

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-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

RECEIVED

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

Operator Name and Address: Merrion Oil & Gas Corp. P. O. Box 840 Farmington, New Mexico 87499		OIL CON. DIV. DIST. 3	OGRID Number 014634 API Number 30-045-25844
Property Code 007754	Property Name Carnahan Com		Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	35	30N	12W		990	South	990	East	San Juan

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

Proposed Pool 1 Basin Fruitland Coal	Proposed Pool 2 Fulcher Kutz Pictured Cliffs
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Work Type Code P	Well Type Code M	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 5910' GL
Multiple Y	Proposed Depth 3725'	Formation Pictured Cliffs	Contractor n/a	Spud Date 6/94

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement

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APR 29 1994
OIL CON. DIV.
DIST. 3

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Attached for your approval is a revised procedure to plugback the Flora Vista Mesaverde and recomplete commingled in the Basin Fruitland Coal and Fulcher Kutz Pictured Cliffs formations.

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MAY 17 1994

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

Signature: *George F. Sharpe*
Printed name: George F. Sharpe
Title: Engineer
Date: 4/28/94
Phone: 505-327-9801

OIL CON. DIV.
OIL CONSERVATION DIVISION
DIST. 3
Approved by: *Eric Busch*
Title:
Approval Date:
Expiration Date:
Conditions of Approval: *after acceptance*
Attached ☐ C-104 FOR COAL NSL

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- | | |
|---|--|
| <p>1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.</p> <p>2 Operator's name and address</p> <p>3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.</p> <p>4 Property code. If this is a new property the OCD will assign the number and fill it in.</p> <p>5 Property name that used to be called 'well name'</p> <p>6 The number of this well on the property.</p> <p>7 The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.</p> <p>8 The proposed bottom hole location of this well at TD</p> <p>9 and 10 The proposed pool(s) to which this well is being drilled.</p> <p>11 Work type code from the following table:
 N New well
 E Re-entry
 D Drill deeper
 P Plugback
 A Add a zone</p> <p>12 Well type code from the following table:
 O Single oil completion
 G Single gas completion
 M Multiple completion
 I Injection well
 S SWD well
 W Water supply well
 C Carbon dioxide well</p> <p>13 Cable or rotary drilling code
 C Propose to cable tool drill
 R Propose to rotary drill</p> <p>14 Lease type code from the following table:
 F Federal
 S State
 P Private
 N Navajo
 J Jicarilla
 U Ute
 I Other Indian tribe</p> <p>15 Ground level elevation above sea level</p> <p>16 Intend to mutiple complete? Yes or No</p> <p>17 Proposed total depth of this well</p> | <p>18 Geologic formation at TD</p> <p>19 Name of the intended drilling company if known.</p> <p>20 Anticipated spud date.</p> <p>21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement</p> <p>22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.</p> <p>23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.</p> |
|---|--|

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-4719
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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 10, 1994
Instructions on back
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State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25844	Pool Code 71629	Pool Name Basin Fruitland
Property Code 007754	Property Name Carnahan Com	Well Number 1
OGRID No. 014634	Operator Name Merrion Oil & Gas Corp	Elevation 5910' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	35	30N	12W		990	South	990	East	San Juan

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedication Acres 320 31923	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

16 RECEIVED MAY 17 1994 OIL CON. DIV. DIST. 3	FEE	SF-068990	1 39.23	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature George F. Sharpe Printed Name Reservoir Engineer Title April 15, 1994 Date
				¹⁸ 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 belief. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number
RECEIVED APR 29 1994 OIL CON. DIV. DIST. 3	FEE	990'	.066	

District I
PO Box 1908, Hobbs, NM 88240-1908
District II
PO Drawer DD, Artesia, NM 88211-8719
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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25844 03746	Post Code	Post Name Fulcher Kutz Pictured Cliffs
Property Code	Property Name Carnahan Com	Well Number 1
OGRID No. 014634	Operator Name Merrion Oil & Gas Corp	Elevation 5910' GL

10 Surface Location

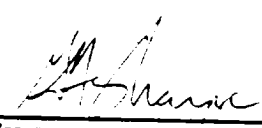
UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
2	35	30N	12W		390	South	990	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County

1 Distance Across	2 Joint or Infill	3 Consolidation Code	4 Order No.
320/60			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
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16 RECEIVED MAY 17 1994 OIL CON. DIV. DIST. 3	FEE 39.23 SF-068990	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature George F. Sharpe Printed Name Reservoir Engineer Title April 15, 1994 Date
		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was located 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 Professional Surveyor Certificate Number

RECEIVED
JAN 10 1964
U. S. AIR FORCE

THE AGO 11
1964

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JAN 10 1964
U. S. AIR FORCE
THE AGO 11
1964

CARNAHAN COM #1
PC/FRUITLAND RECOMPLETION PROCEDURE

Prepared By: George F. Sharpe

Date: 4-25-94

ABANDON MESAVERDE

- 1.) MIRU. POOH w/rods. POOH w/tbg.
- 2.) Pick up additional tbg & RIH to 5730'. ~~* Spot 25 sx plug across Gallup top from 5730' to 5415'. Pull to 3830'.~~ Spot 25 sx plug across MV perfs and top to 3515'. WOC. Tag cmt. Press test csg to 2500 psi.

PICTURED CLIFF COMPLETION

- 3.) Swab Fluid level down to 2100'. Dump 1.6 bbls clean water to fill hole to $\pm$ 2000'. POOH w/tbg.
- 4.) RU Wireline. Run GR-Bond Log. Perforate 2053'-2073' w/2 SPF at 120'. Flow briefly. SI overnight. Record surface pressure and fluid level. If no inflow, RIH w/4 1/2" pkr. Breakdown. Swab back immediately. SI and record surface pressure and fluid level.
- 5.) If not depleted, frac well with $\pm$ 60,000# 20/40 sand and 70 Q X-link foam with procedure supplied at a later date.
- 6.) Flow back and test for 48 hours minimum or until rate stabilized. SI for pressure buildup. Depending on quality of shut-in pressure from step four, consider running pressure bomb and 48 hour buildup.

FRUITLAND COAL COMPLETION

- 7.) POOH w/tbg. Wireline set RBP @ 2045'. Perforate main coal 2012'-2037' w/4 SPF (60 holes total).
- 8.) Frac well with 100,000# sand and 70 Q X-link foam with procedure supplied at a later date.
- 9.) Flow back and test 48 hours minimum or until rate stabilized.

FINAL COMPLETION

- 10.) RIH w/ tbg. Clean out sand with N₂. Pull RBP.
- 11.) RIH w/ mud anchor, perfed sub, and seating nipple on tbg. Land tbg. below PC perfs. RIH w/ rods and pump. NU wellhead. Rig Down.

Approved _____

Date _____

* GALLUP ISOLATED

Previous CASING SQUEEZE CB

MERRION OIL AND GAS CORP.
WELLBORE SCHEMATIC

WELL Carnahan Corn #1

LOCATION 990' FSL 990' FEL
Sec 35, 30N, 12W

ENG: GFS DRFT: M.E.G.
DATE: 12-17-93

ELEVATION

GL: 5910'
KB:

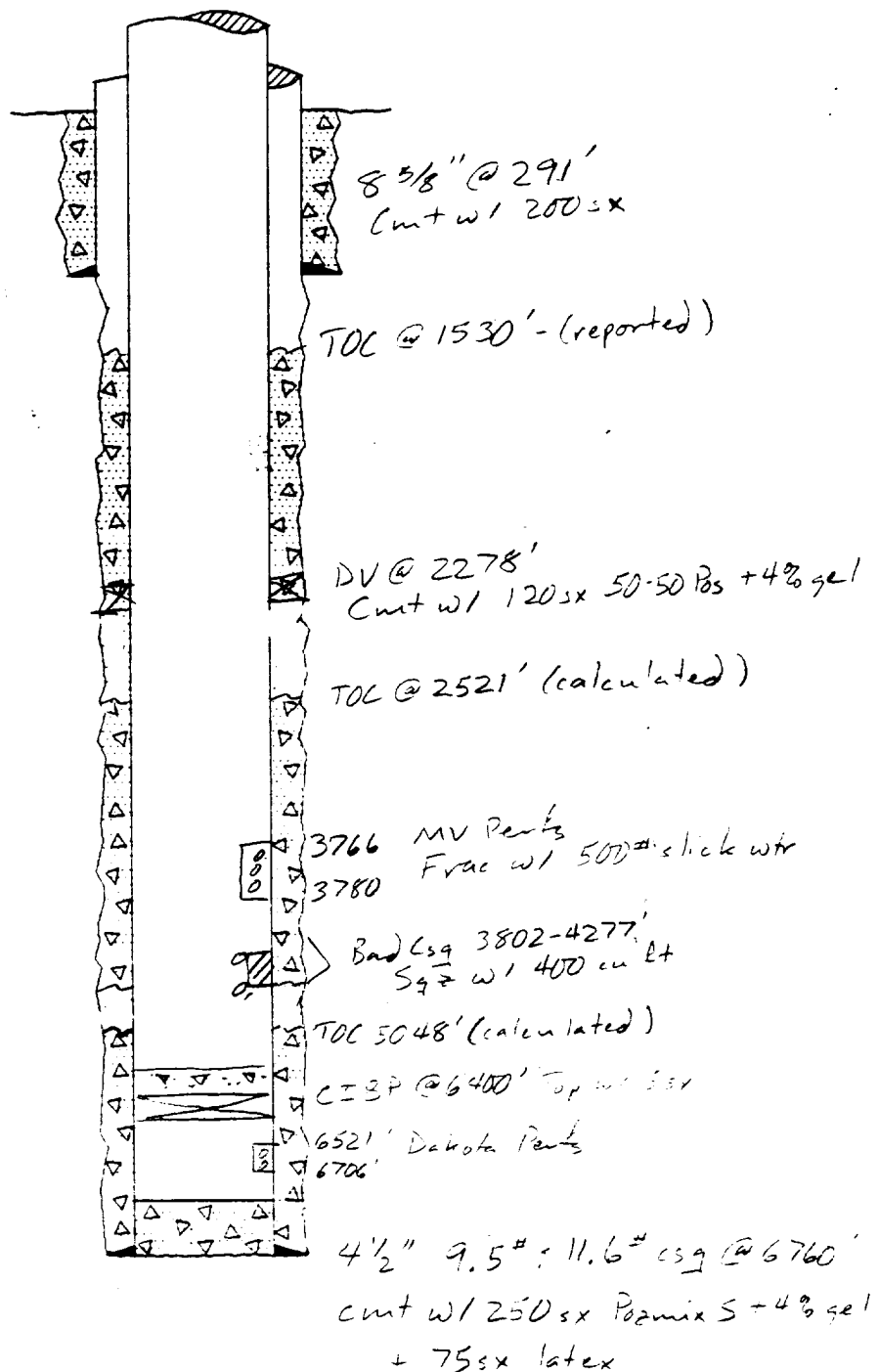
FORMATION TOPS:

Ojo Alamo 400' - 800' (750'
PC 2050'
MV 3663'
Gallup 5680'
Dakota 6519'

CAPACITIES:

4 1/2" - 7 7/8" hole .2278
4 1/2" 9.5" .0912
4 1/2" 11.6" .0872

F731Rt



SP- Induction Log

$$P_g = 4.34 \text{ RB/MCF} @ 580 \text{ psi}$$

$$OGIP = \frac{772 \text{ MMCF}}{160 \text{ ac}}$$

