

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ROW/APD

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work

DRILL ☒DEEPEN ☐

b. Type of Well

Oil Well ☐Gas Well ☒Other ☐Single Well ☒Multiple Zone ☐

2. Name of Operator

Merrion Oil &amp; Gas Corporation

3. Address and Telephone No.

610 Reilly Ave Farmington NM 87401  
ph: (505) 327-9801

4. Location of Well (Footages)

At Surface 1820' fsl &amp; 820' fwl (nw sw)

At proposed prod. zone Same

14. Distance in Miles and Directions from Nearest Town or Post Office

18 miles south of Farmington NM, near Chaco Plant

15. Distance from Proposed Location to Nearest

Property or Lease Line, Ft 820'

16. No. of Acres in Lease

958 acres

17. No. of Acres Assigned to This Well

318.8 320 acres

18. Distance from Proposed Location to Nearest Well Drilling, Completed, or Applied for, on this Lease, FT

-2315'

19. Proposed Depth

-1450'

20. Rotary or Cable Tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc)

6045' GR, 6050' RKB

22. Approximate Date Work will Start

As soon as permitted

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE & GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7" J55	23 ppf	~120' KB	~30 sx (35 cuft)
6-1/4"	4-1/2" J55	10.5 ppf	~1450' KB	~107 sx (182 cuft)

Merrion proposes to drill 8-3/4" hole with native mud to approx 120' and set 7" 23# J55 surface casing, cement to surface with ~30 sx 'B' w/ 2% CaCl<sub>2</sub> (35 cuft). Will drill 6-1/4" hole to TD @ approx 1450' KB with low solids non-dispersed mud system. Run open hole surveys. Will set 4-1/2" 10.5 ppf J55 production casing from TD to surface. Will cement with 64 sx 'B' (131 cuft) lead slurry followed by 43 sx 'B' (51 cuft) cement to fill from total depth to surface. Top of Cement should circulate to surface (will adjust volumes based upon caliper log).

A water spacer will be pumped ahead of the lead slurry to prevent mud contamination of the cement. If cement does not reach surface, a temperature log or cement bond log will be run to determine top of cement.

Will test Fruitland Coal through perforated casing. Will fracture stimulate and put on for production test. Drilling operations below surface casing will be conducted with a Bag type BOP in place, minimum working pressure 1000 psig. Additional drilling technical details attached.

A pipeline route approval is also proposed as part of this APD as per the topo map.

This section is subject to the BLM's standard and procedural review pursuant to 43 CFR 3160.2 and appeal pursuant to 43 CFR 3160.4.

ALL ACTIONS AUTHORIZED ARE  
BASED ON THE INFORMATION WITH ATTACHED  
"TECHNICAL REQUIREMENTS".

IN ABOVE SPACE, DESCRIBE PROPOSED PROGRAM: If proposal to deepen, give present productive zone and proposed new productive zone

COPIES: BLM+4, WELL FILE+1

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

Signed

Steven S. Dunn

Title Drilling &amp; Prod Manager

Date May 17, 2000

(This space for Federal or State office use)

Permit No.

Approval Date

Application approval does not warrant or certify that applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon  
Conditions of approval, if any

APPROVED BY

TITLE

DATE

9/28/00

NMOCD

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-30257		Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 76703	Property Name Hiccup A		Well Number A # 2
OGRID No. 014634	Operator Name MERRION OIL & GAS		Elevation 6045'

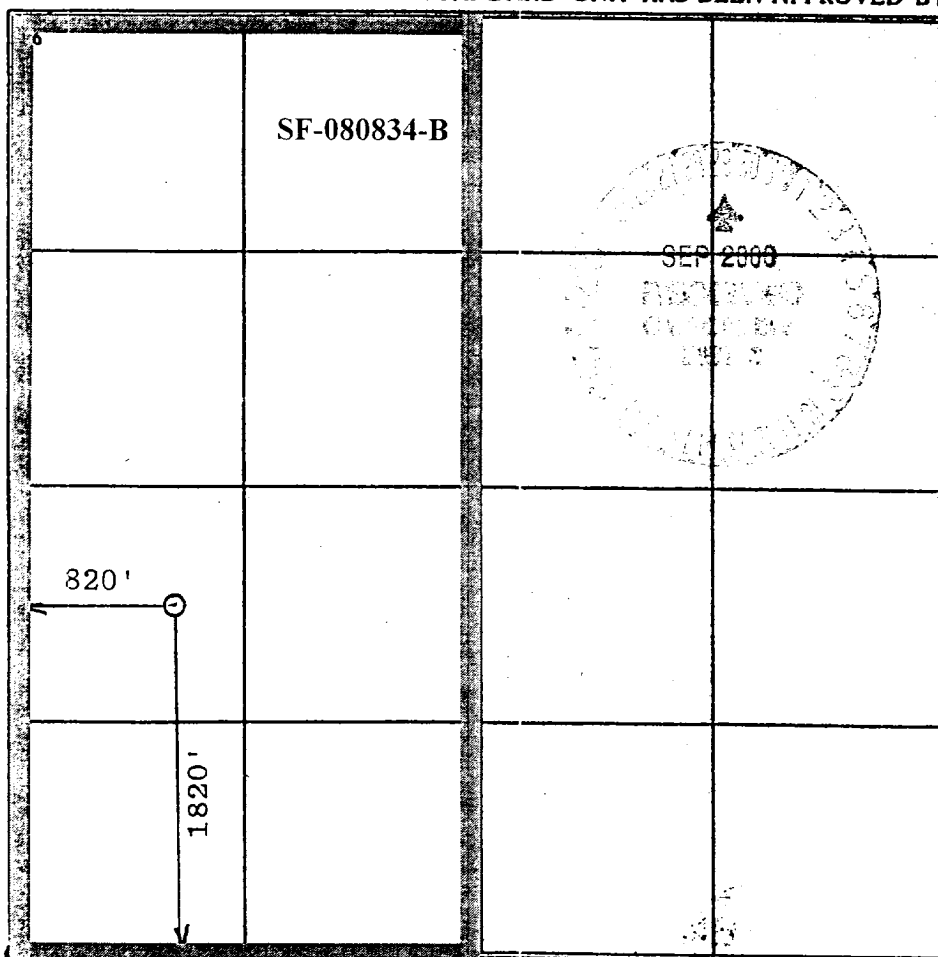
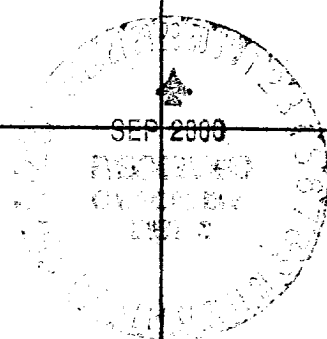

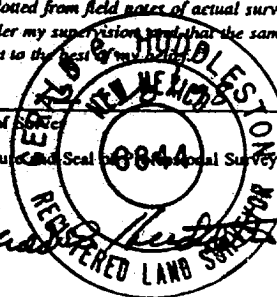

10 Surface Location

UL or lot no. K	Section 3	Township 26 N	Range 12 W	Lot Idn NESW	Feet from the 1820	North/South line South	Feet from the 820	East/West line West	County San Juan
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11 Bottom Hole Location If Different From Surface

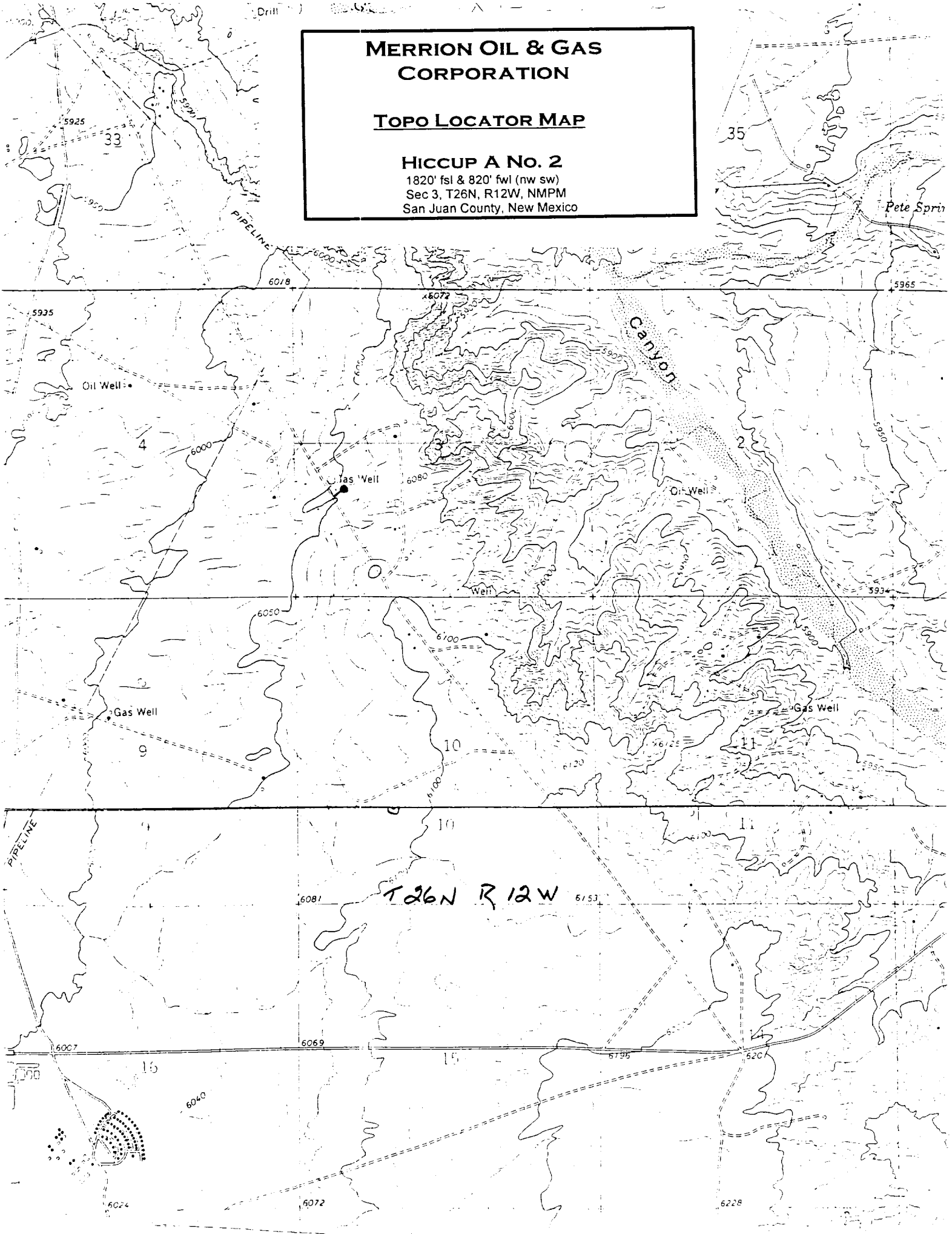
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 3203188		Joint or Infill —		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature:  Printed Name: Connie S. Dinning Title: Engineer Date: May 17, 2000
		<b>18 SURVEYOR CERTIFICATION</b> 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 belief.  Date of Survey:  Signature and Seal of Registered Professional Surveyor:  Certificate Number: _____

1820' fsl & 820' fwl (nw sw)  
Sec 3, T26N, R12W, NMPM  
San Juan County, New Mexico

1820' fsl & 820' fwl (nw sw)  
Sec 3, T26N, R12W, NMPM  
San Juan County, New Mexico



# Merrion Oil & Gas Corporation

## Well Control Equipment Schematic for 1M Service

Attachment to APD Form 3160-3

### Hiccup A No. 2

Location: 1820' fsl & 820' fwl (nw sw)  
Sec 3, T26N, R12W, NMPM  
San Juan County, New Mexico

Date: May 20, 2000  
Drawn By: Connie S. Dinning

