

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078877
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR J. Gregory Merrion & Robert L. Bayless		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, NM 87401		8. FARM OR LEASE NAME Canyon Largo Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980 FSL & 500 FEL		9. WELL NO. 300
At proposed prod. zone same		10. FIELD AND POOL, OR WILDCAT Devils Fork Gallup
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 3.5 miles NE of Lindrith Camp		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T24N, R6W
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'	16. NO. OF ACRES IN LEASE 1920* 2560	12. COUNTY OR PARISH Rio Arriba
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. appx. 1200'	17. NO. OF ACRES ASSIGNED TO THIS WELL E/80	13. STATE N.M.
20. ROTARY OR CABLE TOOLS Rotary	21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6478' GL	22. APPROX. DATE WORK WILL START* As soon as possible

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24 lb.	150 ft. 200	100 sacks
7-7/8"	4-1/2"	10.5 lb.	5675 ft.	500 sacks

Will drill 12-1/4" hole to 150 ft. and set 150 ft. of 8-5/8", 24 lb. casing with 100 sacks cement. Will drill 7-7/8" hole to 5675 ft. and run open hole logs. If appears productive will run 5675 ft. of 4-1/2", 10.5 lb. casing and cement with 500 sacks. Will set stage collar at approximately 4250 ft. and bring cement up across Ojo Alamo formation. Will perforate and stimulate as required. Minimum specifications for pressure control equipment which is to be used: 10", 900 series double ram BOP.

## ESTIMATED TOPS

Formation	Depth	Content
Ojo Alamo	1420'	
Pictured Cliffs	2100'	Gas, Salt Water
Mesa Verde	3565'	Salt Water
Gallup	5325'	Oil, Salt Water

APR 17 1980

U.S. GEOLOGICAL SURVEY  
DUNSMITH, COLO.

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 Steven L. Loh TITLE Engineer DATE April 15, 1980  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

NMOCC

\*See Instructions On Reverse Side

Habit C-104 for NSU

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

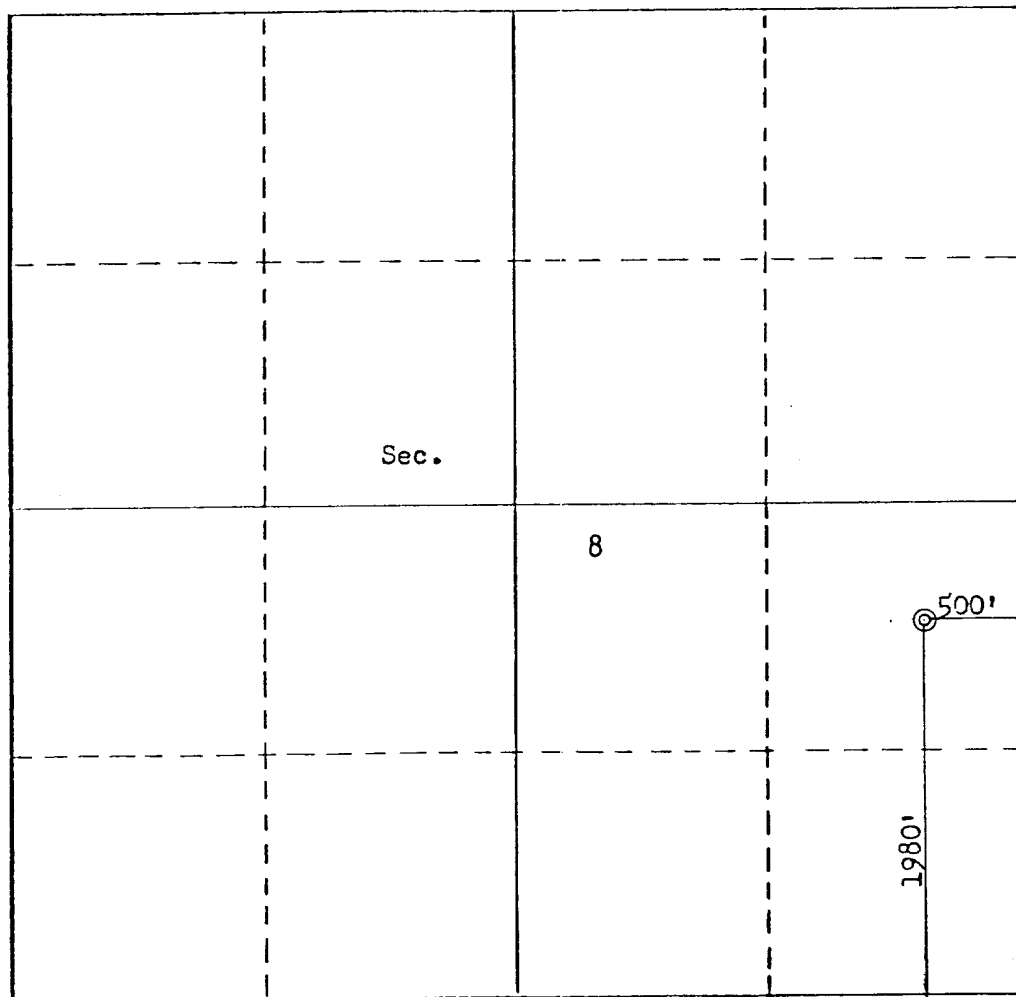
Operator <b>MERRION &amp; BAYLESS</b>			Lease <b>CANYON LARGO UNIT</b>		Well No. <b>300</b>
Unit Letter <b>I</b>	Section <b>8</b>	Township <b>24N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>South</b> line and <b>500</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6478</b>	Producing Formation <b>Gallup</b>		Pool <b>Devils Fork</b>	Dedicated Acreage: <b>80</b> 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 interests 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 interests, has been approved by the Commission.



## CERTIFICATION

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

Name

Steven S. Dunn

Position

Engineer

Company

Merrion &amp; Bayless

Date

April 15, 1980

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

March 12, 1980

Registered Professional Engineer  
and/or Land Surveyor

Fred B. Kern

Certificate No.

3950

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

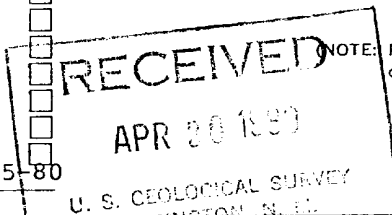
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

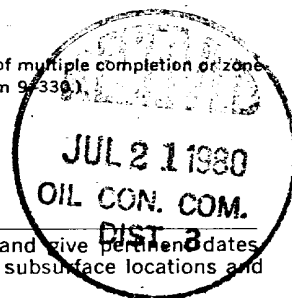
1. oil well ☒ gas well ☐ other ☐  
2. NAME OF OPERATOR  
J. Gregory Merrion & Robert L. Bayless  
3. ADDRESS OF OPERATOR  
P.O. Box 507, Farmington, NM 87401  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980 FSL & 500 FEL  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same  
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  
TEST WATER SHUT-OFF ☐ ☐  
FRACTURE TREAT ☐ ☐  
SHOOT OR ACIDIZE ☐ ☐  
REPAIR WELL ☐ ☐  
PULL OR ALTER CASING ☐ ☐  
MULTIPLE COMPLETE ☐ ☐  
CHANGE ZONES ☐ ☐  
ABANDON\* ☐ ☐  
(other) Amend 9-331 dated 04-15-80



5. LEASE  
SF-078877  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Canyon Largo Unit  
9. WELL NO.  
300  
10. FIELD OR WILDCAT NAME  
Devils Fork Gallup  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 8, T24N, R6W  
12. COUNTY OR PARISH  
Rio Arriba  
13. STATE  
N.M.  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6478' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please amend APD as follows:

- Item #23: Setting depth of 8-5/8", K-55 casing will be 200 ft. w/150 sacks Class "B" cement w/3% CACL<sub>2</sub>. The 4-1/2", K-55 casing will be set w/500 sacks Class "H" cement, 50-50 Pozmix w/2% gel. Circulating medium will be clear water and clay.
- Estimated tops: San Jose -----Surface Cliff House -----3565'  
Ojo Alamo -----1420' Point Lookout ---4265'  
Kirtland -----1715' Gallup-----5325'  
Fruitland -----1850'  
Pic. Cliffs ---2100'

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

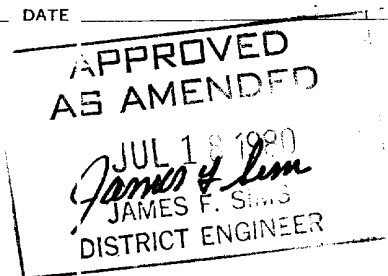
SIGNED James F. Sims TITLE Operator DATE 04-29-80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMOCC



# SURFACE WELL CONTROL EQUIPMENT

MERRION & BAYLESS  
Canyon Largo Unit #300  
SE/Section 8, T24N, R6W  
Rio Arriba County, New Mexico

MERRION~BAYLESS

DRAWN BY

REVISED

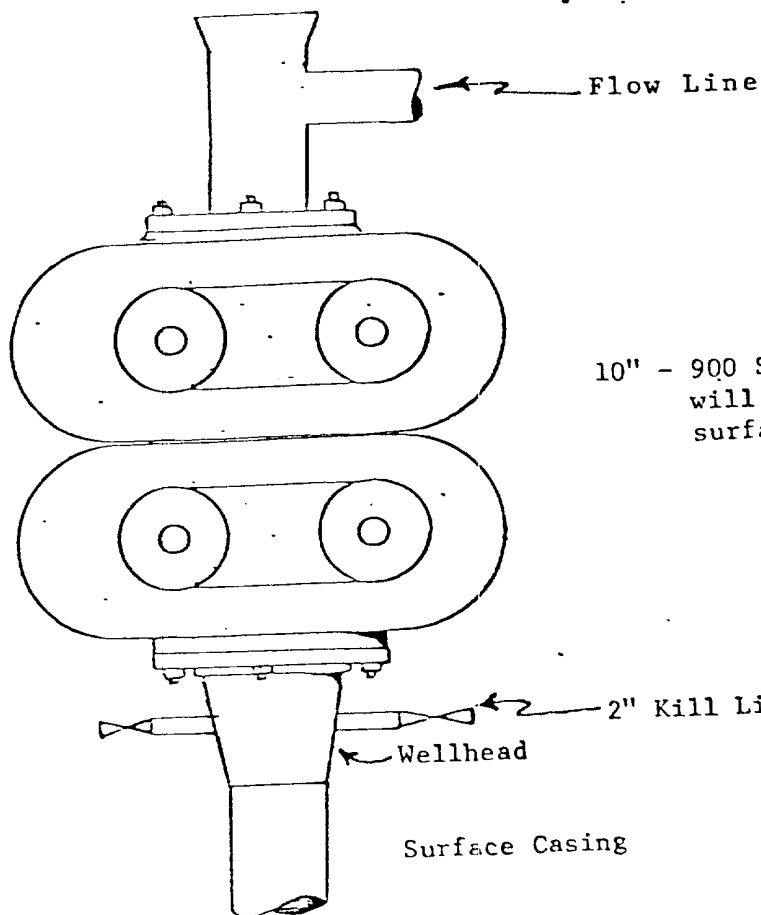
APPROVED BY:

SCALE:

DATE:

SCHEMATIC

DRAWING NUMBER



10" - 900 Series Hydraulic Double Ram BOP which will be tested to 500 PSIG after setting of surface casing

2" Kill Line with 2000 WOG Ball Valve

Wellhead

Surface Casing

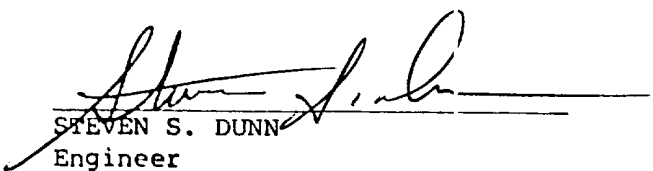
SURFACE USE OPERATIONS PLAN

MERRION & BAYLESS  
Canyon Largo Unit #300  
Section 8, T24N, R6W

- 1 & 2. A topographical map is attached showing location of drillsite and access roads to location; new roads are color coded on the location map. The terrain is relatively flat and no improvements are planned on existing roads. Our planned access road will be twelve feet in width, and will follow the existing terrain. No turnouts, culverts or cuts and fills are anticipated on the proposed access. In addition, natural drainage and surfacing material will be used.
3. Wells within one mile radius are shown on the topographical map.
4. A. Existing facilities owned or controlled by the Operator and shown on the attached map are as follows: wellheads.  
B. No new facilities are contemplated.  
C. Disturbed areas will be reseeded per BLM specifications.
5. Water will be hauled from Largo Canyon water hole.  
Truck will haul water on proposed access route shown.
6. No construction materials will be used.
7. Methods of disposal of waste materials:  
A. Cuttings will be buried in drilling pit.  
B. Drilling fluids will be buried in drilling pit.  
C. No produced fluids are anticipated.  
D. Sewage will be buried.  
E. Garbage and other waste material will be buried.  
F. Operator will clean up, fill, and level pits and reseed location per BLM specifications.
8. Ancillary Facilities: Pumping unit.
9. Wellsite layout attached.
10. Restoration of drillsite -- pits will be filled and leveled and reseeded per BLM specification immediately after completion.
11. Other information: The drillsite is fairly level, grass and brush covered semi-arid land. There is no other surface use or facilities existent. An archeological survey statement will be furnished.
12. Operator representative: Robert L. Bayless (505) 325-5093  
P.O. Box 1541  
Farmington, NM 87401
13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Merrion & Bayless and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4/15/80  
Date

  
STEVEN S. DUNN

Engineer  
Merrion & Bayless

LOCATION AND EQUIPMENT LAY-OUT

MERRION & BAYLESS  
Canyon Largo Unit #300  
SE/Section 8, T24N, R6W  
Rio Arriba County, New Mexico

