UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



	APPLICATION FOR PERMIT TO DRI	
	TYPE OF WORK PLUG BACK TYPE OF WELL	5. LEASE NUMBER CTOIL, N.M. SF 080636
	GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2.	OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME HUERFANO UNIT
3.	ADDRESS & PHONE NO. OF OPERATOR P.O. BOX 4289 FARMINGTON, NM 87499 (505) 326-9700	8. FARM OR LEASE NAME HUERFANO UNIT 9. WELL NO. 219
4.	LOCATION OF WELL 1650' FSL, 1090' FEL	10. FIELD, POOL, OR WILDCAT ANGEL PEAK GALLUB 11. SEC. T. R. M OR BLK SECTION 29, T26N, R10W
14.	DISTANCE IN MILES FROM NEAREST TOWN	12. COUNTY 13. STATE SAN JUAN N.M.
15.	PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	
18. 21.	DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE. CIL CON. OF CONTROL	D ROTALT OR CABLE TOOLS
22	6571' GR	
23.	PROPOSED CASING AND CE	MENTING PROGRAM
24.	AUTHORIZED BY: SEE OPERATIONS PLANTHORIZED BY: SEE OPERATIONS	APPROVED
PERMI	T NO APPROVAL DATE	THE THE THE
APPRO	VED BYTITLE	FORM 3160-3. FORM 3160-3. FARMINGTON RESOURCE AREA

Submit to App District Office Fee Lease - 3 copies

State of New Mexico Energy, Mineraus and Natural Resources Department

PECEIVED

Form C-102 Revised 1-1-29

DISTRICT I P.O. Box 1980, Hobbs, NM \$8240

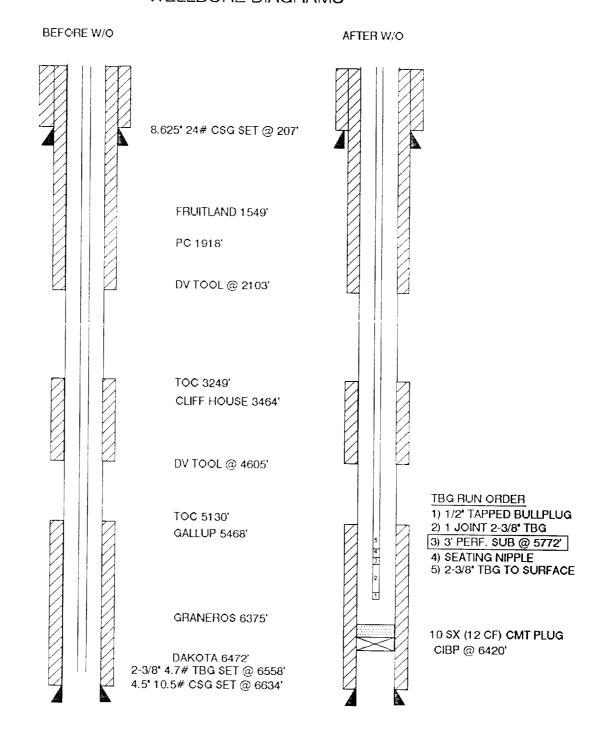
Sama Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION 1 JU 23 AU 10: 03 Am SETON, N.M.

DISTRICT II P.O. Drawer DD, Arlena, NM 88210

Merid	ian Oil :		Labor			Well No.
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HUERFANO UNIT #219 WELLBORE DIAGRAMS



RECOMPLETION PROCEDURE HUERFANO UNIT #219

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

- 1. Prepare location for workover. Set tanks and fill with water.
- MOL and RU. NU BOP with flow tee and stripping head, and test. NU blowlines. Load hole with 2% KCl water.
- 3. TOOH with tubing. TIH with 4-1/2" casing scraper to 6420'. TOOH. TIH with CIBP and set at 6420'. TIH with 4-1/2" packer on 2 joints of tubing. Pressure test CIBP to 3800 psi. TOOH with packer.

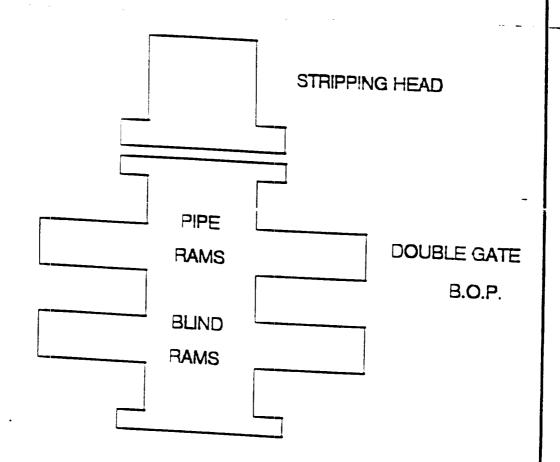
STAGE ONE

- 4. Perforate first stage. Shoot 2 SPF for a total of 72 holes over the following intervals: 5652-55′, 5663-67′, 5671-75′, 5680-82′, 5715-19′, 5725-27, 5730-33′, 5739-43′, 5757-67′
- 5. Wash perforations with HCl acid. TIH with 4-1/2" fullbore packer on 2 joints of 2-7/8" tubing.
- 6. RU for fracture treatment. Hold safety meeting with all personnel. Pressure test surface lines to 4000 psi. Fracture treat first stage with nitrogen, sand, and water.

STAGE TWO

- 7. TOOH with packer. TIH with gauge ring. TOOH. TIH with top drillable bridge plug. Set at 5635'. TIH with 4-1/2" fullbore packer on 2 joints of 2-7/8" tubing.
- 8. Pressure test bridge plug to 3800 psi. Release pressure. TOOH with packer.
- 9. Perforate second stage. Shoot 2 SPF for a total of 78 holes over the following intervals: 5470-72', 5476-80', 5484-86', 5493-01', 5510-14', 5590-98', 5609-11', 5614-16'
- 10. Wash perforations with HCl acid. TIH with 4-1/2" fullbore packer on 2 joints of 2-7/8" tubing.
- 11. RU for fracture treatment. Hold safety meeting with all personnel. Pressure test surface lines to 4000 psi. Fracture treat second stage with nitrogen, sand, and water.
- 12. Clean out upper zone until sand flow stops. Drill out top drillable bridge plug. Clean out lower zone until sand flow stops.
- 13. TIH with 1/2" tapped 2-3/8" bullplug, 1 full joint 2-3/8" tubing, 3' perforated sub, seating nipple, and 2-3/8" tubing to surface.
- 14. Test well for production capacity. After production capacity has been determined, design pump assembly.

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