrow	12,185	
TD	12,951	

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