MULTIPLE COMPLETE CHANGE ZONES

ABANDON\* (other)

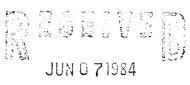
## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Dec. 1973				of the second second	Budget Bi	Ureau No. 42-R1424
Dec. 1973	UNITED :	STATES	ſ	5. LEASE		
	DEPARTMENT OF	THE INTERIOR		Contract_	390	
	GEOLOGICA			6. IF INDIAN, AL	LOTTEE OR	TRIBE NAME
				<u>Jicarilla</u>		
SHNDB	Y NOTICES AND	REPORTS ON	WELLS	7. UNIT AGREEN	1ENT NAME	Ξ
	e form for proposals to drill	or to deepen or plug bac	k to a different			
reservoir. Use F	form 9–331–C for such propo	sals.)		8. FARM OR LEA		<i>(</i>
1. oil 🔾	gas 👽			<u> Jicarilla</u>	<u>1 390 /</u>	<u></u>
well U	well XX other			9. WELL NO.		
2. NAME O	F OPERATOR			# # 2		
Robert L. Bayless			10. FIELD OR WIL		/ .	
3 ADDDES	S OF OPERATOR			Ballard F	<u>'ic. Cl</u>	iffs Ext
P.(	O. Box 1541, 1	Farmington,	NM 8749	911. SEC., T., R., N	1., OR BLK	. AND SURVEY OR
4. LOCATIO	N OF WELL (REPORT L	OCATION CLEARLY.	See space 17	AREA		
				Sec. 26,	T23N,	R4W
	FACE: 1850' FSL			12. COUNTY OR I	1	
		same		Sandoval		New Me
	AL DEPTH: same			14. API NO.		*
	APPROPRIATE BOX TO	INDICATE NATURE	OF NOTICE,			
REPORT	, OR OTHER DATA			15. ELEVATIONS	(SHOW D	F, KDB, AND WD)
REQUEST FO	OR APPROVAL TO:	SUBSEQUENT RE	PORT OF:		<del></del>	
TEST WATER						
FRACTURE			1-m			
SHOOT OR		$\overline{\mathbf{X}}$	REC	EIVED		
REPAIR WEL	=		£ 5 0 )	(NOTE: Report res	ults of multip	ole completion or zone
PULL OR A	LTER CASING	H	M/A	Y 2 4 1984 hange on	. 5.111 5 550	•

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.)\*

BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA

See attached sheet.



OIL CON. DIV. DIST. 3

Subsurface Safety Valve: Manu. and Type		Set @ Ft.
18. I hereby certify that the foregoing is true	Petroleum Engine	PATE May 23, 1984
/	This space for Federal or State office use)	
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	ACCEPTED FOR RECORD
		JUN 0 6 1984

\*See Instructions on Reverse Side

FARMINGTUN RESOURCE AREA Smm

5-22-84 Pigged up Smith Energy Services. Pressure tested casing to 4000 psi. Rigged up Basin Perforators. Ran Junk basket to PBTD of 2691' RKB to check casing ID (31 feet of rathcle below bottom perf). Ran Gumma Ray-CLL from PBTD to 2400'. Perforated Pictured Cliff interval with bi-wire glass charges at 2 JSPF as follows:

2595-2606	11'	22	holes
2640-2646	6 <b>'</b>	12	holes
2654-2660	6'	12	holes_
TOTAL	23'	46	holes

Brokedown perforations @ 2000 psi. Established rate of 10 BPM @ 1800 PSI - ISIP = 200 PSI. Acidized the Pictured Cliffs zone with 250 gallons of 7½ HCL weighted acid containing 69 1.1 s.g. RCN ball sealers - 2.5 BPM @ 300 PSI. No ball action at all. Final rate 2.5 BPM @ 350 psi. Ran junk basket to PBTD. Recovered 1 ball. Started to frac well - pad teating 20 BPM @ 2450 psi at Nitrogen rate of 7450 SCF/minute. ISIP = 1200 psi. Well teating approximately 600 psi lower than expected. Decreased nitrogen rate to 5500 SCF/minute. Fracture stimulated the Pictured Cliffs formation and 32,449 gallons of 70 quality foam containing 2% KCL water, ½ gal/1000 surfactan 36,880 lbs of 10-20 mesh sand (35,732 lbs in formation) as follows:

9,000 gal of 70 quartey roam par	20 BPM @ 2100 psi 20 BPM @ 2200 psi 20 BPM @ 2200-2350 psi
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Lost the packing in a hammer union. Shut down to fix. Well sanded off. Tried to bleed back well to pump remainder of job. Could not pump back into well. Left frac as-is with 60% of desired sand concentration in the well. Average rate 20 BPM. Average pressure 2200 psi. Maximum pressure 2350 psi. Minimum pressure 2100 psi. No ISIP taken. Nitrogen psi. Minimum pressure 2100 psi. No ISIP taken. Nitrogen rate 5500 SCF/minute. Total nitrogen pumped 168,192 SCF. Total fluid to recover 257 bbls. Shut well in for 3 hours. Total fluid to recover 257 bbls. Shut well in for 3 hours. Toward well back to the atmosphere through & diameter tapped bullplug. Well flowing to atmosphere to cleanup.