

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

MM-0555078

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Helms Federal

9. WELL NO.

1-A

10. FIELD AND POOL, OR WILDCAT

**Blanco Mesaverde
Astec Pictured Cliffs**

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

**Sec. 22, T-30N, R-10W
N.M.P.M.**

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1.

OIL ☐ GAS ☒ OTHER
WELL ☐ WELL ☒

2. NAME OF OPERATOR

Southern Union Production Company

3. ADDRESS OF OPERATOR

P. O. Box 808, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

790 ft. from the North line and 1850 ft. from the West line.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6339 ft. G.L.

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) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Supplemental 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 8-3/4" hole to 3150 ft. R.K.B.
2. Ran I.E.S. logs.
3. Ran 82 jts. (3152') 7", 23#, J-55 Casing, set @ 3151' R.K.B. w/Float Collar @ 3125' K.B.. Cemented w/230 sks of 65/35/12 & 70 sks class "B" cement, plug down @ 1:35 A.M. 12/22/76.
4. Drilled 6-1/4" hole w/gas to T.D. of 5426' R.K.B.
5. Ran Gamma-Ray & Density logs.
6. Ran 40 jts. (1625') of 10.5#, K-55 & 20 jts. (757') 9.5#, J-55, 4" Casing. Set @ 5426' R.K.B. with float collar at 5400 ft. K.B. Cemented w/310 sks of 50-50 pozmix. Plug down at 2:30 A.M. 12/15/76. Did not reverse out any cement.
7. Pressure test Csg. @ 2000#, test OK.
8. Ran temperature survey and Correlation logs.
9. Perforated Mesaverde w/1 shot at following depths, (35 holes) 5300, 5293, 5291, 5288, 5285, 5283, 5277, 5275, 5273, 5264, 5262, 5260, 5258, 5255, 5251, 4731, 4729, 4727, 4722, 4718, 4716, 4714, 4712, 4710, 4708, 4649, 4647, 4641, 4639, 4637, 4634, 4632, 4625, 4623 & 4621.
10. Sand Water fraced perforations w/80,000 gals water & 80,000# 20-40 sand.
11. Ran and set Baker Model "F" 4-1/2" Production Packer & set at 4570 feet K.B.
12. Perforated Pictured Cliffs w/1 hole at following depths (15 holes) 2997, 2996, 2994, 2992, 2990, 2988, 2987, 2986, 2985, 2984, 2983, 2982, 2980, 2978 and 2976.
13. Sand Water fraced perfs w/500 gals. 15% HCL & 25,000 gals water w/25,000# 10-20 sand.
14. Ran 142 jts. (4551') 2-1/16" I.J., 3.25#, J-55 Tbg. w/1 - 6' sub & 1 - 4' sub. Landed in Baker Model "F" 4-1/2" Packer at 4570 ft. K.B.
15. Ran 91 jts. (2979') 1-1/2", I.J., 2.33#, J-55 Tbg. Landed @ 2990 ft. R.K.B.

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

16. Well Completed 1/5/77.

SIGNED

James N. Bonaventura

TITLE

Production Superintendent

DATE

January 11, 1977

(This space for Federal or State office use)

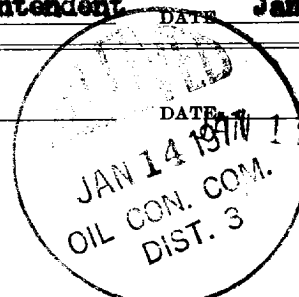
APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*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.