

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse 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		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		8. FARM OR LEASE NAME Jicarilla Apache 102	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		9. WELL NO. 16	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1070' FSL & 1450' FEL, Section 10, T-26-N, R-4-W		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
14. PERMIT NO.		12. COUNTY OR PARISH Rio Arriba	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 6796', RDB 6810'		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

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PULL OR ALTER CASING

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FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

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REPAIRING WELL

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FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Recompletion

(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.)*

TD 7340'. PBD 7305'.

Moved in service unit 1-26-70. Ran cement bond correlation log. Cement retainer set at 5910'. Squeezed Gallup perms 7174-84' with 150 sacks Class "C" neat cement. Displaced with gel treated water and spotted 500 gallons 15% HCl. Perfed 5694-5702', 5670-82', 5650-64' with 2 SPF. Fraced with total of 31,550 gallons fluid with water treated with 7 lbs. gel per 1000 gallons; 20,000 lbs. 20-40 sand, and 10,000 lbs. 10-20 sand. Dropped 20 balls after 15,000 gallons. No breakdown pressure, average treating pressure 2000 lbs. and 3000 lbs. after balls dropped. AIR 53 BPM. Set BP 5630' and perfed 5494-5505', 5404-16' with 2 SPF. Fraced with 32,340 gallons treated water and 20,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 2400 and average treating pressure 2600, AIR 55 BPM. Set BP 5380 and perfed 5336-44', 5330-40', 5318-22', 5278-90' and 5190-94' with 2 SPF. Fraced with 40,724 gallons water treated with 7 lbs. gel per 1000 gallons, 25,000 lbs. 20-40 sand, 15,000 lbs. 10-20 sand. Breakdown pressure 1700, average treating pressure 3000 and AIR 51 BPM. Dropped 20 balls after 15,000 lbs. sand. Treating pressure increased from 2700-2900. Dropped 20 balls after 30,000 lbs. sand. Pressure increased from 2800-3800. Drilled BP at 5630' and cleaned out with gas to PBD. 2-3/8" tubing landed at 5642'. Alternately shut in and blew well to clean up. Preliminary test 2-6-70 shut in 21 hours with TPC and CPC 1000 psi. Blew 3 hours with TPF 165 and CP 580 psi. Gauged 2040 MCFD.

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

SIGNED G. W. Eaton, Jr.TITLE Area EngineerDATE March 3, 1970

(This space for Federal or State office use)

APPROVED BY _____

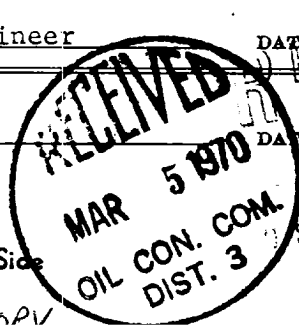
TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NHDCS CORP

U.S. GEOLOGICAL SURVEY
DISTRIBUTION