

Form 9-331
(May 1963)

**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 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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Contract 90	
2. NAME OF OPERATOR Jerome P. McHugh		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
3. ADDRESS OF OPERATOR Box 234, Farmington, NM 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 1850' FSL - 790' FEL		8. FARM OR LEASE NAME Chris	
		9. WELL NO. 3A	
		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 21, T27N, R3W	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7160' GR		
		12. COUNTY OR PARISH Rio Arriba	13. STATE NM

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT ON:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(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.)*

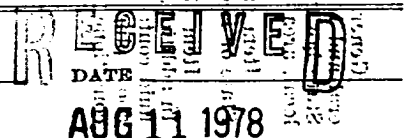
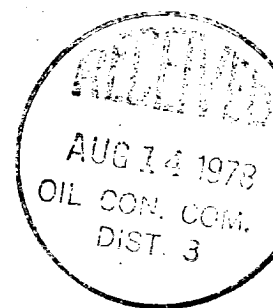
8-5-78 PBSD 6200. Blue Jet ran bond log and gamma ray correlation log. Perf one jet/ft 5746-54, 5884-89, 6108-12, 6140-6148, total of 25 holes.

CONTINUED ON BACK

18. I hereby certify that the foregoing is true and correct SIGNED <u>Thomas A. Duqan</u> TITLE <u>Petroleum Engineer</u> DATE <u>8-9-78</u>	
(This space for Federal or State office use)	
APPROVED BY _____ CONDITIONS OF APPROVAL, IF ANY:	TITLE _____ DATE _____

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO COLO.



8-7-78

PBTD 6200'. Rigged up Dowell, broke perf down. Pumped 1000 gal 15% HCl with 35 balls. Had good ball action, had 2 good press breaks. Pumping 30 B/M at 1800 psi before balls hit. Max press 4500, pumping at 2 B/M at 4000 psi, bled press off. Ran Baker 5-1/2" 15.5# gauge ring in hole on rig sand line. Tagged bottom at 6200'. POH Lost bottom nut, gauge ring and basket in hole. Made decision to leave equip. in hole. Dowell fraced MV fm using 2150 bbls water w/2# J-166/1000 gal, 75,000 lbs 20-40 sand IF 1900 psi Max 2000 psi Ave 1520 psi, Min 1300 psi Final 1500 psi ISDP 900 psi 15 min Shut in 700 psi. Ave IR 61.5 B/M. Set Baker retrievable bridge plug on wire line set at 4050 RKB. Perf one jet/ft 3848-60, 3920-30, 3980-4020 total of 62 holes. Broke fm down at 1800 psi, pumped in 37 bbls water at 32 B/M. Dowell pumped 1000 gal 15% HCl. Dropped 75 balls in acid pump rate 30B/M at 1300 psi, balls hit had two good press breaks Max press 2300 psi. At end pumping at 18 B/M 2000 psi. Did not ball off. Flowed well back. Flowed back strong. Got spent acid back. Did not flow back any balls. Blue Jet ran gauge ring. Pushed balls to bottom. Waited 2 hrs on sand and water. Fraced Pictured Cliffs fm using 2115 bbls of water with 1 gal W 46 non-emulsion agent per 1000 gal, 80,000 lbs of 10-20 sand IF 1400 psi Max 1750 psi Min 1500 psi Ave 1535 psi Final 1750 psi ISDP 750 psi 10 min 700 psi. Ave IR 60.5 B/M. Made 4 ball drops of 10 balls each. Slight decrease in injection rate on first three drops, 200 psi press increase on last drop. Shut well in overnight.