

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-15446	
2. NAME OF OPERATOR Harvey E. Yates Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 1933, Roswell, N. M. 88061		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any applicable regulations. See also space 17 below.) At surface 660' FEL & 660' FSL		8. FARM OR LEASE NAME Rebecca Crosby	
14. PERMIT NO.		9. WELL NO. 2	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4230.4' GL		10. FIELD AND POOL, OR WILDCAT Cato-San Andres	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T-7S, R-31E	
		12. COUNTY OR PARISH Chaves	
		13. STATE N. M.	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) <u>Run prod. casing, etc.</u> ☒	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

2-12-80 TD 3865' KB. Ran 96 joints (3888') 4-1/2" OD, 10.5#, 8R ST&C, R-3 used casing and set at 3865'. Cemented w/300 Sx Cl C, 50/50 Poz w/2% gel, 8# salt & 1/4# Flocele/Sx. PD at 12:15 PM 2-12-80. After 12 1/4 hours WOC ran temperature survey. TOC at 2610' KB.

2-26-80 MI completion unit. NU tubinghead and reverse unit. Ran 3 5/8" bit and drilled out 37' of shoe joint. DO TD 3847' KB. Tested casing to 1500 psi - 30 min. OK.

2-27-80 Circulate casing w/2% KCL water and spotted 250 gals 10% acetic acid from 3847' to 3474'. RU CRC wireline, ran GR-N log from 3847' - 2847'. Perf P-3 zone from 3844' - 3849' (6 holes) and 3815' - 3817' (3 holes). Total 9 shots.

2-23-80 Ran Worth Well and ran base GR & temperature log. Ran tubing and packer. Set packer at 2850' KB.

2-29-80 Displaced acid. Mx press 3000 psi. Avg 2600 psi at 1 BPM. ISIP 2200 psi. 5 min SIP 2000. Reset packer at 3791' KB. Swabbed dry. Reacidized perfs 3815' - 3817'

18. I hereby certify that the foregoing is true and correct (OVER)

SIGNED Paul J. Linder TITLE Engineer DATE 3-14-80

(This space for Federal or State office use)
1048. Sgd.) GEORGE H. STEWART
APPROVED BY _____ TITLE _____ DATE MAR 17 1980
CONDITIONS OF APPROVAL, IF ANY:

and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

and 3844' - 3849' w/1000 gals 20% NE w/15 ball sealers and R/A sand. Mx press 2400 psi Avg press 2350 psi at 1 BPM. ISIP 2400 psi 5 min SIP 2100 psi. 3-1-80 - 3-4-80 Swab tested. POH w/tubing and packer. Perf P-2 zone from 3708' - 3712' (5); 3715' (1); 3718' - 3722 (5); 3724' (1); 3728'-3732' (5); 3735' (1); 3737' - 3738' (2); 3742' (1); 3747' (1); 3750' (1); 3756' (1); 3760'-3762' (3); 3764' - 3780' (17); 3888' (1). Total 45 holes. RIH w/tubing, packer and RBP. Set RBP at 3808' & packer at 3635'. Swabbed dry. Displaced acid w/2% KCL at 1/3 BPM at 2700 psi. ISDP 2000 psi. Swab load and swab dry no show oil or gas. SITP o psi. IFL 1800'. Swab 12 BF w/show oil & gas. Acidized P-2 zone perfs 3708'-3788' (45 holes) w/5000 gals 20% NE acid & 50 ball sealers. Mx pressure 2300, avg press 1600 psi at 1 BPM. Min press 900 psi. ISDP 1000 psi. 10 min SIP 650 psi. KO flowing w/swab. Flowed 82 1/2 BF/5 hours. SITP 1000 psi. Open on 1/2" choke. FTP 300 psi. Flowing oil and acid water. Flowed 65 BL & AW/8 1/2 hours. FTP 125 psi. 2% oil and 98% AW. Flow testing. SITP 850 psi/16 hours. Flowed and swabbed 45 BF (25% oil - 75% acid and formation water. Total recovered: 138 BL & AW 30 BO, 24 BFW. SITP 500 psi/14 hours. Swab and flowed 8.75 BO & 61 1/4 BW in 7 hours. SITP 500 psi/14 hours. Swab and flowed 3 BO & 37 1/2 BW in 7 1/2 hours. SITP 500 psi/14 hours. Released packer and RBP and POH. Ran Worth GR log to detect R/A sand and evaluate acid treatment.

GPO 680-160

RECEIVED
MAR 26 1980
OIL CONSERVATION DIV.