Form	9-331
(May	1963

HAUTED CTATES

SUBMIT IN TRIPLICATES

REPAIRING WELL

ALTERING CASING

(May 1963) DEP	ARTMENT OF THE INTERIOR (Other Instructions on GEOLOGICAL SURVEY	5. LEASE DENIGNATION AND BERIAL NO. Contract No. 55-A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
	NOTICES AND REPORTS ON WELLS r proposals to drill or to deepen or plug back to a different reservoir. APPLICATION FOR PERMIT—" for such proposals.)	Jicarilla Apache		
1. OIL XX GAB OWELL O	THER	7. UNIT AGREEMENT NAME		
2. NAME OF OPERATOR Dave M. Thomas	8. FARM OR LEASE NAME Chacon Jicarilla Apache "D" 9. WELL NO.			
3. ADDRESS OF OPERATOR P.O. BOX 2026	Farmington, New Mexico 87401	102		
4. LOCATION OF WELL (Report lo See also space 17 below.) At surface	10 hacon Police Willow Associated			
960'FNL, 800'F	11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA SEC. 26.23.—T23N-R3W N. M. P. M.			
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7365 G.L., 7378 D.F., 7379 K.B.	Rio Arriba N.M.		
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data				

FRACTURE TREAT ABANDONMENT* SHOOTING OR ACIDIZING ABANDON* SHOOT OR ACIDIZE (Other) . CHANGE PLANS REPAIR WELL (Norz: 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.) *

WATER SHUT-OFF

FRACTURE TREATMENT

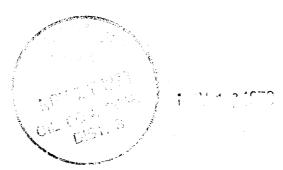
See Attached for Fracture Treatment.

PULL OR ALTER CASING

MULTIPLE COMPLETE

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF



SUBSEQUENT REPORT OF:

FOR: DAVE M. THOMAS, JR.	Or Cost.	
18. I hereby certify that the tolegang is you and correct	President, Walsh Engin	DATE 11/15/78
(This space for Federal or State office use) APPROVED BY CONNITIONS OF APPROVAL, IF ANY:	TITLE	DATE

FRACTURE TREATMENT

Formation Dakota "B" Stage	No. 1		_ D	ate <u>Nov. 5, 1978</u> Chacon Jica	
Operator Dave M. Thomas,	Jr	L	ease and		
Correlation Log	C amm	a Rav		7488' то 6	
Temporary Bridge Plug	Type	None	 	Set At	
Perforations	7334'-73 2 Pe	46' and r foot	7351'-7 type <u>3'</u> ;"	357 Glass Strip Jets	
Pad	9,900 FR-20 per 1000 gall	1000 g	allons.	Additives 1% Kcl l gallon Frac F	2 lbs.
Water		1000 g	allons.	Additives 1% Kcl 15 lbs. Adomite	
Sand	40,000	lb	s. Size	20/40	
Flush	5,000 FR-20 &	ga lgallon	llons. Frac Fl	Additives <u>1% Kcl</u> lo per 1000 gallo	. 21bs.
Breakdown	4000	psig			
Ave. Treating Pressure	3900	_psig			
Max. Treating Pressure	4000	_psig			
Ave. Injecton Rate	25	BPM			
Hydraulic Horsepower	2390	HHP			
Instantaneous SIP	2700	_psig			
5 Minute SIP	1750	_psig		. 1/ 4 2:070	
10 Minute SIP	1700	psig		1. 11 4 3 1070	
15 Minute SIP	1600	psig			
Ball Drops:	None	Balls	at	gallons	psig increa
		Balls	at	gallons_	psig
		Balls	at	gallons	increa psig increa
Remarks:			_ Wal	Sh engineering & PRODU	ICTION CORP.

FRACTURE TREATMENT

Formation Dakota A Stage	No. 2 Date Nov. 6, 1978
	Chacon Jicarilla Jr. Lease and Well Apache "D" No. 102
Operator <u>Dave M. Thomas.</u>	Gamma Ray
Correlation Log	Type Corr. Collar From 7488 To 6000
Temporary Bridge Plug	Type Howco Spped-E-Line Set At 7320'
Perforations	7,222'-7,276' 1 Per foot type 3½" Glass Strip Jets
Pad	9,800 gallons. Additives 1% Kcl. 2 lbs. FR-20 per 1000 gallons. 1 gallon Frac Flo per 1000 gallons.
Water	80,000 gallons. Additives 1% Kcl. 2 lbs. FR-20 per 1000 gallons.
Sand	80,000 lbs. Size 20/40
Flush	5,000 gallons. Additives 1% Kcl. 2 lbs. FR-20 & 1 gallon Frac Flo per 1000 gallons.
Breakdown	
Ave. Treating Pressure	3900 _psig
Max. Treating Pressure	4000 _psig
Ave. Injecton Rate	36BPM
Hydraulic Horsepower	3441 HHP
Instantaneous SIP	
5 Minute SIP	
10 Minute SIP	1850 _psig
15 Minute SIP	1750
Ball Drops:	None Balls at gallons psig
	Balls atgallonspsig
	Balls atgallonspsig increa
Remarks:	Walsh engineering & production corp.
	F F CA O A A ENGINEERING & FROD SOTION COM.