

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

J. Gregory Merrion &amp; Robert L. Bayless

## 3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, NM 87401

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

790 FNL and 1790 FWL

At proposed prod. zone

same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approx. 15 miles south of Farmington, NM

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

790 ft.

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

0

## 19. PROPOSED DEPTH

1300 ft.

## 16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6178 ft. GL

## 22. APPROX. DATE WORK WILL START\*

## 23.

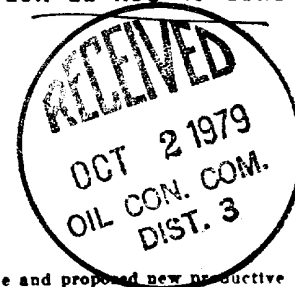
## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	23 lb.	90 ft.	30 sacks
5"	2-7/8"	6.4 lb.	1300 ft.	150 sacks

Will drill 9" hole to 90 ft. and set 90 ft. of 7", 23 lb., J-55 used casing with 30 sacks Class "H" cement. Will drill 5" hole to 1300 ft. and run 1300 ft. of 2-7/8" EUE, C-45 used casing and cement with 150 sacks Class "H" with 2% C-79 cement. No abnormal pressures or temperatures are anticipated. Circulating medium will be clear water, natural mud, and water loss control additives. Will run Induction and Density logs. Blowout preventer schematic attached. The gas from this formation is not dedicated.

## ESTIMATED TOPS

FORMATION	DEPTH	CONTENT
Ojo Alamo	Surface	
Kirtland	75'	
Fruitland	750'	
Pic. Cliffs	1178'	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

TITLE

Co-Owner

DATE

Sept. 21, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

oh 3uh

NMOCC

\*See Instructions On Reverse Side

## 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.

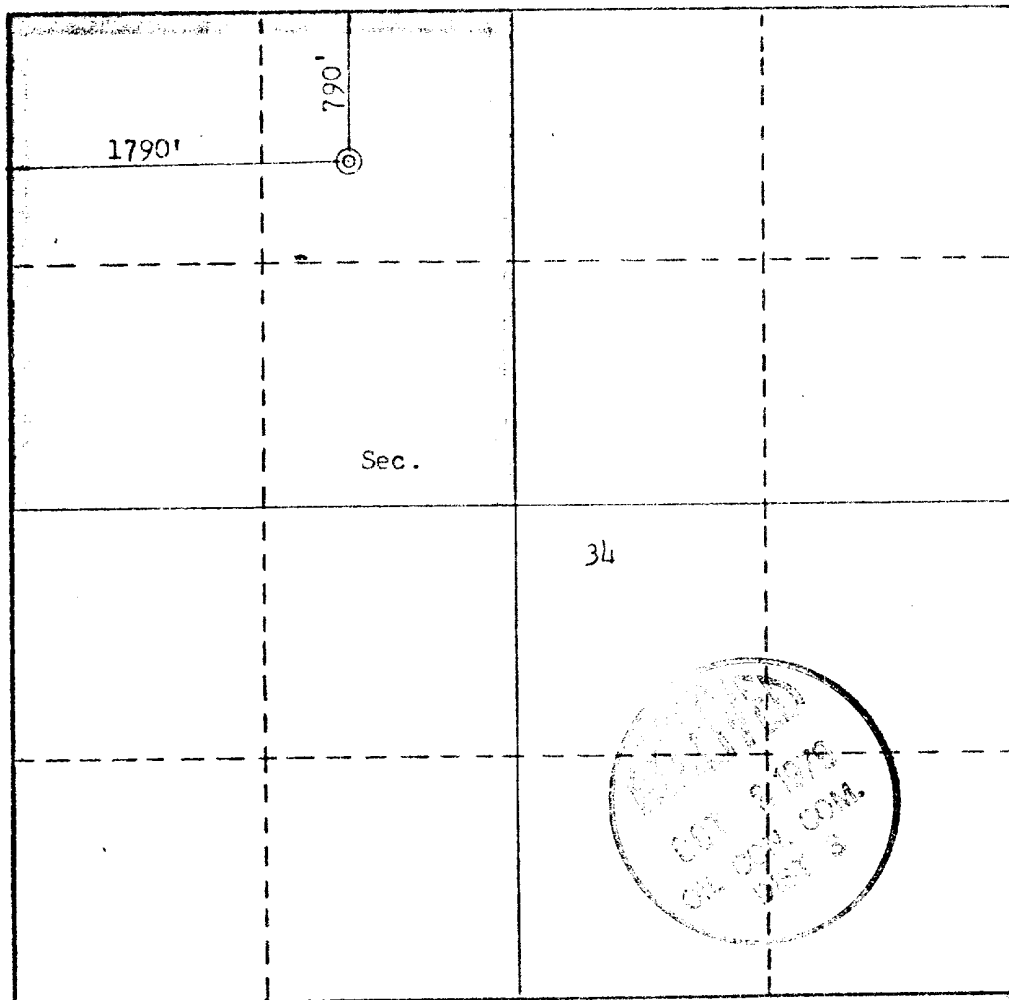
Operator <b>MERRION &amp; BAYLESS</b>			Lease <b>RUBY</b>		Well No. <b>1</b>
Unit Letter <b>C</b>	Section <b>34</b>	Township <b>26N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>North</b> line and <b>1790</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6173</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>RAW Fruitland/Pictured Cliffs</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.



## CERTIFICATION

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

**Original Signed By**  
**ROBERT L. BAYLESS**

Name
Robert L. Bayless
Position
Co-Owner
Company
Merrion & Bayless
Date
September 17, 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
June 5, 1979
Registered Professional Engineer and/or Land Surveyor
<i>E. B. Bayless</i>
Certificate No.
3950

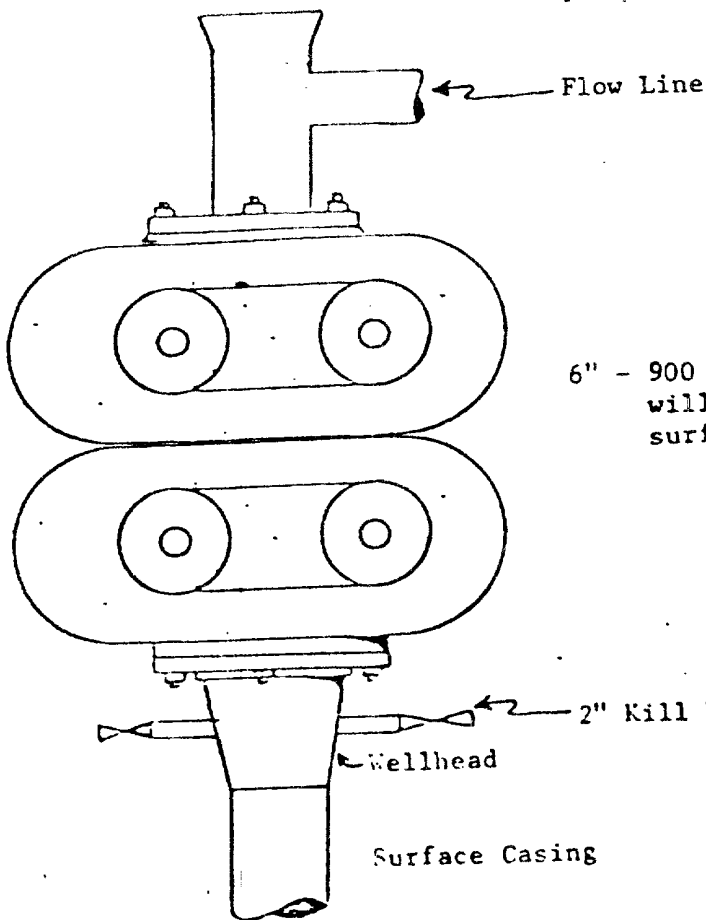
# SURFACE WELL CONTROL EQUIPMENT

MERRION~BAYLESS

APPROVED BY:	DRAWN BY:
SCALE:	REVISED:
DATE:	

SCHEMATIC

DRAWING NUMBER



6" - 900 Series Mechanical Double Ram BOP which will be tested to 500 PSIG after setting of surface casing

2" Kill Line with 2000 WOG Ball Valve

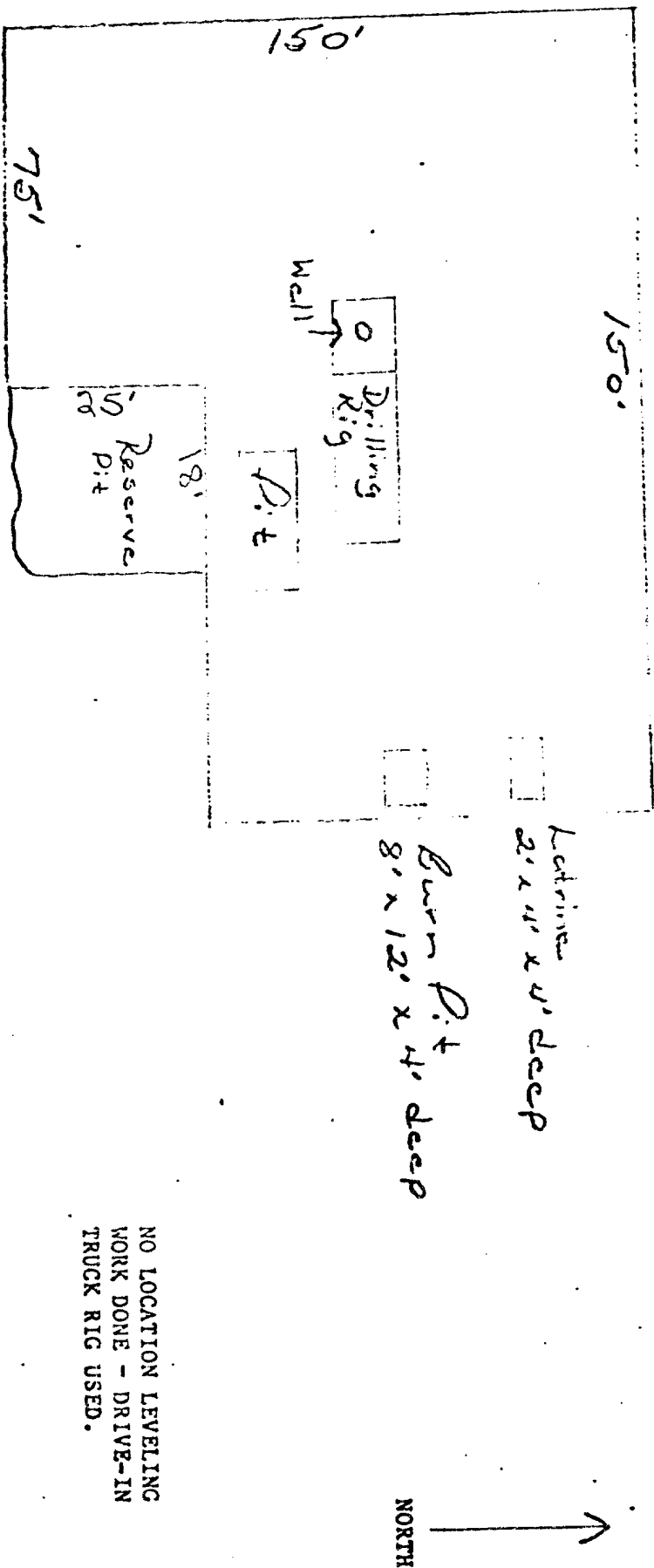
Wellhead

Surface Casing

Flow Line

LOCATION AND SURVEYING LAY-OUT

MERRION & PAYLESS  
Ruby #1  
790 FNL & 1790 FNL  
Section 34, T26N, R12W  
San Juan County, New Mexico



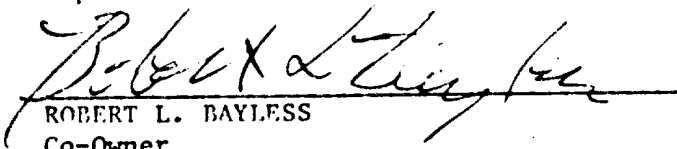
SURFACE USE AND OPERATIONS PLAN

MERRION & BAYLESS  
Ruby #1  
Section 34, T26N, R12W

- 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. 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 material:  
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 leveled and reseeded per BLM specifications immediately after completion.
11. Other information: The lease is no Navajo Irrigation Project surface land. The drillsite is fairly level, arid land and very little vegetation. There is no other surface use or facilities existent. An archeological survey statement is attached.
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 and Bayless and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

9-21-79  
Date:

  
ROBERT L. BAYLESS  
Co-Owner  
Merrion & Bayless

ROBERT L. BAYLESS  
PETROLEUM CLUB PLAZA BUILDING  
P.O. BOX 1541  
FARMINGTON, NEW MEXICO 87401

September 21, 1979

U.S. Department of the Interior  
National Park Service  
P.O. Box 728  
Santa Fe, NM 87501

ATTENTION: Mr. George G. West

Gentlemen:

On June 27, 1979, you issued archeological approval as follows:

Ruby #1 - 790' FNL, 1850' FWL  
Section 34, T26N, R12W

Upon actual inspection of this location it was discovered to be too close  
to an irrigation ditch and has been re-staked as follows:

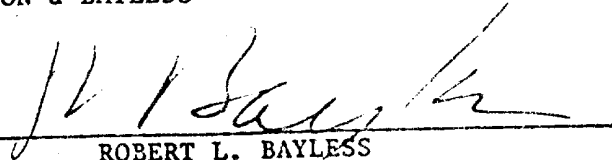
790' FNL, 1790' FWL  
Section 34, T26N, R12W

Please consider this request for archeological clearance of the above  
amended location for the Ruby #1 at your earliest convenience.

Yours truly,

MERRION & BAYLESS

By

  
ROBERT L. BAYLESS

RLB/eh

xc: U.S. Geological Survey  
P.O. Box 959  
Farmington, NM 87401

Bureau of Land Management  
P.O. Box 568  
Farmington, NM 87401



United States Department of the Interior  
NATIONAL PARK SERVICE  
SOUTHWEST REGION  
P.O. Box 728  
Santa Fe, New Mexico 87501

IN REPLY REFER TO:  
H24(SWR)PF

JUN 27 1979

Merrion and Bayless  
P.O. Box 507  
Farmington, New Mexico 87401

RE: Archeological Clearance for Five (5) Proposed Drill Hole Locations  
in San Juan County, New Mexico File 92

Gentlemen:

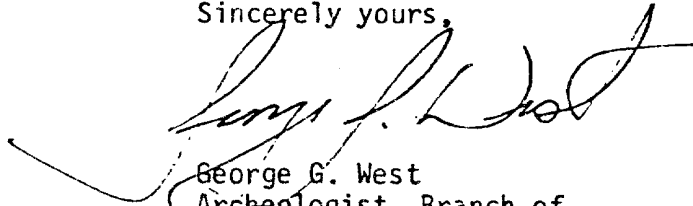
My staff has reviewed the enclosed lease descriptions for five (5) proposed well locations in Block IV of the NIIP. The Block IV project area was surveyed for cultural resources in the spring of 1978 by the Navajo Nation Cultural Resource Management Program. According to the final archeological survey report, there is no surficial evidence of either prehistoric or historic remains within the proposed well locations. Each well will be 100' x 100' in extent; well locations and access rights-of-way are indicated below and in the enclosed correspondence.

<u>Well</u>	<u>Locations</u>	<u>Project Dimensions</u>
Inez #1	790' FNL, 1850' FEL, Sec. 33, T26N, R12W	Well - 100' x 100' Access - 30' x 600'
Ruby #1	790' FNL, 1850' FWL, Sec. 34, T26N, R12W	Well - 100' x 100' Access - 30' x 2500'
Pete #1	790' FSL, 790' FEL, Sec. 35, T27N, R12W	Well - 100' x 100' Access - 30' x 500'
Da On Pah #1	1850' FNL, 790' FEL, Sec. 35, T27N, R12W	Well - 100' x 100' Access - 30' x 800'
Blackrock D - IE	935' FSL, 1830' FWL, Sec. 20, T26N, R11W	Well - 100' x 100' Access - 30' x 2600'

Archeological clearance is granted for the above specified well locations. If, however, any previously unrecorded and/or buried antiquities are encountered during drilling operations, then all earth-modifying activities in the vicinity of the cultural resources must cease. This office should be notified and an on-site inspection will be conducted to determine the significance and disposition of the buried antiquities.

If you have any additional questions concerning this clearance, you may contact Mr. Steve Hallisy, Archeologist with this office at (505) 988-6561.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "George G. West", written over a horizontal line.

George G. West  
Archeologist, Branch of  
Indian Cultural Resources

Enclosures

cc:

Mr. Richard Goddard, NNCRRP,  
Window Rock, AZ  
BIA, Navajo Area Office,  
Window Rock, AZ(2)  
Messrs. Bill Reynolds & Alan Simmons,  
ESCA-Tech, Farmington, NM  
Mr. Bill Smith, BIA, NIIP,  
Farmington, NM  
Mr. Tom Merlan, SHPO,  
Santa Fe, NM



MERRION & RAYLESS  
Proposed Location  
Ruby #1  
1790 FNL & 790 FNL  
Section 34, T26N, R12W  
San Juan County, New Mexico

