

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

(Do not use this form for proposals to drill or to deepen or plug back to a well or to test a well.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐	5. LEASE DESIGNATION AND SERIAL NO. Contract #104
2. NAME OF OPERATOR Southern Union Production Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Hearville Apache
3. ADDRESS OF OPERATOR P. O. Box 808, Farmington, New Mexico 87401	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 1135 ft. from North line & 1605 ft. from East line.	8. FARM OR LEASE NAME Hearville "B"
14. PERMIT NO.	9. WELL NO. 9
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7124 ft. R.K.B.	10. FIELD AND POOL, OR WILDCAT Imperial Matured Cliffs Basin, Dakota
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T-36N, R-4W, N.M.P.M.
	12. COUNTY OR PARISH Rio Arriba
	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 ☐	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) Supplementary 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.)*

1. Drilled 9-7/8" hole w/rod to T.D. of 4035 ft. R.K.B. Ran 126 jts. of 7-5/8", 26-104, J-55 Cag. Landed at 4034 ft. R.K.B. Cemented w/150 cu.ft. HYS "C" cement and 180 cu.ft. 1-1 Blumix cement. Plug down 400 P.M. 6/17/68.
2. Hipped up and pressure tested 7-5/8" cag. & B.O.P. to 1500 psi for 10 min. Test OK.
3. Gas drilled 6-3/4" hole to T.D. of 8222 ft. R.K.B. Reached T.D. 6/22/68.
4. Ran 133 jts. (4330 ft.) of 4-1/2", 10.50#, J-55 Cag. as a liner. Bottom of liner at 8220 ft. R.K.B. Top of liner at 3890 ft. R.K.B. Cemented liner w/900 cu. ft. of cement. Plug down 9:30 P.M. 6/22/68.
5. Moved in completion unit 7/8/68. Ran 2-3/8", E.U.E. Tubing and cased out to P.R.T.D. of 8196 ft. R.K.B. Pressure tested cag. to 3500 psi for 10 minutes. Pressure did not hold.
6. Ran Gamma Ray correlation and Cement Bond Log.
7. Ran 7-5/8" Baker full bore Packer and set at 3770 ft. R.K.B. Pressure tested top of liner at 3890 ft. R.K.B. Pumped in 2 bbl./minute at 2000 psi. Spooled top of liner w/400 cu. regular cement. Job complete 11:45 P.M. 7/9/68. Pulled Packer.
8. Pressure tested cag. to 3500 psi for 10 minutes. Test OK.
9. Perforated first stage Dakota with 1 shot/ft. 8120-8137, 8160-8174, sand water from perforations w/60,000# sand, 1000# glass beads and 35,000 gal. water.
10. Set 4-1/2" bridge plug at 8050 ft. R.K.B.
11. Perforated second stage Dakota with 1 shot/ft. 7987-7991, 7998-8018. Sand water from perforations w/60,000# sand, 1000# glass beads and 43,175 gal. water.
12. Set 4-1/2" bridge plug at 3950 ft. R.K.B.

(More on page 2)

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

SIGNED

R. A. Tonderalico
R. A. Tonderalico

TITLE **Area Superintendent**

DATE **7/19/68**

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

RECEIVED

JUL 30 1968

*See Instructions on Reverse Side

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.

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July 29, 1968

13. Perforated Pictured Cliffs with 1 shot/ft. 3804-3826, Sand water frac perforations w/60,000# sand and 40,320 gal. water.
14. Ran tbg. and drilled out bridge plugs at 3950 ft. and 8050 ft. Cleaned out to P.B.T.D. of 8196 ft. R.K.B.
15. Set 4-1/2" Baker Model "D" Production Packer at 7900 ft. R.K.B.
16. Ran 249 jts of 2-3/8", 2.75#, J-55 tbg. to the Dakota. Landed in Packer at 7900 ft. R.K.B. Bottom of tubing at 7904 ft. R.K.B. Ran 40 ft. blast joints across Pictured Cliffs perforations. Top at 3769 ft. and bottom at 3829 ft. R.K.B.
17. Ran 117 jts. 1-1/2", 2.75#, I.J. R-Con tubing to the Pictured Cliffs. Landed at 3810 ft. R.K.B.
18. Well completed July 14, 1968.