

5 - USGS, Fmn

1 - El Paso Ex. 1 - Devon
1 - McHugh 1 - File

1 - Conoco
Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ well ☒ other

2. NAME OF OPERATOR
Jerome P. McHugh

3. ADDRESS OF OPERATOR
P O Box 208, Farmington, NM 87401

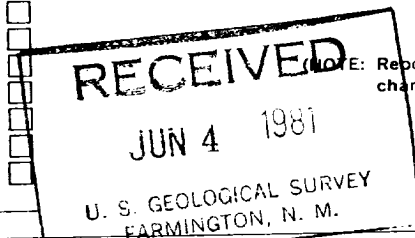
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1520' FSL - 2120' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PUL. OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:
☒ Completion



(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

See attached reports for completion:

perfs, acid, frac 5-27-81
tubing 5-28-81



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Thomas A. Dugan TITLE Agent DATE 6-1-81

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

ACCEPTED FOR RECORD

JUN 09 1981

NMOCC

*See Instructions on Reverse Side

RV FARMINGTON DISTRICT

5-18-81 7554' - Running 4½" csg.

5-1/4 hrs - trips
1/4 hr - rig service
1/2 hr - blew well
6-3/4 hrs - logging
4-1/2 hrs - lay down drill pipe
3/4 hr - change rams
1-1/2 hrs - run 4½" csg.

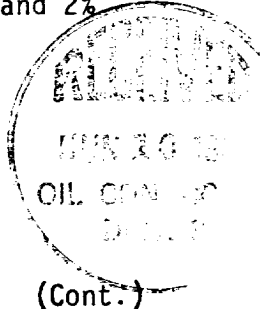
Ran Gamma Ray Ind & C.D.L. logs by Gearheart.

5-19-81 Ran 20 jts. 4½" OD, 11.6#, J-55, 8 Rd, ST&C csg. & 165 jts. 4½" OD, 10.5#, J-55, 8 Rd., ST&C csg. T.E. 7561.43' set at 7557' RKB. Cemented by Howco. Pumped 20 bbls gelled wtr. followed by 275 sx Halliburton lite w/ 13% Halad 9 - 6½# gilsonite per sk, 35% silica flour & 3/4 of 1% CFR-2 followed by 100 sx class "B" w/ .8 of 1% Halad 22-A & .3 of 1% HR-12. Maximum cementing pressure 1800 psi. Bumped plug with 2400 psi. Float held OK. P.O.B. at 9:15 a.m. 5-18-81. (Total cement slurry 789 cu.ft. - calculated cement top 2000'). Set 4½" csg. slips and released rig at 10:30 a.m. 5-18-81.

DAILY REPORTS

5-27-81 Move in and rig up MTK Inc. Nipple up well head and B.O.P. Rig up Welex and run GR-CCL correlation log from 7508' to 7100'; rig up Western Co. and load 7" - 4½" annulus w/ 17 bbls. water, 17 bbls sodium dichromate, and 17 gals x-cide. Rig up Welex and perforate Dakota Formation using 3-1/8" select-fire hollow carrier gun at 7224, 7226, 7228, 7230, 7232, 7234, 7327, 7329, 7397, 7399, 7404, 7406, 7408, 7443, 7445, 7447, 7449, 7451, 7453, 7455, 7473, and 7475 for a total of 22 holes. Rig up Western Co. and partially break-down formation w/ 57 bbls water; acidized perfs w/ 500 gals 15% HCl and 35 ball sealers. Obtain complete ball off at 4600 psi w/ 97 bbls water. Rig up Welex and run ball retriever, retrieved 34 balls w/ 19 hits. Rig up Western Co. and fracture Dakota Formation using Mini-Max III-30 gel w/ 1 gal/1000 gals aquaflo, .5 gal/1000 gals x-cide, and 2% lease condensate for fluid as follows:

15,000 gals fluid pad
10,668 gals fluid w/ 1 ppg 20-40 sand
8,736 gals fluid w/ 2 ppg 20-40 sand
*10,500 gals fluid w/ 3 ppg 20-40 sand
3,150 gals fluid w/ 4 ppg 20-40 sand
5,000 gals fluid w/ 4 ppg 10-20 sand
4,330 gals slick water flush



5-27-81 Total Sand: 85,000# 20-40 (*Procedure indicates 72,500
(Cont.) lbs of 20-40, but sand concentration during 3 ppg stage
was increased erroneously; this accounts for the excess
12,500 lbs.) 20,000# 10-20 sand

Total fluids: 53,000 gals Mini-Max III-30 gelled water
4,830 gals slick water w/ 25# FR-2

Treating Pressure: Min \pm 3200 psi, Max \pm 3650 psi, Ave \pm 3450 psi
ISDP \pm 2050 psi, 1820 psi after 10 min. shut in
Injection rate - 34 bpm.

Well shut in over night.

5-28-81 Pick up tbg. Tag sand at 7475'. All perfs clear. Ran 227
jts. of 1 $\frac{1}{4}$ ", 2.4E, V-55, 10 Rd, EUE tubing. T.E. 7364.54'
set at 7372' RKB. Well unloaded fluid for 10 hrs. Making
approx. 750 MCF/day w/ heavy spray of water at 6:00 p.m.
Well left flowing over night.

5-29-81 Well shut in for testing at 6:00 p.m. Making approx. 300
MCF/day.