

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions on the
reverse side)

Form approved
Budget Bureau No. 12-10421

5. LEAD DESIGNATION AND SERIAL NO.

Jicarilla Contr. #126

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Apache

9. WELL NO.

102

10. FIELD AND POOL OR WILDCAT

West Lindrith

Gallup-Dakota

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

Sec. 2-T24N-R4W

N.M.P.M.

12. COUNTY OR PARISH 13. STATE

Rio Arriba N.M.

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 ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Manning Gas & Oil Co.

3. ADDRESS OF OPERATOR 1660 Lincoln Street, Suite 2502
Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

845' FNL, 1190' FWL

14. PERMIT NO.

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

6914' GR, 6927' DF, 6928' KB

16.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

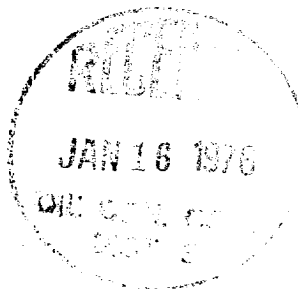
(Other)

(Other)

(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.) *

See attachment for Sandwater fracturing treatment.



For: Manning Gas and Oil Co.

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

SIGNED

Ewell N. Walsh, P. E.

(This space for Federal or State office use)

President, Walsh Engineering

& Production Corporation

DATE Jan. 13, 1976

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

MANNING GAS & OIL COMPANY
APACHE 102
Jicarilla Contract No. 126

12-11-75 PBD 7628'

Perforated Dakota 7506'-7514', 7540'-7546' & 7552'-7560', 2 per ft.
Sandwater fracture as follows:

Pad	- 8,200 gals water	Max. Treating	- 3,700 psig
Water	-40,350 gallons	Ave. Inj. Rate	- 46.0 BPM
Sand	-35,000 lbs.	Hydraulic H.P.	- 3,833 HHP
Flush	- 6,000 gallons	Inst. SIP	- 2,150 psig
Breakdown	- 3,200 psig	5 min. SIP	- 2,000 psig
Ave. Treating	- 3,400 psig	15 min. SIP	- 1,750 psig

Set cast iron bridge plug at 7480' (drilled out).

Perforated Dakota 7415'-7425', 7362'-7370' and 7348'-7354', 2 per ft.
Sandwater fracture as follows:

Pad	-10,000 gals. water	Max Treating	- 3,400 psig
Water	-79,890 gallons	Ave. Inj. Rate	- 46.0 BPM
Sand	-85,000 lbs.	Hydraulic H.P.	- 3,608 HHP
Flush	- 5,200 gallons	Inst. SIP	- 2,250 psig
Breakdown	- 2,900 psig	5 min. SIP	- 2,100 psig
Ave. Treating	- 3,400 psig	15 min. SIP	- 1,950 psig

Set cast iron bridge plug at 7284' (drilled out).

Perforated Gallup 6454'-6459', 6463'-6466', 6480'-6485', 6498'-6506',
6514'-6520', 6531'-6534', 6646'-6650' and 6658'-6662', 2 per ft.
Sandwater fracture as follows:

Pad	-10,300 gals water	Max. Treating	- 3,200 psig
Water	-146,660 gals	Ave. Inj. Rate	- 53 BPM
Sand	-150,000 lbs.	Hydraulic H.P.	- 3,767 HHP
Flush	- 4,300 gals	Inst. SIP	- 1,200 psig
Breakdown	- 1,400 psig	5 min. SIP	- 1,100 psig
Ave. Treating	- 2,800 psig	15 min SIP	- 1,000 psig



JAN 17 1976
U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C.