

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Copy to SF
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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		FEB 08 1977		5. LEASE DESIGNATION AND SERIAL NO. NM-7301	
2. NAME OF OPERATOR Harvey E. Yates Company, Inc. ✓		U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 1000 Security National Bank Bldg., Roswell, New Mexico		1980' FNL & 1980' FWL		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		FEB 10 1977		8. FARM OR LEASE NAME East Lake Arthur Federal	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR, or other) 3441' GL		9. WELL NO. #1	
		G. C. C. ARTESIA, OFFICE		10. FIELD AND POOL, OR WILDCAT Wildcat Strawn	
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T-15S, R-27E	
				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:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(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.)*

- 12-15-76 Perf 4 1/2" casing w/2 SPF from 7703' - 7712' KB - Total 19 holes
- 12-16-76 Ran 255 Jts 2 3/8" OD N-80 tubing to 7641'
- 12-16-76 Acidized casing perfs 7703' - 7712' w/500 Gals 10% acetic acid. Pumped 3 BA @ 1/4 BPM @ 900 psi. Pumped 3 BA @ 1/2 BPM @ 2000 psi, 6 BA @ 1 1/2 BPM @ 2100 psi. ISDP 1850#, 5 minute SDP 1300#, 30 minute SDP 100#, bled pressure off tubing. Swabbed 27 BL&AW in 10 swabs.
- 12-17-76 Rig up Dowell & Nowsco. Pumped 10,000 SCF nitrogen into tubing. Acidized perfs 7703' - 7712' below packer @ 7647' w/3000 Gals 15% BDA w/1000 SCF nitrogen/bbl & 2 ball sealers per 4 BA. Total 99,000 SCF nitrogen & 30 ball sealers. Average treating pressure 4200 psi @ 3.2 BPM (2.1 BPM acid + 1.1 BPM nitrogen). Swabbing.
- 12-18-76 - 12-20-76 Swabbing
- 12-21-76 Tested lines to 7000 psi, pressure annulus to 1000 psi & reacidized casing perfs 7703' - 7712' via tubing w/10,000 Gals 7 1/2% HCL acid w/1000 SCF nitrogen/bbl. Used total 263,000 SCF nitrogen. Resume swabbing.
- 12-31-76 Ran RTTS packer, set @ 7741'. Swab tested casing perfs 7786' & 7788'. Swabbed well dry. Acidized casing perfs w/250 Gals 15 % NE acid. Resumed swabbing. Swabbed 30 BLW in 2 hrs. No gas recovered. No communication w/perfs 7703' - 7712'. Laid down swab and closed well in.
- 1-03-77 Released RTTS packer and began pulling out of hole.
- 1-04-77 Perf 4 1/2" casing w/4 SPF @ 7750' KB. Total 4 holes. Ran Halliburton EZSV

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

SIGNED

TITLE

Vice President

DATE February 7, 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

ACTING DISTRICT ENGINEER

DATE

FEB 9 1977

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal 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.

cement retainer on wireline & set @ 7747'KB. Ran Halliburton SV stinger on 259 Jts 2 3/8" tubing and closed well in. Spaced out and pumped 250 Gals 15% NE acid to spot. Prepare to block squeeze.

1-05-77

Pulled stinger out of ret, pumped 10 BW, mixed 50 Sx cement and pumped to spot. Set stinger & ret & squeezed w/43 Sx Cl H cement w/.6% Halad 9 into form (perfs 7786', 7778', 7750'). Max pressure 4300 psig, pulled stinger out of ret and rev out 7 Sx cement off top of ret. Did not have any returns out casing annulus during squeeze job. Prepare to swab test.

1-06-77

Rig up Dowell, pumped 3 Bbls 7 1/2% Acid & 26 1/2 Bbls 2% KCl water and loaded tubing. Prepare to re-perf 7703' - 7712' through tubing gun.

1-07-77

Ran tubing gun in hole, stopped @ 7527'. Could not work it below this point. Pulled tubing and packer out of hole. Run casing gun in hole. Hit bridge @ 7643'. Pulled casing gun out of hole and closed well in. Rig up reverse unit drilled cement 7643' - 7725'. Cleaned out to 7740' top retainer. Released reverse unit and started pulling tubing and bit out of hole.

1-08-77

Re-perforated 4 1/2" casing 7703' - 7712' w/2 SPF - Total 18 shots. Pumped 1 Bbl 7 1/2% Acid to spot. RU swab. No gas show. RD swab. Reacidize casing perfs w/23 Bbl 7 1/2% Ezyflo acid. Total 1000 Gals, @ 1.2 BPM @ 2600 psi. Closed well in.

1-09-77 - 1-12-77 Swabbing

1-13-77

Prepare to acidize. Pumped 15,000 SCF Nitrogen pad and treated casing perfs 7703' to 7712' with 3,000 Gals 7 1/2% HCC acid @ 2.2 BPM. Injected 30 ball sealers @ 1 ball per 2 1/2 Bbl acid. Resume swabbing.

1-14-77 - 1-15-77

Swabbing

1-17-77

Continue to flow test well.