# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



	APPLICATION FOR PERMIT TO I	DRILL, DEEPEN, OR PLING BACK
1b	PLUG BACK TYPE OF WELL GAS	5. LEASE NUMBER  NM-02890 N.M.  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 NP 9. WELL NO. 216
4.	LOCATION OF WELL 800' FNL, 800' FWL	10. FIELD, POOL, OR WILDCAT  ANGEL PEAK GALLUP Codleger Cooling  11. SEC. T. R. M OR BLK.  SECTION 30, T26N, R10W
14.	DISTANCE IN MILES FROM NEAREST TOWN	12. COUNTY 13. STATE SAN JUAN N.M.
15.	DISTANCE FROM 16. ACRES IN PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	
18.	DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	DEPTH 20. ROTARY OR CABLE TOOLS
21.	ELEVATIONS (DF, FT, GR, ETC.) CON. (6455' GR DIST. 3	22. APPROX. DATE WORK WILL START
23.	PROPOSED CASING AND	CEMENTING PROGRAM
24.	AUTHORIZED BY: SEE OPERATIONS REGULATORY AFFAIRS	
PERMI	T NO APPROVAL DATE	
	VED BY TITLE	DATE APPROVED
NOTE:		IM FORM 3160-3.  IRED)  JUL 1 5 1991
	NMOCD NMOCD	FARRICIA DA RESOURCE AREA

District Office State Lease - 4 comes

### State of New Mexico Energy, Minerais and Natural Resources Department

BLM BLM Revised 1-1-39

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

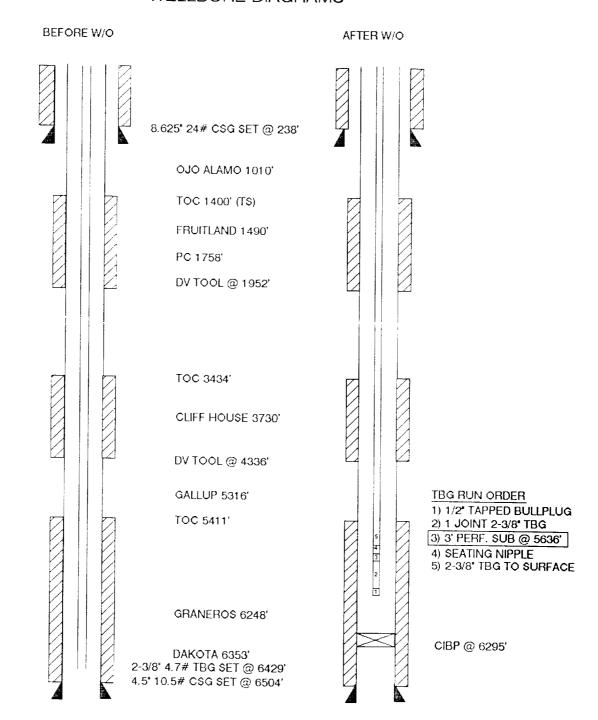
OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe. New Mexico 87504-2088

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DISTRICT II
P.O. Drawer DD, Arisma, NM \$8210

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## HUERFANO UNIT NP #216 WELLBORE DIAGRAMS



## RECOMPLETION PROCEDURE HUERFANO UNIT NP #216

\*\*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.
- 2. 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 6295'. TOOH. TIH with CIBP and set at 6295'. TIH with 4-1/2" packer on 2 joints of tubing. Pressure test CIBP to 3800 psi. TOOH with packer.

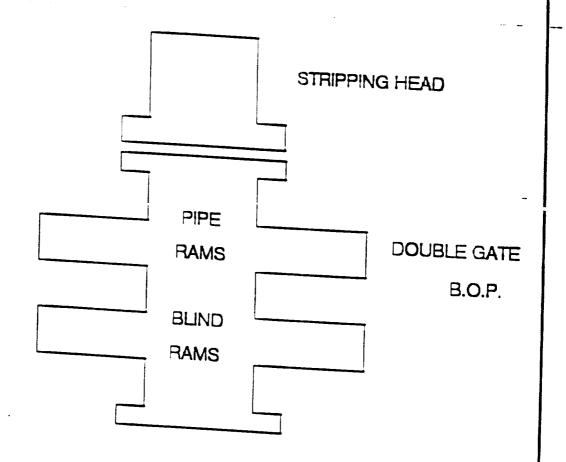
#### \*\*\*STAGE ONE\*\*\*

- 4. Perforate first stage. Shoot 2 shots per zone for a total of 24 holes over the following intervals: 5500', 5511', 5520', 5531', 5565', 5576', 5586', 5590', 5597', 5603', 5614', 5630'
- 5. Wash perforations with HCl acid.
- 6. TIH with 4-1/2" fullbore packer on 2 joints of 2-7/8" tubing.
- 7. RU for fracture treatment. Hold safety meeting with all personnel. Pressure test surface lines to 4800 psi. Fracture treat first stage with sand and slickwater.

### \*\*\*STAGE TWO\*\*\*

- 8. TOOH with packer. TIH with gauge ring. TOOH. TIH with top drillable bridge plug. Set at 5483'. TIH with 4-1/2" fullbore packer on 2 joints of 2-7/8" tubing.
- 9. Pressure test bridge plug to 3800 psi. Release pressure. TOOH with packer.
- 10. Perforate second stage. Shoot 2 shots per zone for a total of 8 holes over the following intervals: 5443', 5447', 5460', 5464'
- 11. Wash perforations with HCl acid.
- 12. TIH with 4-1/2" fullbore packer on 2 joints of 2-7/8" tubing.
- 13. RU for fracture treatment. Hold safety meeting with all personnel. Pressure test surface lines to 4800 psi. Fracture treat second stage with sand and slickwater.
- 14. Clean out upper zone until sand flow stops. Drill out top drillable bridge plug. Clean out lower zone until sand flow stops.
- 15. 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.
- 16. 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