Form 3160-4
(November 1983)
(formerly 9-330)

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

c/s F

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

RECEIVED
MAR 21 '88
O. C. D.
ARTESIA, OFFICE

2. NAME OF OPERATOR: Harvey E. Yates Company ✓

3. ADDRESS OF OPERATOR: P.O. Box 1933, Roswell, New Mexico 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 1980' FSL & 2130' FEL
At top prod. interval reported below
At total depth: same

5. LEASE DESIGNATION AND SERIAL NO.: NM-0560353
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Hale 11 Federal
9. WELL NO.: #2
10. FIELD AND POOL, OR WILDCAT: Benson Bone Spring
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 11, T19S, R30E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
30-015-25832	10/27/87	Eddy	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
1/21/88	2/6/88	2/25/88	3364.4 GL	3364.4 GL

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
8800	8714		→	All	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 8136-8166 Bone Springs

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DLL w/Micro & D-N

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	360	17 1/2	400 sks C w/2% CaCl	Circ to surface
8 5/8	24	2040	11	1000 sks filler & 200 sks C	Circ to surface
5 1/2	17	8797	7 7/8	1125 sks filler & 250 sks H	

RECEIVED
MAR 02 PM '88
CARLSBAD, NEW MEXICO
AREA MANAGER

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	8020	8024

31. PERFORATION RECORD (Interval, size and number)
8136-8166 (1 spf-7 holes)
SDS

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8136-66	2250 gals 7 1/2% & BS
	75000 gals BS60 & 122,500# 16/30

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
2/25/88	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2/26/88	24	20/64		224	246	96	1100

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
200	Ø		224	246	96	37

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): sold

TEST WITNESSED BY: Curtis Tolle

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 NM Young TITLE Drilling Superintendent DATE Feb. 26, 1988

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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.
Rd Bd & Sand	0	400	
Anhy & Salt	400	2000	
Dolo & Sand	2000	4500	
Sand	4500	6100	
Lime & Sand	6100	8100	
Sand	8100	8800	
T.D.	8800		

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	388	388
Cowden Anhy	1850	1850
Yates	2035	2035
7 Rivers	2361	2361
Bowers	2658	2658
Grayburg	3492	3492
Delaware	4527	4527
Bone Spring	6028	6028
T.D.	8800	8800