

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-40452	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Harvey E. Yates Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1933, Roswell, New Mexico 88202		8. FARM OR LEASE NAME Shoot 12 Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface P; 420' FSL & 990' FEL At top prod. interval reported below At total depth same		9. WELL NO. #2	
14. PERMIT NO. 30-025-30951		DATE ISSUED 7/19/90	
15. DATE SPUDDED 8/17/90		16. DATE T.D. REACHED 9/6/90	
17. DATE COMPL. (Ready to prod.) 10/3/90		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3857.5 GL	
19. ELEV. CASINGHEAD 3875.5		10. FIELD AND POOL, OR WILDCAT North Young Bone Springs	
20. TOTAL DEPTH, MD & TVD 9600'		21. PLUG, BACK T.D., MD & TVD 9535'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY All	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 6994-6998' Bone Spring		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL w/Micro & DN/GR		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13 3/8	54.5	375	17 1/2
8 5/8	32	2992	12 1/4
5 1/2	17	9600	7 7/8
CEMENTING RECORD			
AMOUNT PULLED Circ to surface Circ to surface TOC @ 2710'			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8	6925' SN	@ 6925'	
31. PERFORATION RECORD (Interval, size and number) 6994-6998' (4'-9 Holes)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6994-6998'		Acidz w/4500 gals 20% NEFE	
33.* PRODUCTION			
DATE FIRST PRODUCTION 10/3/90		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 10/21/90	HOURS TESTED 17 1/2	CHOKE SIZE 24/64"	PROD'N. FOR TEST PERIOD 185
OIL—BBL. 185	GAS—MCF. 172	WATER—BBL. 30	GAS-OIL RATIO 929
FLOW, TUBING PRESS. 165#	CASING PRESSURE 0	CALCULATED 24-HOUR RATE 253	GAS—MCF. 235
WATER—BBL. 41		OIL GRAVITY-API (CORR.) 33.3	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) sold			
TEST WITNESSED BY Ray Coor			
35. LIST OF ATTACHMENTS Deviation Survey & E-logs			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Vickie Teel</u> Vickie Teel		TITLE <u>Prod. Sec.</u>	
DATE <u>10/26/90</u>			

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

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Sr & Red Bed	0	1305		Rustler	1300	1300
Arhy & Salt	1305	3020		Yates	2810	2810
Arhy, Dolo & Sand	3020	4460		7 Rivers	3250	3250
Dolo, Sand & Chert	4460	6740		Bowers	3734	3734
Lime, Dolo,				Queen	4010	4010
Chert & Shale	6740	TD (9600)		Penrose	4285	4285
				Grayburg	4621	4621
				BFSa	5154	5154
				Delaware	5486	5486
				Bone Spring	6626	6626
				TD	9600	9600

38. GEOLOGIC MARKERS

RECEIVED

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HOWARD