

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse)

Form approved.  
Budget Bureau No. 42-R355.5.**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. NM-4364	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Harvey E. Yates Company				7. UNIT AGREEMENT NAME Young Deep 4 Federal	
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 any State requirements) At surface 660' FSL & 660' FEL At top prod. interval reported below At total depth Same				9. WELL NO. 2	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT No. Young Bone Spring	
15. DATE SPUDDED 1/20/82				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 4, T-18S, R-32E	
16. DATE T.D. REACHED 2/15/82		17. DATE COMPL. (Ready to prod.) 3/3/82		12. COUNTY OR PARISH Lea	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.) * 3852.5' GR		19. ELEV. CASINGHEAD		13. STATE NM	
20. TOTAL DEPTH, MD & TVD 8650		21. PLUG, BACK T.D., MD & TVD 8607		22. IF MULTIPLE COMPL. HOW MANY *	
23. INTERVALS DRILLED BY		ROTARY TOOLS 0-8650		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) * 8412 - 8430 Bone Spring				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CD-CN w/GR & Caliper DIF w/GR & SP				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	48	668	17 1/2	600 SXS	None
8 5/8	28-24-32	3610	11	1500 SXS	None
5 1/2	15.5 - 17	8650	7 7/8	350 SXS	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	8306	8306			
31. PERFORATION RECORD (Interval, size and number) 8412 - 8430 w/2-1/2" dia hole/ft Total 36 holes.					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
8412 - 8430			2000 gals - 20% Spearhead Acid		
33. PRODUCTION					
DATE FIRST PRODUCTION 3/3/82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 3/22/82	HOURS TESTED 24	CHOKE SIZE 18/64	PROD'N. FOR TEST PERIOD	OIL—BBL. 389	GAS—MCF. 0
FLOW. TUBING PRESS. 500	CASING PRESSURE 720	CALCULATED 24-HOUR RATE	OIL—BBL. 425	GAS—MCF. 389	WATER—BBL. 0
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold			OIL GRAVITY-API (CORR.) 39.5		
35. LIST OF ATTACHMENTS			TEST WITNESSED BY Bob Williams		
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <i>Ray T. GS</i>		TITLE Reservoir Engineer		DATE March 26, 1982	

APR 16 1982

U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

(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 33.

**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.)

RECEIVED

APR 17 1966  
O.C.D.  
HOBBS OFFICE

37. SUMMARY OF LOGS, ZONES, SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION TEST, 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
			No cores or DST's were taken on this well.	Rustler	1209	
				Cowden	2326	
				Yates	2707	
				Yates "A"	2763	
				Seven Rivers	3136	
				Bowers	3578	
				Queen	3829	
				Penrose	4055	
				Grayburg	4324	
				Basin Facies SA	4636	
				Bone Springs	6142	
				1st BS Sd.	7810	
				Base 1st BS Sd.	7970	
				BS Dolo Pay	8321	
				2nd BS Sd	8456	
				TD	8644	