

N. M. O. C. C. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI
(Other instruction
reverse side)

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Form approved.
Budget Bureau No. 42 R1424

5. LEASE DESIGNATION AND SERIAL NO.

NM 04473

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 proposal)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME James Ranch Unit	
2. NAME OF OPERATOR Belco Petroleum Corporation		8. FARM OR LEASE NAME James Ranch Unit	
3. ADDRESS OF OPERATOR 2000 Wilco Building, Midland, Texas 79701		9. WELL NO. 4	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2180' FSL & 330' FWL of Section 6, T-23-S, R-31-E, 14th County, New Mexico		10. FIELD AND POOL OR WILDCAT Undesignated Morrow Gas	
14. PERMIT NO. Dated 5-4-73		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 6, T-23-S, R-31-E	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3296' GR		12. COUNTY OR PARISH Eddy	
		13. STATE New Mexico	

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)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Set Liner & Complete

(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.)

Drilled 6 1/2" hole to 14,380' and ran 73 joints (2898') of 5 1/2", 20#, N-80, ABC Flush-line set as a liner at 14,380'. Circulated 5 hours and cemented with 300 sacks of Class "H" cement with 5# KCL plus 1.5% CFR-2 per sack added. Plug down at 5:45 p.m., 8-10-73. W.O.C. 18 hours. Ran 6 1/2" bit and drilled 500' of cement out of 7 5/8" casing to top of liner hanger. Ran 4 1/2" bit and drilled cement out of top of liner and circulated to bottom. POH and ran cement bond log. Installed tubing head and B.O.P.'s. Perforated Atoka Zone from 12,912'-20' with 2 jet shots per foot. Set Otis RH packer at 13,750'. Brought in Atoka Zone through annulus. Perforated Morrow Zone from 13,865-79'; 13,888-96'; 14,072-88'; and 14,110-114'. Flowed Morrow Zone to clean up same. Set tubing plug in profile in on-off tool immediately above packer at 13,750'. Opened sliding sleeve immediately above packer and circulated hole. Spotted 1500 gallons of 7 1/2% MS Acid across Atoka perforations from 12,912-920'. Attempted to pump acid into Atoka perforations without success. Circulated out acid. Installed B.O.P. and pulled tubing. Ran treating packer and retrievable bridge plug. Set retrievable bridge plug at 13,000' and packer at 12,800'. Rigged up to treat Atoka Zone with 7500 gallons gelled water with 6500# sand, 1000# glass beads and 20 tons of CO₂. During first part of fracture treatment, there was a sudden pressure drop. Unseated packer and retrieved bridge plug from a depth of 14,120'. Retrievable bridge plug had failed as had Otis RH packer at 13,750'. Fracture treatment had entered Morrow Zone. POH with RBP and packer. Ran new RBP and packer. Set RBP at 13,774' and treating packer at 12,787'. Acidized Atoka perforations with 1500 gallons of 7 1/2% MS Acid. Atoka Zone did not respond. Reperforated Atoka Zone from 12,912-20' with

(CONTINUED NEXT PAGE)

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

SIGNED

Glenn Cope

TITLE

District Engineer

DATE

10/23/73

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side