UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION	FOR PERMIT TO PRI	T, D	DEEPEN, OR PLUG BACK	
1a.	TYPE OF WORK	DECEMBE	y 5.	. LEASE NUMBER	
1h	PLUG BACK TYPE-OF WELL	11 579 5 1990	/	USA- SF -03493	
15.	GAS	OCIZON. DIV		. IF INDIAN, ALL. OR TRIBE NA	AMI
2.	OPERATOR MERIDIAN OIL INC.	OIL CON. DIV	7.	. UNIT AGREEMENT NAME HUERFANO UNIT	—
3.	P.O. BOX 4289	FOPERATOR	8.	FARM OR LEASE NAME	
	FARMINGTON, NM 87499 (505) 326-9700		9.	NP 23	
4.	LOCATION OF WELL		10.	FIELD, POOL, OR WILDCAT	
	1650' FSL; 990' FEL		11.	BASIN FRUITLAND COAL SEC. T. R. M OR BLK. SEC. 19, T26N, R09W	
14.	DISTANCE IN MILES FROM	M NEAREST TOWN	12.	COUNTY 13. STATE SAN JUAN NM	
15.	DISTANCE FROM	16. ACRES IN LE	EASE	17. ACRES ASSIGNED TO WI	<u>ELI</u>
	PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	- -		320.00	
18.	DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DE	EPTH	20. ROTARY OR CABLE TOO	īS
21.	ELEVATIONS (DF, FT, GR 6461' GL	R, ETC.)	22	2. APPROX. DATE WORK WILL STA	₹Ţ
23.	PRO	POSED CASING AND CE	MENT	ING PROGRAM	
		*SEE OPERATIONS PI	LAN		
24.	AUTHORIZED BY: Jegan	Martiel (CRB) DRY AFFAIRS		8-13-90 DATE	
PERMI	IT NO.	APPROVAL DATE			
APPRO	OVED BY	TITLE		DATE	
NOTE:	THIS FORMAT IS ISSUE				
			,	APPROVED	
	(2)			OCT 1 0 1990	
		操制的模式		Ken Town of AREA MANAGER	

Submit to Asp District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerais and Natural Resources Department

Form C-102 Revised 1-1-29

<u>DISTRICT I</u>
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT II P.O. Drawer DD, Arassia, NM 82210

Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aziec, NM 87410

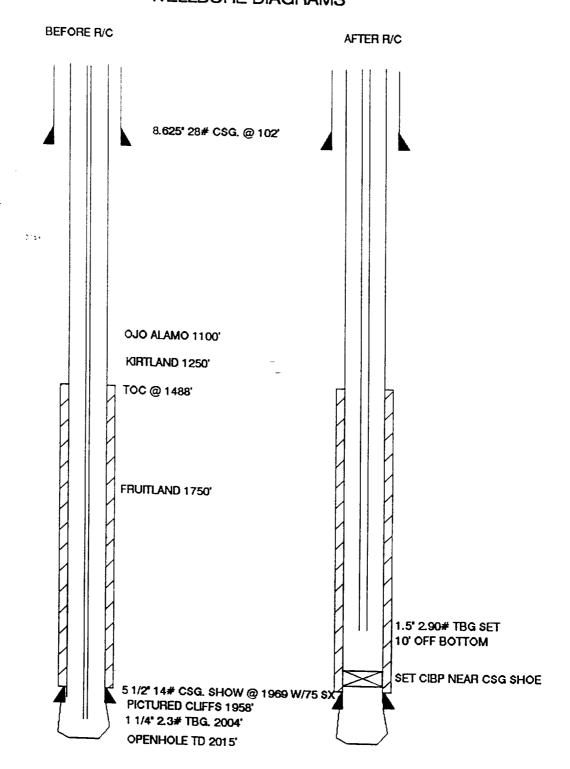
WELL LOCATION AND ACREAGE DEDICATION PLAT

El Paso Natural Gas Commission 19 Commission 19 26 North 10 26			Al Dieta	uces what pe	from the outer	boundaries of	the section		
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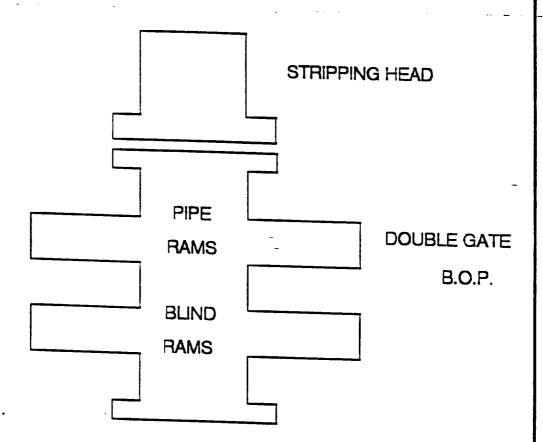
Huerfano Unit NP #23 Procedure to Recomplete Fruitland Coal

- 1. Check location anchors.
- 2. MOL and rig up daylight pulling unit with rig pump and blow tank.
- Kill PC with water as needed. ND wellhead. NU BOP. TOOH with 1" tubing.
- 4. Run CNL-GR-CCL. Set cast iron bridge plug at 1964'.
- 5. Pressure test casing to 3000 psi for 15 minutes.
- 6. Perforate the Fruitland Coal interval.
- 7. Pick up retrievable bridge plug and packer. TIH on 2 3/8" tubing. Isolate each coal interval and breakdown.
- 8. Fracture stimulate well.
- 9. Open well through variable choke and flow back slowly.
- 10. TIH with 2 3/8" tubing with expendable check on bottom. Blow well with air.
- 11. Obtain and record gauges. When returns dry up, TOOH with 2 3/8" tubing.
- 12. TIH with 1 1/2" 2.3# EUE tubing with pump out plug on bottom and common pump seating nipple one joint off bottom. Land tubing at 1944'. Nipple down BOP. Nipple up wellhead.

HUERFANO UNIT NP#23 WELLBORE DIAGRAMS



WORKOVER / RECOMPLETION B.O.P. SCHEMATIC



MINIMUM: 6" 2000 PSI DOUBLE GATE B.O.P.

MAXIMUM ANTICIPATED SHUT-IN WELLHEAD

PRESSURE IS LESS THAN 2000 PSI

56"-3750' FB-3750' TD=3800