

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

copies: 4 OCD, Aztec
1 Well File
1 Accounting

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

DISTRICT III
1000 Rio Urazon Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator MERRION OIL & GAS CORPORATION		Well API No.
Address P. O. Box 840, Farmington, New Mexico 87499		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
If change of operator give name and address of previous operator Texaco, Inc., P. O. Box 46555, Denver, CO 80201-6555		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Frew Federal	Well No. 16	Pool Name, including Formation WAW Pictured Cliffs Fruitland	Kind of Lease State, Federal or Fee	Lease No. NM 0560223
Location				
Unit Letter K	1490'	Feet From The South Line and 1800'	Feet From The West Line	
Section 19	Township 26N	Range 12W	, NMJM, San Juan County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
El Paso Natural Gas Company	P. O. Box 4990, Farmington, NM 87499	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	Twp.	Rge.
	Is gas actually connected? yes When?	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.D.T.D.			
Elevations (DP, RKB, RF, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)


Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

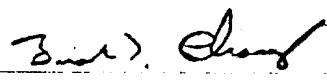
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (piston, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature 
Printed Name **Steven S. Dunn** Operations Manager
Title
Date **August 27, 1990** Telephone No. **(505) 327-9801**

OIL CONSERVATION DIVISION

Date Approved **AUG 28 1990**
By 
Title **SUPERVISOR DISTRICT #3**

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 0560223
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Merrion Oil & Gas Corporation			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 840, Farmington, NM 87499			8. FARM OR LEASE NAME Frew Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1490' FSL & 1800' FWL At proposed prod. zone			9. WELL NO. 16
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 19, T26N, R12W
16. NO. OF ACRES IN LEASE 320			12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 320			13. STATE NM
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6116' GL			22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Attached for your approval is a procedure to recompleate the well into the Fruitland Coal Formation.

RECEIVED
SEP 04 1990
OIL CON. DIV.
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED George F. Sharpe TITLE Engineer DATE 8-10-90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

HOLD 2-104 FOR POOL CHARGE OF THE #8

APPROVED
AUG 24 1990
Ker Townsend
AREA MANAGER

*See Instructions On Reverse Side

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Merrion Oil & Gas Corporation			Lease Frew Federal		Well No. 16
Unit Letter K	Section 19	Township 26N	Range 12W	County San Juan	
Actual Footage Location of Well: 1490' feet from the South line and 1800' feet from the West line					
Ground level Elev. 6116'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature *George F. Sharpe*
Printed Name **George F. Sharpe**
Position **Reservoir Engineer**
Company **Merrion Oil & Gas Corp.**
Date **August 10, 1990**

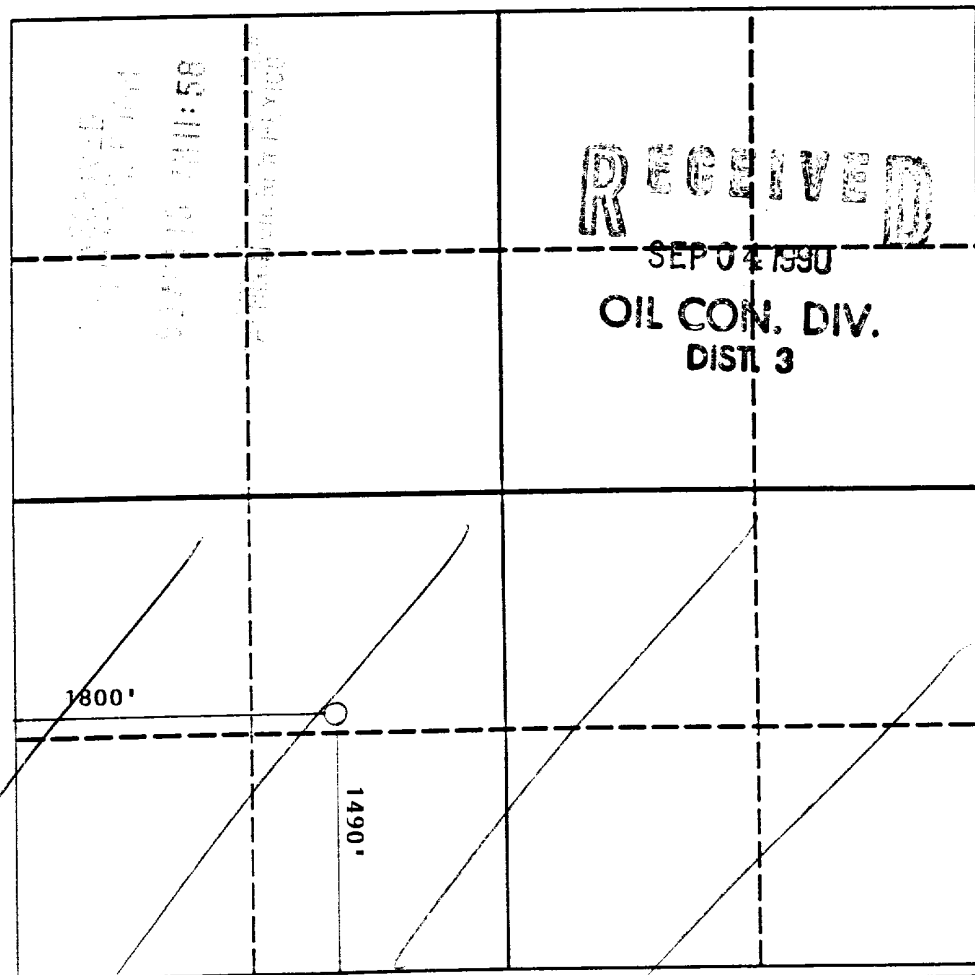
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.



MERRION OIL & GAS CORPORATION

FREW FEDERAL NO. 16

FRUITLAND COAL RECOMPLETION PROCEDURE

LOCATION: 1490' FSL & 1800' FWL ELEVATION: 6116' GL
Section 19, T26N, R12W
San Juan County, New Mexico

PREPARED BY: George F. Sharpe DATE: August 3, 1990

- 1) MIRU Wireline. Perf Fruitland Coal 1160'-78' and 1187'-90' with 2 SPF at 180° (6-29-79 Neutron-Density Log).
- 2) RU Pump Company. Breakdown perfs with 500 gal 7-1/2% HCl with 5 gal/1000 iron sequestering agent, 1/2 gal/1000 clay stablizer, and 50 RCN balls. Surge off balls. Frac main coal with procedure supplied at later date. Flow test well.
- 3) MIRU Wireline. Tag fill. Dump enough frac sand in well to fill to 1152'. Perforate Upper Fruitland Coal 966', 1012'-16', 1048'-54', 1082'-84', 1142'-46' with 2 SPF at 180°.
- 4) Repeat step 2 for upper coals.
- 5) MIRU Workover Rig. ND WH. NU BOPs. RIH with 1-1/2" IJ tubing. Circ out balls and sand to CIBP at 1195' with nitrogen. Land tubing. ND BOPs. NU WH. RDMOL. (If necessary, run 1-1/4" tubing pump and 5/8" rods with slim hole couplings. Pump unit to be specified at later date.)

GFS/eg

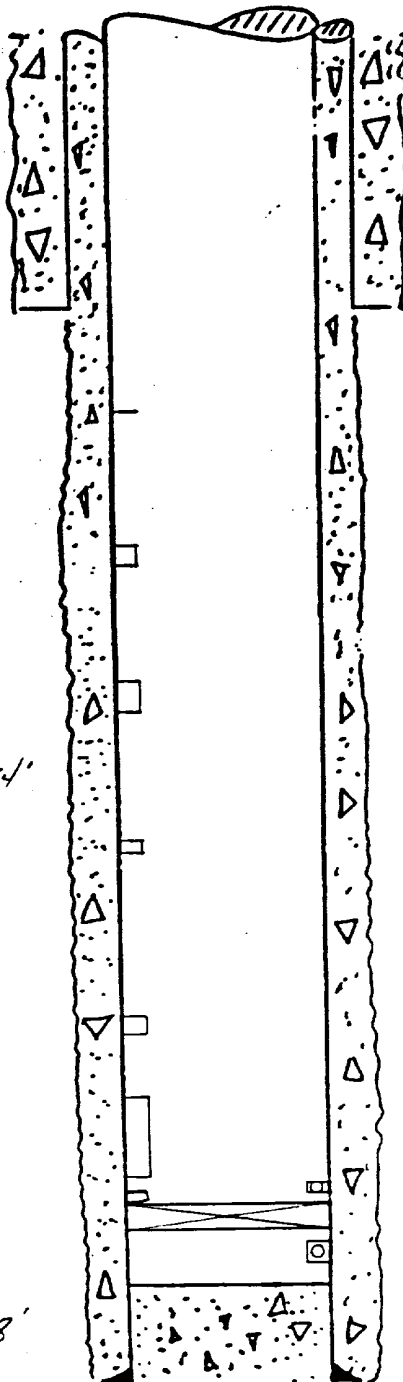
APPROVED: _____

DATE: AUG. 3, 1990

FREW FEDERAL # 16
WELL BORE SCHEMATIC

LOCATION: 1490' FSL 1800' FWL
SEC. 19 T26N R12W

ELEVATION: 6116' CL



8 3/4" HOLE
7" 20# K-55 STEEL CSG @ 42' G.
CMT W/ 35 SY 8" W/ 2% C. CL.

PERF FRUITLAND
966'; 1012'-16'; 1048'-54'
1082'-84'; 1142'-46';
1160'-78' (MAN COAL)
1187'-90'

PERF PICTURED CLIFFS
1180'-83'; 1200'-1206'

TOPS:
FARMINGTON - 470'
FRUITLAND - 680'
PIC. CLIFFS - 1180'/1200'

PBTD: 1288'

TO: 1326'

CIBP @ 1195'

5" HOLE
2 7/8" 6.5# J-55 EUE CSG @ 1316' G.
CMT W/ 100 SY 65/35 PGMIX W/ 6% BFL &
1/4" FLOSMAL/SK. FOLLOWED W/ 50 SY 8" W/ 1
2% C. CL. & 1/4" FLOSMAL/SK.

2 7/8" CAPACITY: .00592 BBL/FT
.0332 FT³/FT

