

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-095-23760

## 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. NM 12235	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR J. Gregory Merriam & Robert L. Bayless		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, NM 87401		8. FARM OR LEASE NAME Southland	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 790 FSL and 1850 FEL		9. WELL NO. 2-Y	
At proposed prod. zone same		10. FIELD AND POOL, OR WILDCAT WAW Fruitland Pic. Cliff	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17 Miles South of Farmington		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 3, T26N, R13W	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 790'		12. COUNTY OR PARISH San Juan	
16. NO. OF ACRES IN LEASE 1120		13. STATE N.M.	
17. PROPOSED DEPTH 1360'		14. NO. OF ACRES ASSIGNED TO THIS WELL 160	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1250'		15. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6121' GL		22. APPROX. DATE WORK WILL START* Sept. 15, 1979	

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	23 lb.	60 ft.	20 sacks
5"	2-7/8"	6.4 lb.	1360 ft.	175 sacks

Will drill 9" hole to 60 ft. and set 60 ft. of 7", 23 lb. casing with 20 sacks cement. Will drill 5" hole to 1360 ft. and run Induction Electric logs. If appears productive, will run 1360 ft. of 2-7/8", 6.4 lb., J-55 casing and cement with 175 sacks Class "H" and 2% D-79. No abnormal pressures nor temperatures are anticipated. Circulating medium will be clear water, natural mud and water loss control additives. Blowout preventer schematic drawing is attached. The gas from this formation is not dedicated.

## ESTIMATED TOPS

FORMATION	DEPTH	CONTENT
Ojo Alamo	surface	
Kirtland	115'	
Fruitland	890'	
Pictured Cliffs	1250'	Natural Gas

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 Robert L. Bayless TITLE Co-Owner DATE August 30, 1979  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions On Reverse Side

NMOCC

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

Operator <b>MERRION &amp; BAYLESS</b>			Lease <b>SOUTHLAND</b>		Well No. <b>2-Y</b>
Unit Letter <b>0</b>	Section <b>3</b>	Township <b>26N</b>	Range <b>13W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>South</b> line and <b>1850</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6121</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>WAW Fruitland Pic. Cliffs ent</b>	Dedicated Acreage: <b>160</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.

Sec.		3		1850'	
790'					

CERTIFICATION

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

Name Robert L. Bayless

Position  
Co-Owner

Company  
Merrion & Bayless

Date  
August 30, 1979

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  
**August 12, 1979**  
Registered Professional Engineer  
and/or Land Surveyor  
**Fred R. Kerr Jr.**  
Certificate No. **3950**

# SURFACE WELL CONTROL EQUIPMENT

## SCHEMATIC

MERRION & BAYLESS  
Southland #2-Y  
Section 3, T26N, R13W  
San Juan County, New Mexico

MERRION~BAYLESS

DRAWN BY SSD

REVISED

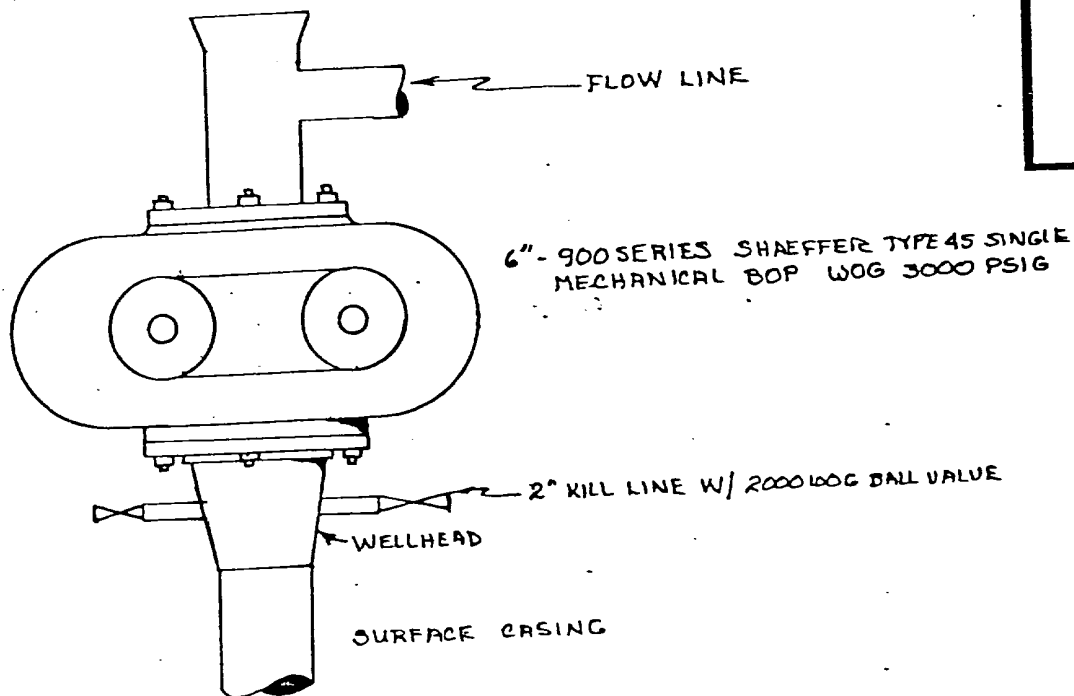
APPROVED BY:

SCALE: NONE

DATE: 8/15/79

SCHEMATIC

DRAWING NUMBER



SURFACE USE AND OPERATIONS PLAN

MERRION & BAYLESS  
Southland #2-Y  
Section 3, T26N, R13W

1 & 2. A topographical map is attached showing location of drillsite and access road to location; new roads are color coded on the location map. The terrain is relatively flat and no improvements are planned on existing roads. A drive in truck mounted drilling rig will be used and will be driven in to the location with our road work. 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. A. Water will be hauled from the San Juan River.

B. 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. No ancillary facilities.

9. Wellsite layout attached.

10. Restoration of drillsite -- pits will be filled and levelled and reseeded per BLM specifications immediately after completion.

11. Other information: The lease is on Navajo Tribal surface land. The drillsite is fairly level, arid land with very little vegetation. 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 sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

08-30-79

DATE

  
ROBERT L. BAYLESS  
Co-Owner  
Merrion & Bayless

LOCATION AND EQUIPMENT LAY-OUT

MERRION & BAYLESS  
 Southland #2-Y  
 790 FSL & 1850 FEL  
 Section 3, T26N, R13W  
 San Juan County, New Mexico

