

PLEASE HOLD CONFIDENTIAL

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		7. UNIT AGREEMENT NAME -----	
2. NAME OF OPERATOR BILLY J. KNOTT		8. FARM OR LEASE NAME KNOTT	
3. ADDRESS OF OPERATOR 4925 Greenville Avenue 850 One Energy Square, Dallas, Texas 75206		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 790 feet North of South line & 790 feet East of West line of Section 30 - Township 27 North - Range 12 West.		10. FIELD AND POOL, OR WILDCAT 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-T27N-R12W N.M.P.M.	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5928 GR 5933 KB	12. COUNTY OR PARISH San Juan	13. STATE New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
 FRACTURE TREAT ☐
 SHOOT OR ACIDIZE ☐
 REPAIR WELL ☐
 (Other) ☐

PULL OR ALTER CASING ☐
 MULTIPLE COMPLETE ☐
 ABANDON* ☐
 CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
 FRACTURE TREATMENT ☐
 SHOOTING OR ACIDIZING ☐
 (Other) ☒ Well History

REPAIRING WELL ☐
 ALTERING CASING ☐
 ABANDONMENT* ☐

(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.)

8-1-77 Moved in completion rig and set up with double ram B.O.P. on 4 1/2" casing. Ran 2 3/8" tubing, found bottom at approx. 1505' then pulled tubing up to 1482' and displaced hole with 2% KCl water. Pulled tubing to 1293 and spotted 126 gallons of mud clean up acid (15% HCl) across proposed perforation point of 1263-66 then pulled tubing out of hole. Jet perforated the Pictured Cliffs sand from 1263-66 with 2 shots per foot and shut well in overnight. 8-2-77 Back at location at 7:00 AM and no pressure noted on the 4 1/2" casing. Water level had fallen approx. 75' overnight. Went in hole with tubing and full bore packer in preparation to displace mud acid into formation and then swab to test the perforated zone. Packer was set at 1168' with tail pipe extending to 1301'. Attempt to pump into formation with tri-plex pump was unsuccessful in that the zone was tight and would not take the acid at sufficient rate. Max. pump press. attained was around 1200 psig then the pump engine would stall. Western Co. was then called out and the zone treated with 200 gallons of mud acid (15% HCl). Zone breakdown pressure was 1900 psig. and broke back to 1000 psig. The zone was then treated with the 200 gallons of mud acid. Swabbing commenced from approx. noon to around 4:00 P.M. Recovered all of the injected fluid and water was entering the well bore at an approx. rate of 1 bbl. between 30 min. swab intervals. Only a slight trace of gas was noted at the end of the swab run just before the water appeared. Shut down at 4:00 PM.

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(OVER)

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

SIGNED

Ashton B. Geren, Jr.

TITLE Agent - Consultant

DATE Aug. 12, 1977

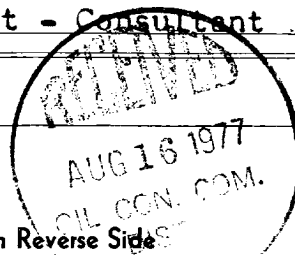
(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY

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.

8-3-77 On location at 7:00 AM and on first swab run driller estimated that fluid was approx. 400 to 500' down from surface. Recovered 800 to 900' of fluid, acid water & KCl water with trace of gas ahead of water at end of swab run. Continued to swab recovering 1 to 2 bbls. of water at 30 min. swab intervals. Gas trace becoming less. Have recovered approx. 15 bbls. of water beyond that injected to well bore. Preparing to squeeze off perfs. at 1263-66. Mixed 2 KCl water and displaced 1/2 fluid in the hole with same. Preparing to squeeze perfs. 1263-66 with 50 sx. of neat cement & 2% CaCl. Set packer at approx. 955' with 2 3/8" tailpipe open ended at 1080'. Pumped in 50 sx. of cement and displaced to approx. 1120'. This left approx. 140' of cement above perfs. and 39 sx. of cement squeezed into perforated zone 1263-66. Final squeeze pressure 1900 psig. Came out of hole with tubing and packer. Had Schlumberger perforate Fruitland sand zone with 2 shots per foot from 944-53'. Ran 2 3/8" tubing back in hole with full bore packer. Set packer at 853' and tailpipe at 957'. Ran swab and well came in on 2nd. swab run. Blew gas from well out the 2 3/8" tubing and estimated open flow rate of approx. 300 to 400 MCF/Day. After blowing approx. 30 to 45 min. very little to no fluid accompanied the gas blow. Shut well in. 8-4-77 Overnight shut-in pressure was 271 psig. and after 3 hour blow on 1 1/2" choke, the calculated open flow was 272 MCF/Day rate with very little to no fluid accompanying the blow. Released packer set and KCl water in the annulus killed the well. Pulled packer and 2 3/8" tubing and ran 29 joints of 1" IF tubing (951.65') and set at 956' (bottom joint perforated and closed at the very bottom). Released workover rig. 8-5-77 Well still logged off with tubing on slight vacuum. 8-6-77 Unloaded water from well with nitrogen (MORSCO) and left blowing to clean up. 8-7-77 After approx. 22 hours of blowing, well appeared clean (making little to no liquid with the gas). Well shut in and ready to produce.