

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 507, Farmington, NM 87401

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

At surface

1830' FSL &amp; 1830' FWL

At proposed prod. zone

same

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

2 miles southwest of Farmington

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

## 16. NO. OF ACRES IN LEASE

1780

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

SWD

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

## 19. PROPOSED DEPTH

## 20. ROTARY OR CABLE TOOLS

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

5270 K.B.

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

4-25-81

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF TUBING	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
				APR 30 1981 OIL CON. COM. DIST. 3

Plug Gallup & recompleat as Cliffhouse SWD well as follows: With 2" tbg set in packer @ 4967, squeeze Gallup perms w/ 10 sx. Pull out of packer and spot cement to 4940. Spot 10 sx 4665-4565. Pull tubing. Perforate 3320 w/ 4 holes. Run 2" tbg. w/ model R packer. Set packer at 3100 and squeeze w/ 35 sx class B 2% CACL<sub>2</sub>. Displace cement to 3220 & let cement set. When no backflow pull packer loose and locate hole in casing. Squeeze casing leak as indicated. Perforate 4 holes @ 2570 & 4 holes @ 2420. Set retainer at 2550. Squeeze with 60 sx cement. Pick out cf retainer to 2100' & bradenhead squeeze perf. Drillout top squeeze & pressure test casing to 1500 psi. Perforate 2490-2520. Run plastic coated tubing & model A tension packer & commence injection.

Work is proposed pursuant to New Mexico Oil Conservation Commission order SWD-215 (attached) Double ram 900 series blowout preventers will be in place while working on well. No additional surface disturbance is anticipated.

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

*J. Gregory Merrion*

TITLE

Co-Owner

DATE

4-14-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

APR 28 1981

*James F. Sims*  
JAMES F. SIMS  
DISTRICT OIL & GAS SUPERVISOR

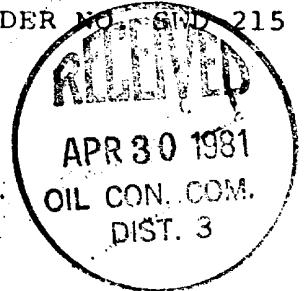
NMOC

SUBJECT: SALT WATER DISPOSAL WELL

ORDER NO. 6ND 215

THE APPLICATION OF MERRION & BAYLESS  
FOR A SALT WATER DISPOSAL WELL

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION



Under the provisions of Rule 701 (C), Merrion & Bayless made application to the New Mexico Oil Conservation Division on October 3, 1979, for permission to complete for salt water disposal its Navajo H-13 located in Unit K of Section 13, Township 29 North, Range 14 West, NMPM, San Juan County, New Mexico.

The Division Director finds:

- (1) That application has been duly filed under the provisions of Rule 701 (C) of the Division Rules and Regulations;
- (2) That satisfactory information has been provided that all offset operators and surface owners have been duly notified; and
- (3) That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 (C) will be met.
- (4) That no objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Merrion & Bayless, is hereby authorized to complete its Navajo H-13 located in Unit K, Section 13, Township 29 North, Range 14 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Cliffhouse Mesaverde formation at approximately 2490 feet to approximately 2520 feet through 2 3/8 inch plastic lined tubing set in a packer located at approximately 2480 feet.

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That injection pressure shall not exceed 500 pounds per square inch as measured at the surface.

That before the Merrion & Mayless Navajo H-13 may be converted to injection the Merrion & Bayless Navajo H-3 in Unit O of Section 13, Township 29 North, Range 14 West, must be adequately cemented across and above the Cliffhouse Mesaverde zone in such a manner to ensure the presence of cement throughout the Cliffhouse Mesaverde formation and a minimum of 500 feet above the top thereof.

That the operator shall notify the supervisor of the Division's District Office before injection is commenced through said well;

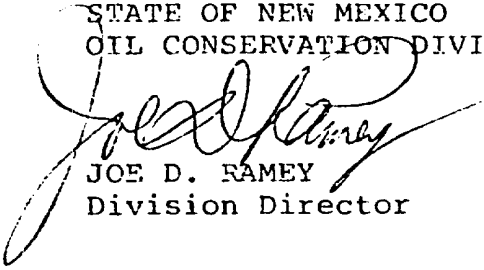
That the operator shall immediately notify the Supervisor

of the Division Aztec District Office of the failure of the tubing, casing, or packer in said well or the leakage of water from or around said well and shall take such steps as may be timely or necessary to correct such failure or leakage.

PROVIDED FURTHER: That jurisdiction of this cause is hereby retained by the Division for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Division may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operations in accordance with Rule 704 and 1120 of the Division Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 29th day of October, 1979.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
JOE D. RAMEY  
Division Director

SEAL

