

1 - Well

1 - Acctg & 1 Land

Submit to Appropriate

District Office

State Lease - 6 copies

Fee Lease - 5 copies

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-101

Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

APR 23 1992

API NO. (assigned by OCD on New Wells)

30-045-28660

5. Indicate Type of Lease

STATE ☐FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒RE-ENTER ☐DEEPEN ☐PLUG BACK ☐

b. Type of Well:

OIL WELL ☒GAS WELL ☐OTHER ☐SINGLE ZONE ☐MULTIPLE ZONE ☐

7. Lease Name or Unit Agreement Name

Santa Fe Leggs

2. Name of Operator

Merrion Oil & Gas Corporation

8. Well No.

3 (40)-

3. Address of Operator

P. O. Box 840, Farmington, New Mexico 87499

9. Pool name or Wildcat

Leggs Entrada

4. Well Location

Unit Letter

I

1650

Feet From The

South

Line and

990

Feet From The

East

Line

Section

11

Township

21N

Range

10W

NMPM

San Juan

County

10. Proposed Depth

5700

11. Formation

Entrada

12. Rotary or C.T.

Rotary

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

6415' ✓

14. Kind & Status Plug. Bond

Nationwide

15. Drilling Contractor

Not Chosen

16. Approx. Date Work will start

May 15, 1992

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	32#	240'	150 sx	Surface
8-3/4"	7"	23#	5700'	685 sx (2 stgs)	Surface

We propose to drill 12-1/4" surface hole to 240' KB, and set 240' of 9-5/8", 32# surface casing with 150 sx (177 cu.ft.) Class B, 2% CaCl₂. Wait on cement 10 hrs, pressure test to 600 psi for 30 mins. Drill 8-3/4" hole to 5700'. Will run DST on Entrada and open hole surveys. If well appears productive, will run 5700' of 7", 23# production casing and cement in two stages. First stage with 300 sx (618 cu.ft.) Class B, 2% sodium metasilicate, followed by 75 sx (92 cu.ft.) Class H, 2% gel. Estimated top of cement @ 2400'. DV tool @ 2400'. Second stage with 250 sx (515 cu.ft.) Class B, 2% sodium metasilicate, followed by 60 sx (75 cu.ft.) Class H, 2% gel. Estimated top at surface. Will perforate and stimulate as necessary to test potentially productive intervals. BOPs will be 3000 psi double ram type with choke and kill manifold. Will install prior to drilling out from under surface. Drill mud will be low solids ND gel-water. (Formation tops on back)

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE

Steven S. Dunn

TITLE

Operations Manager

DATE

4/22/92

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY

Eugene Burch

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

APR 23 1992

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 10-23-92
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

FORMATION TOPS:

<u>Formation</u>	<u>Tops</u>
Pictured Cliffs	Surface
Lewis	594'
Cliffhouse	1469'
Menefee	1589'
Point Lookout	2239'
Mancos	2359'
Gallup	3066'
Sanostee	3837'
Greenhorn	4179'
Graneros	4263'
Dakota	4361'
Burro Canyon	4453'
Morrison	4501'
Todilto	5466'
Entrada	5476'
Total Depth	5696'

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District Office
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Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

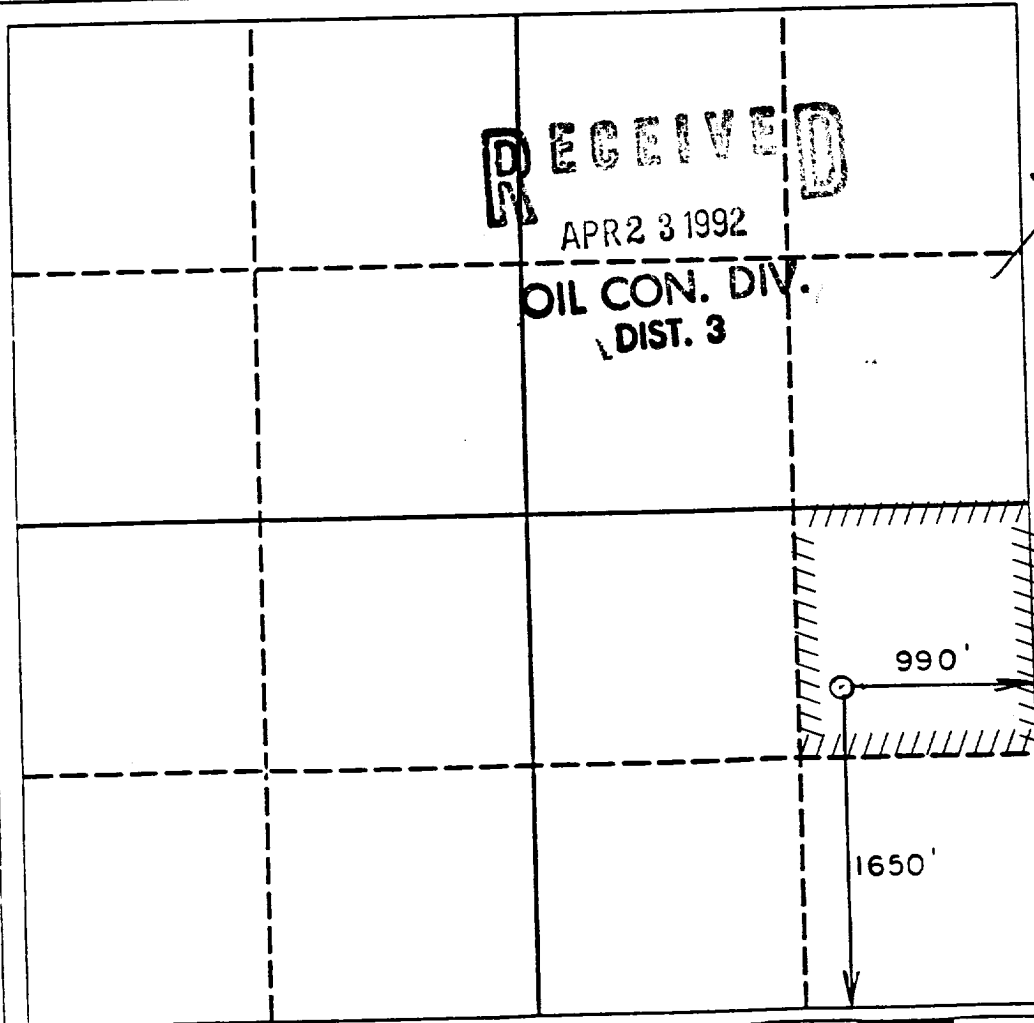
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MERRION O & G			Lease <i>Santa Fe Leggs</i>		Well No. 3
Unit Letter I	Section 11	Township 21 N.	Range 10 W.	County San Juan	
Actual Footage Location of Well: 1650 feet from the South line and 990 feet from the East line					
Ground level Elev. 6415'	Producing Formation Entrada	Pool Leggs		Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

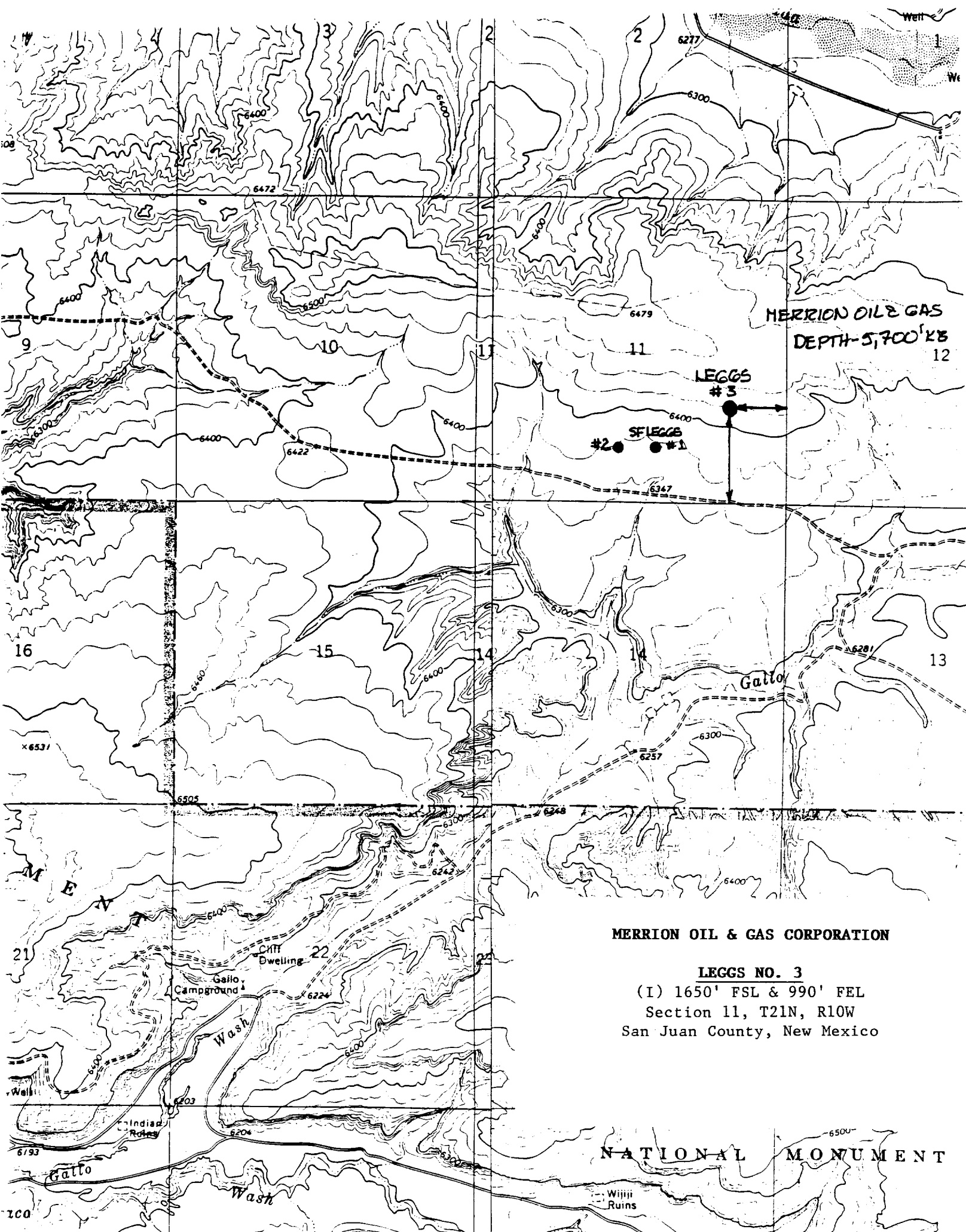
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature *Steven S. Dunn*
Printed Name **Steven S. Dunn**
Position **Operations Manager**
Company **Merrion Oil & Gas Corp.**
Date **4/22/92**

SURVEYOR CERTIFICATION

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 **4/22/92**
Signature *George Huddleston*
Professional Surveyor
Certificate No. **6844**



MERRION OIL & GAS CORPORATION

LEGGS NO. 3

(I) 1650' FSL & 990' FEL

Section 11, T21N, R10W

San Juan County, New Mexico

NATIONAL MONUMENT