(Formerly 9-331)	UN D STATES MEN I OF THE INTERIOR OF LAND MANAGEMENT	CONTACT RECEIVING OFFICE FOR NUMBI OF COPIES REQUIRL (Other instructions on reverse side)	BLM Roswell Dist Modified Form No. NM060-3160-4 5. LEASE DESIGNATION A NM-13997	CISI
(Do not use this form for proposal	CES AND REPORTS ON s to drill or to deepen or plug back to XN FOR PERMIT-" for such proposals.)		6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1. OIL SAS OTHER			7. UNIT AGREEMENT NAN	AE
2. NAME OF OPERATOR Meridian Oil Inc.		DEC 12'90	8. FARM OR LEASE NAMI Brushy Federal	Ε
3. ADDRESS OF OPERATOR		3a. AREA CODE & PHONE NO.	9. WELL NO.	
21 Desta Dr., Midland, TX	79705	915-686-9660 D.	1	
See also space 17 below.) At surface 330' FNL & 1700' FWL			Brushy Draw (Do 11. SEC., T., R., M., OR BI SURVEY OR AREA Sec. 35, T26S,	LK. AND
14. PERMIT NO.	15. ELEVATIONS (Show whether DF,	RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
	2862' GR.		Eddy	NM
16. Check A	opropriate Box To Indicate	Nature of Notice, Report	t, or Other Data	
NOTICE OF INTENTION	IN TO:	SUBSEQUE	NT REPORT OF:	
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) Add More Delaware F	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS Pay X		REPAIRING WE ALTERING CAS ABANDONMENT f multiple completion on M etion Report and Log form	ING T*
17. DESCRIBE PROPOSED OR COMPLETED OF posed work. If well is directionally work.)*	PERATIONS (Clearly state all pertinent det drilled, give subsurface locations and	tails, and give pertinent dates, inclu	ding estimated date of st	arting any pro-

Recomplete to add more Delaware pay (procedure and well bore diagrams attached).

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	<u>J</u> 6,	

18. I hereby certify that the foregoing is true and correct SIGNED	TITLE	Sr. Staff Env./Reg. Spec.	DATE	05 December 1990
(This space for Federal or State office use)				
APPROVED BY	TITLE		DATE	12-7 90

*See Instructions on Reverse Side

Brushy Federal No. 1 Brushy Draw Field Eddy County, New Mexico

Project Engineer:	K. L. Midkiff	Office:	(915) 6 86- 5714	
		Residence:	(915) 686-8650	

- 1. MIRU PU, ND WH, NU BOP. POOH with rods, pump and tubing. LD rods.
- 2. RIH with casing scraper to PBTD. POOH. RIH with treating packer to 4800', set packer. Mix 10 gallons of Unichem Techni-Clean 420 in 10 barrels of 2% KCl water and pump down tubing at 1 BPM. Mix 2 drums of Unichem XFE converter in 8 barrels of 2% KCl and pump down tubing at 1 BPM. Flush to bottom perf with 2% KCl water. Release packer and pull up to 3500'. Load hole with treated 2% KCl water (same as breakdown fluid) and POOH.
- 3. Set CIBP at 3400'. Test casing and plug to 3500 psi.
- 4. RIH with 2 1/2" casing gun and perforate 2 SPF at 2956'-2978' (44 shots), 2982'-2990' (16 shots), and 2993'-3012' (38 shots). POOH with wireline.
- 5. MIRU stimulation company. NU surface lines and test to 3000 psi. Breakdown Bell Canyon with 3000 gallons of treated 2% KCl water and 147 7/8" RCNBS (Sp. Gr. = 1.3). Pump down casing. Run gauge ring and junk basket to knock balls off.

Treating Rate =	8 BPM
Anticipated Pressure =	1400 psi
Maximum Pressure =	2800 psi

6. Fracture stimulate Bell Canyon down casing with 20000 gallons of 65-Quality N_2 foam and 64100 lbs of 12/20 mesh Ottawa Sand. Pump at 20 BPM.

Treating Rate =	20 BPM
Anticipated Pressure =	1500 psi
Maximum Pressure =	2800 psi

Brushy Fed. No. 1 Procedure Page Two

<u>Stage</u>	Fluid	ppg	<u>Volume (gal)</u>	
Pad	65-Q Foam	0	7000	
1	65-Q Foam	1-3 (Ramp)	3000	
2	65-Q Foam	3-8 (Ramp)	8000	
3	65-Q Foam	8	2000	
Flush	65-Q Foam	0	1750	

Shut well in for 90 minutes, then start to flow well back.

7. RIH with bit and knock out CIBP. Clean out ot PBTD. RIH with MA, PN, SN and tubing to 2900'. Run pump, 2075' of 7/8" steel rods and 825' of 1" fiberglass rods (both from Pecos Fed. #1-Y) ND BOP, NU WH. Space out and put on pump. Production personel will lower tubing in 10 days. Report rates to Midland office. Also run Stanly Filter with pump (contact Jerry Sparks for filter).

Approved:___

T J. Harrington

_____ Date:____



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NOTE: HOLE HAS UP TO 5 1/2 DEGREES INCLINATION

Brushy Federal No. 1 Brushy Draw Field Eddy County, New Mexico

MECHANICAL DATA

Tubing		Casing	Production	Casing	Intermediate	Surface Casing	Type Tubular:
2 3/8		4 1/2	4 1/2		9 5/8	13 3/8	OD (in)
1.995	DV To	4.090	4.052		8.921	12.715	ID (in)
4.7	DV Tool at 4291'-4294'	9.5	10.5		36	48	Weight (#/ft)
N-80)1'-4294'		K- 55		K-55	H-40	Grade
8rd EUE		ł	I		1	1	Conn.
4900	-	4673-5991	0-4673		2914	320	Depth (ft)
11780		3310	4010		2020	770	Collapse (psi)
11200		4380	4790		3520	1730	Burst (psi)
0.00387		0.0162	0.0159		0.0773	0.1570	Capacity (BPF)
	(CBL)	3000			Surf	Surf	TOC (ft)

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