UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



	APPI	LICATION FO	R PERMIT TO D	RILL, D	SEPEN, OR	PLUGOBAC	₹ ₹3: 26	
1a.	TYPE OF WORK PLUG BACK	N.		5.	LEASE NU		ON, N.M.	
1b.	TYPE OF WELL	SEI	P1 2 1991.	6.	IF INDIA	N, ALL. (OR TRIBE	NAM.
	GAS	OIL (CON. DIV.					
2.	OPERATOR		DIST. 3	7.	UNIT AGR	EEMENT NA	AME	
	MERIDIAN OIL INC.		A.5		HUERFANO	UNIT		
3.	ADDRESS & PHONE	NO. OF OP	ERATOR	8.	FARM OR	LEASE NAM	ME.	
	P.O. BOX 4289	97400			WELL NO.			
	FARMINGTON, NM (505) 326-9700	0/455) 3.				
					#138			
4.	LOCATION OF WEI	LL		10.	FIELD, P			
	800' FNL; 800' FWL				BASIN FR	UITLAND (
				11.				
						2, T26N, R()9W	
14.	DISTANCE IN MII	LES FROM NE	AREST TOWN	12.	COUNTY		13. STATE	<u>z</u>
					SAN JUAN		NM	
18.	DISTANCE FROM PROPOSED LOCATI TO NEAREST WELL COMPL., OR APPI FOR ON THIS LEA	DR. LIED	19. PROPOSED	DEPTH	20. R	OTARY OR	CABLE TO	OLS
21.	ELEVATIONS (DF,	FT, GR, E	TC.)	22	. APPROX.	DATE WO	RK WILL S	STAR
23.		PROPOS	ED CASING AND	CEMENT	ING PROGR	AM		
			EE OPERATIONS					
24.	AUTHORIZED BY:	SEGULATORY	hallfield (SH AFFAIRS	L)	,		25-9/ DATE	Burn y
PERM	IT NO		APPROVAL DAT	E		APPR	10120	•
APPRO	OVED BY	Т	ITLE		DATE			No. of Control of Cont
	: THIS FORMAT I (NO ADDITIONA	S ISSUED I		BLM FOR		F AREA N	1991 MANAGER RESOURCE AREA	Considerable and considerate in the constant of the constant o
	AFA				•	THE PERSON NAMED IN COLUMN	Month Control	

NMOCD

Submit to Asproprime District Office State Lease - 4 comes Foe Lease - 3 copies

State of New Mexico Energy, Minerais and Natural Resources Department

RECEIVE C-102 BLM Review 1-1-89

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

91 JUL 23 PN 3: 26 018 Fack Lighton N.M.

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

ISTRICT III 000 Rio Brazos Rd.,	Azec, NM 8741				GE DEDICAT		,	
Operator	· · · · · · · · · · · · · · · · · · ·			Lease	· · · · · · · · · · · · · · · · · · ·		'	Well No.
Meridi	an Oil I	nc.		Huer	fano Unit	(NM-01)	2736)	138
Jain Latter	Section	Township		Range	 		County	
D	22	26 No	orth	9	9 West	NMPM	San	Juan
com Footage Local	non of Well:						<u> </u>	
800	1700 11000 1000	North	line and		800	feet from	we:	stime
come level Elev.	Produ	uitland (roal	Pool Bas	sin	 ;		Dedicated Acresge:
6358'					merts on the pint b			320 Acres
3. If more unables of the second seco	than one lease of con. foste-pooling, Yes as "no" list the own f necessary. bis will be assegne	different dweening etc.? No If i	is dedicated to the narwer is "yes" typ phone which have ill interests have be	s well, have the se of consolidar accumity been o	consciidates. (Use	es been consol tiation severas ade of	, forces-poo	manustizabos,
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GALLUP PLUG AND ABANDONMENT HUERFANO UNIT #138

NO WORK IS TO BE PERFORMED OR EQUIPMENT TO BE LOCATED OFF APPROVED WELL PAD

- 1. MOL and RU. ND wellhead. NU BOP. Load hole with water.
- 2. Sting out of retainer at 5626'. Circulate hole. Spot 26 sx Class B neat cement (31 cf, 50% excess to cover 50' above the top of the Gallup) from 5626' to 5399'. Pull up to 5399' and circulate the casing with 86 bbls of 9.0 PPG mud with a minimum viscosity of 50 sec/qt. TOOH with 2-3/8" 4.7# J-55 tubing. Tag cement top with wireline after 4 hours.
- 3. Perforate 4 squeeze holes at 3560'. Establish a rate into the perforations with water. Set a 4-1/2" cement retainer at 3460'. TIH with 2-3/8" tubing and sting into test position in cement retainer. Pressure test tubing to 1000 psi. Release pressure. Squeeze below retainer with 50 sx of Class B neat cement (59 cf, 100% excess to cover 50' above the top of the Cliff House). Sting out of cement retainer and spot 6 sx Class B neat cement on top of cement retainer (7cf, 81' in 4-1/2" casing). TOOH.
- 6. Proceed with Fruitland recompletion.

Vendors

Wireline and Retainer: Petro

Cement: DS

Approve:			
	R.	F.	Headrick

RECOMPLETION PROCEDURE HUERFANO UNIT #138

NO WORK IS TO BE PERFORMED OR EQUIPMENT TO BE LOCATED OFF APPROVED WELL PAD

- 1. Load hole with water. NU low pressure packoff.
- 2. Run GR-CCL-CNL from 1980'-980'. Pick perforations from log. TIH with 4-1/2" cement retainer and set at 1980'. TOOH.
- 3. Pressure test casing to 1000 psi for 15 minutes. If casing fails, isolate casing leak(s) with a test packer. A squeeze procedure will be provided if the casing has not been compromised beyond repair.
- 4. Perforate using 3-1/8" HSC guns with 16 gram GOEX HSC XVI (or equivalent) charges. Shoot 2 SPF for an estimated total of 40 holes.

Projected zones: To be selected from CNL log run.

- 5. TIH with 4-1/2" isolation tool with a 2' spacer and straddle each set of perforations. Wash perforations using 10 gallons of 15% HCl acid (mixed with 5% xylene mutual solvent) per foot of perforations and a quaternary amine-type clay stabilizer at 3gal/1000gal. Pump at a rate of 1/2 BPM. TOOH.
- 6. TIH with 2-3/8" tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight. Check well for buildup pressure and gas flow.
- 7. TIH with 2-3/8" tubing and clean out to 1980'.
- 8. Land 2-3/8" 4.7# EUE tubing with an expendable check on bottom, and a common pump seating nipple one joint off bottom. Land tubing 10 feet above bottom perforation. Swab well in. Record final 30, 45, and 60 minute gauges on morning report. ND BOP. NU tree. RD and release rig.
- 9. Evaluate well's performance for possible fracture stimulation. A fracture stimulation procedure will be provided if necessary.

<u>Vendors</u>

Wireline and Perforating: Petro

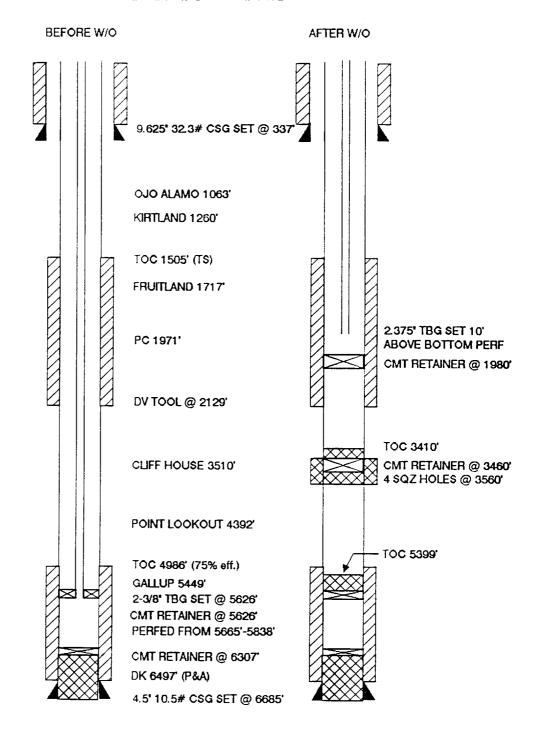
Perf. Breakdown: DS

Approve:						
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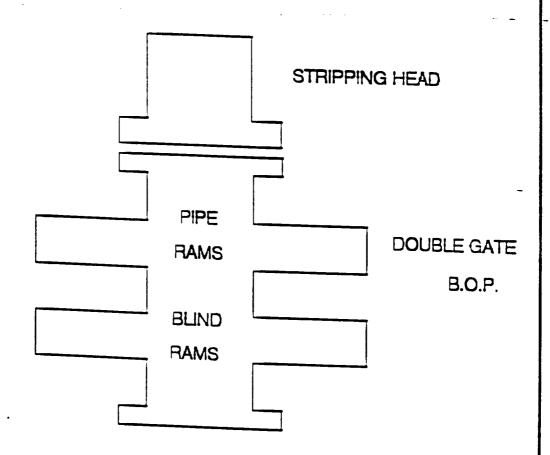
R. F. Headrick

HUERFANO UNIT #138

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