

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

PLEASE INDICATE DATE AND SERIAL NO.
Jicarilla Contr. 9127

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 ☐	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Hanning Gas & Oil Co.	8. FIRM OR LEASE NAME Apache
3. ADDRESS OF OPERATOR 103 Continental Oil Building, 1755 Glenarm Place, Denver, Colorado 80202	9. WELL NO. 100
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 435' from North Line, 475' from East Line Sec. 3 - T24N - R4W	10. FIRM AND POOL OR WILDCAT Undesignated
14. PERMIT NO.	11. SEC., T., R., E., OR S.E. AND SUBMERSE Sec. 3 - T24N - R4W
15. ELEVATIONS (Show whether at top, or bottom, or other point) 6876' GL, 6888' ST, 6889' KB	12. COUNTY OF PARISH, STATE Rio Arriba, New Mexico

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 ☐	LONG CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(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.)*

2-12-72
Perforate one shot per foot IES log 7307-7326', 7334'-7342', 7376'-7385', 7467'-7475', 7512'-7518' & 7526'-7542' (66'). Break down at 3900 psig. Displace 1000 gals 15% MCA with 40 rubber balls, dispersed through acid one ball per each 25 gals., very little ball action. Sandwater free Dakota Formation as follows:
Water - 45,780 gallons
Sand - 45,000, 20-40
Additives Adomite Aqua 25 lbs./1000 gal, FR-16 24 lbs./1000 gals, 1% K Cl, Morfle 1 gal/1000 gal
Flush - 9510 gallons
Breakdown - 3900 psig
Average treating - 2850 psig
Rate - 47.5 BPM
HP - 3318
Instantaneous SIP - 1700 psig
5 minute SIP - 1400 psig
15 minute SIP - 1200 psig

(See other side)

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

SIGNED W. H. Walsh	TITLE Petroleum Engineer Consultant	DATE Feb. 16, 1972
---------------------------	--	---------------------------

(This space for Federal or State office use)

APPROVED BY _____	TITLE _____	DATE _____
-------------------	-------------	------------

CONDITIONS OF APPROVAL, IF ANY:

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.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-685229
847-681
GPO 8 37-499

Set cast iron bridge plug at 7264'. Pressure test B.P. with 4000 psig. Test OK. Perforated (IRS Log) 6422'-6430', 6434'-6442', 6454'-6468', 6480'-6486', 6508'-6512', 6518'-65256, 6578'-6584', 6588'-6596' and 6600'-6614' (76'), one shot per foot. Breakdown plugs 3000 psig. Displace 1000 gallons 15% MCA with 50 rubber balls dispersed through acid one ball per each 20 gallons, no ball action. Sandwater Frac Gallup Formation as follows:
Water - 50,800 gallons
Sand - 50,000 lbs., 20-40
Additives - Adomite Aqua 25 lbs/1000 gal, FR-16
2 1/2 lbs/1000 gal, 1% K Cl, Morflo 1 gal/1000 gal
Flush - 6600 gallons
Breakdown - 3000 psig
Average Treating - 2700 psig
Rate - 48.5 BPM
RHP - 3243
Instantaneous SIP - 1200 psig
5 minute SIP - 1150 psig
15 minute SIP - 1050 psig