

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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 ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐
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 1800' FNL & 2310' FWL
At top prod. interval reported below 1800' FNL & 2310' FWL
At total depth 1800' FNL & 2310' FWL

5. LEASE DESIGNATION AND SERIAL NO.
NM 40452
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Shogrin 12 Federal
9. WELL NO.
#1
10. FIELD AND POOL, OR WILDCAT
Undesignated North Young Bone Spgs
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 12, T18S, R32E
12. COUNTY OR PARISH
Lea
13. STATE
NM

14. PERMIT NO. DATE ISSUED
API #30-025-29876
15. DATE SPUDDED 4-15-87
16. DATE T.D. REACHED 5-8-87
17. DATE COMPL. (Ready to prod.) 8-26-87
18. ELEVATIONS (OF, RKB, RT, GE, ETC.)* 3892' KB
19. ELEV. CASINGHEAD 3881' GL
20. TOTAL DEPTH, MD & TVD 9315' MD
21. PLUG, BACK T.D., MD & TVD 9259
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY 0 - TD
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
8400 - 9051' Bone Spring
25. WAS DIRECTIONAL SURVEY MADE
No
26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL/FDC; DLL/MSFL
27. WAS WELL CORED
No

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# ST&C	402'	17 1/2"	400 SXS Cl "C"	Circ 61 SXS
8 5/8"	24 & 28 #	2902'	11"	1350 SXS Light & Cl "C"	Circ 225 SXS
5 1/2"	17# J-55	9315'	7 7/8"	1850 SXS Light & Cl "H"	TCC @ 2110 by CHL

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	anchor @ 8233'	SN @ 8554'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
8400, 25, 85 & 99 (4 cuts) 8878-9051 (7 holes - .41 dia)				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				8400-8499'	22,000 gals 15 & 28% NEFE acid
				8878-9051'	2500 gal 7 1/2% NEFE
				8878-9051'	Frac w/106,000 gal X-Link & 738,000# 16-30 sand.

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)
9-4-87		Pumping w/2" X 1 1/2" X 20' X 24' pump					Producing
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-4-87	24			75	40	30 load	533
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
			75	40	30 load	36.2	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
sold
TEST WITNESSED BY
John Bilberry

35. LIST OF ATTACHMENTS

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

SIGNED Ray T. [Signature] TITLE Production Manager/Engineer DATE 10/25/85

*(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.
Surface	1327'	1327'	Red Bed
1327'	2829'	2829'	Salt & Anhyd.
2829'	3279'	3279'	Anhyd. & Dolo
3279'	4040'	4040'	Dolo, Sd, Anyhd.
4040'	4623'	4623'	Dolo, Sd.
4623'	5951'	5951'	Dolo, Chrt.
5951'	6505'	6505'	Sd, Shale
6505'	9315'	9315'	Dolo, Lime, Sd

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1327'	
Yates	2829'	
7-Rivers	3279'	
Queen	4040'	
Grayburg	4623'	
Delaware	5951'	
Bone Spring	6505'	
TD	9315'	

37. SUMMARY
drill-stem,
recoveries)

FORMATION