

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse 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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. <b>NM-4462</b>
2. NAME OF OPERATOR <b>JOHN E. SCHALK</b>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <b>P. O. BOX 2078 FARMINGTON, NEW MEXICO 87401</b>	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 <b>1190' FROM SOUTH LINE, 890' FROM EAST LINE SECTION 33, TOWNSHIP 32 NORTH, RANGE 5 WEST</b>	8. FARM OR LEASE NAME <b>JOHN E. SCHALK-USA-62</b>
14. PERMIT NO.	9. WELL NO. <b>4</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6301 GR.</b>	10. FIELD AND POOL, OR WILDCAT <b>BASIN DAKOTA</b>
	11. SEC., T., R., E., OR BLK. AND SURVEY OR AREA <b>SEC. 33, T-32N, R-5W</b>
	12. COUNTY OR PARISH <b>RIO ARriba</b>
	13. STATE <b>NEW MEXICO</b>

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>

(Other) **WELL HISTORY** ☒

(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.)\*

4-14-73 TD 308 FT.

RAN 10 JOINTS 13-3/8", 48# H-40 CASING (308.58'), SET AT 307' WITH 330 SACKS CLASS "A" CEMENT WITH 2% CALCIUM CHLORIDE. CEMENT CIRCULATED. TEST CASING WITH 600 PSIG.

5-11-73 TD 8130 FT.

RAN 254 JOINTS 4-1/2", 10.50# & 11.60#, K-55 & H-80 CASING 8156.57', SET AT 8192' WITH DV TOOLS AT 5800' AND 3311', FIRST STAGE WITH 150 SACKS HALLIBURTON LIGHTWEIGHT 6-1/4# GILSONITE PER SACK, 150 SACKS 50/50 POZMIX CLASS "C", SECOND STAGE WITH 150 SACKS HALLIBURTON LIGHTWEIGHT 6-1/4# GILSONITE PER SACK. THIRD STAGE WITH 500 SACKS HALLIBURTON LIGHTWEIGHT 12-1/2# GILSONITE PER SACK.



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

SIGNED

TITLE OPERATOR

DATE 5-25-73

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
DATE

JUN 1 1973

\*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

## 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.

MAY 16, 1973

MEMO TO RALPH COOLEY & JOHN E. SCHALK

FRAC JOB WELL #62-4 SEC. 33-32N-5W

PERFORATED LOWER SECTION 8086-8106; 2 HOLES PER FOOT.

1 A M TUESDAY, MAY 15, 1973

PRESSURED UP ON CASING TO FRAC LOWER ZONE, GOT GOOD BREAK AT 2750# WITH 17 BBL/MIN. PUT 225 GAL 15% HCL INTO SYSTEM AND STARTED SAND. PRESSURE GRADUALLY INCREASED TO 4000# AND RATE FELL TO 4 BBL/MIN. STOPPED SAND.

8:30 A M

AGAIN TRIED TO PUMP INTO LOWER ZONE, PRESSURE 3500# RATE 6 BBL/MIN. SHUT DOWN HALLIBURTON FRAC TO PERFORATE. MIDDLE 16' OF LOWER ZONE 2 HOLE/FT. DURING PUMPING, ZONE SEEMS TO HAVE RESTRICTED OPENINGS OR IS POSSIBLY A VERY LOW PERMEABILITY ZONE AND FILLS UP.

10:00 A M

PUMPED INTO ZONE AGAIN AT 3400# 10 BBL/MIN. PRESSURE GRADUALLY INCREASED AND RATE DECREASED AS BEFORE. PUMPED 200 GALLONS OF 15% HCL INTO FORMATION WITH NO REDUCTION IN PRESSURE OR INCREASE IN RATE. AT THIS POINT, IT WAS DECIDED TO GIVE UP ON LOWER ZONE BECAUSE SUFFICIENT RATE COULD NOT BE ESTABLISHED TO CARRY SAND.

1 P M

PERFORATED 8030-38 AND TRIED TO PERFORATE 7936-46 BY SELECTIVE FIRING, UPPER ZONE DID NOT FIRE. PERFORATED 7862-68 AND 7919-28 BY SELECTIVE FIRING. GOT ZONE AT 7936-46 BY MAKING UP NEW GUN (1 HR.). PUMPED INTO UPPER ZONE, WITH NO BRIDGE PLUG TO SEPARATE FROM LOWER ZONE, AT 2200# AND 10 BBL/MIN. PRESSURE WENT TO 3500#, 16 BBL/MIN. BROKE TO 3200# 16 BBL/MIN., THEN TO 3000# AND 23 BBL/MIN. THIS WOULD SEEM TO BE UPPER ZONE AND THAT POSSIBLY INJECTION AT 2200# MIGHT HAVE BEEN INTO LOWER ZONE. AS ACID, 300 GALLONS 15% HCL, HIT FORMATION, PRESSURE BROKE SOMEWHAT AND RATE INCREASED TO MAX OF 30 BBL/MIN. STARTED SAND AT 1/2#/GALLON, INCREASED TO 3/4. AFTER MIXING 175 SX SAND DROPPED 15 BALLS, SLOWED PUMPS DOWN TO 10 BBL/MIN. AND 2700# AS BALLS APPROACHED PERFS, SAW NO EFFECT OF BALLS ON PRESSURE OR RATE. RATE DECREASED 2 BBL/MIN. BUT THIS IS ABOUT RATE OF DROP BEFORE SLOWING DOWN PUMPS. USED TOTAL OF 400 SX IN UPPER ZONE W/2276 BBL WATER. SHUT IN 2800 FELL TO 2400 IN 5 MIN. TOTAL WATER USED 3390 BBL.