

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 ***

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____						5. LEASE DESIGNATION AND SERIAL NO. NM-14789A	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>Multiple</u>						6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Harvey E. Yates Company						7. UNIT AGREEMENT NAME Young Deep Unit	
3. ADDRESS OF OPERATOR P. O. Box 1933, Roswell, New Mexico 88201						8. FARM OR LEASE NAME _____	
4. LOCATION OF WELL (Report location clearly and in accordance with instructions on back of form) At surface 660' FNL & 660' FWL At top prod. interval reported below SAME At total depth SAME						9. WELL NO. 1	
10. FIELD AND POOL, OR WILDCAT Wildcat						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 10, T-18S, R-32E	
12. COUNTY OR PARISH Lea						13. STATE N.M.	
15. DATE SPUDDED 1-28-80		16. DATE T.D. REACHED 4-09-80		17. DATE COMPL. (Ready to prod.) 8/29/80		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3845.8' GL	
19. ELEV. CASINGHEAD 3845.8		20. TOTAL DEPTH, MD & TVD 14,095'		21. PLUG, BACK T.D., MD & TVD 13,700'		22. IF MULTIPLE COMPL., HOW MANY* Dual	
23. INTERVALS DRILLED BY 0-14,095'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8418' to 8468' 1st Bone Springs		25. WAS DIRECTIONAL SURVEY MADE NO		26. TYPE ELECTRIC AND OTHER LOGS RUN Dresser Atlas - CD & CNL, DLL/MLL, Diplog & PVTCo GR-N	
27. WAS WELL CORED NO		28. CASING RECORD (Report all strings set in well)					
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13 3/8"		48#		640'		17 1/2"	
8 5/8"		24#, 28#, 32#		4500'		11"	
5 1/2"		17#, 20#		13,944'		7 7/8"	
						CEMENTING RECORD	
						550 sx Circ. 75 sx	
						1)900 2)450 DVTool @ 1279'	
						1)1250 2)600 Perf @ 8760'	
						**Circ. 115 sx	
						AMOUNT PULLED	
						None	
						None **	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
						SCREEN (MD)	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 1/16"		8325'		Dual 8325'			
31. PERFORATION RECORD (Interval, size and number)							
8418 - 22'		1/2" dia		8 holes			
8432 - 39'		1/2" dia		14 holes			
8462 - 68'		1/2" dia		12 holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
8418' - 8468'				500 gals - 15% MSR-100			
33. PRODUCTION							
DATE FIRST PRODUCTION 8/19/80		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 8/21/80		HOURS TESTED 8.5		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. 100		CASINO PRESSURE 0		CALCULATED 24-HOUR RATE →		OIL—BBL. 381	
						GAS—MCF. 228.6	
						WATER—BBL. 51	
						OIL GRAVITY-API (CORR.) 38	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY Carol 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 Paul J. Hardee		TITLE Engineer		DATE SEP 17 1980		DATE September 10, 1980	

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

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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 23: "Packers 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.)

SEP 15 1980

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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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Red Beds	640'	1325'		Bone Springs	6245'	
Ark. & Salt	1325'	3122'		1st Bone Spgs	7905'	
Ark. & Gyp	3122'	3440'		Abo	8600'	
Lime	3440'	7556'		2nd Bone Spgs	8650'	
Lime & Shale	7556'	8508'		34d Bone Spgs	9375'	
Lime & Sand	8508'	8870'		Wolfcamp	9484'	
Lime & Shale	8870'	11350'		Strawn	11600'	
Shale	11350'	11802'		Morrow	12230'	
Lime & Shale	11802'	12927'		Mississippian	13276'	
Li, Sh & Sand	12927'	12998'		Woodford	13860'	
Shale	12998'	13051'		TD	14095'	
Lime & Shale	13051'	13117'				
Shale	13117'	13217'				
Lime & Shale	13217'	13417'				
Li, Sh & Ch	13417'	13510'				
Lime & Chert	13510'	13715'				
Lime & Shale	13715'	13827'				
Lime & Chert	13827'	13900'				
Shale	13900'	13980'				
Li, Sh, & Ch	13980'	14010'				
Lime & Shale	14010'	14095'				
Lime	14095'					