

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-045-09297
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. NA
7. Lease Name or Unit Agreement Name: Osborn
8. Well No. 1
9. Pool name or Wildcat Pictured Cliffs

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Merrion Oil & Gas	
3. Address of Operator 610 Reilly Ave, Farmington, NM 87401	
4. Well Location Unit Letter <u>M</u> : <u>790</u> feet from the <u>south</u> line and <u>900</u> feet from the <u>west</u> line Section <u>22</u> Township <u>30N</u> Range <u>12W</u> NMPM San Juan County	
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5491' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: Recomplete to Fruitland Coal <input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Merrion Oil & Gas proposes to recomplete the subject wellbore to the Fruitland Coal according to the attached procedure. This sundry replaces the sundry to complete the well to the Pictured Cliffs approved 11/9/01.

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

SIGNATURE [Signature] TITLE Production Engineer DATE 2/26/02

Type or print name Connie S. Dinning Telephone No. 327-9801

(This space for State use)

APPROVED BY [Signature] TITLE [Signature] DATE MAR - 6 2002

Conditions of approval, if any:

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-09297	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 19143	⁵ Property Name OSBORN	⁶ Well Number 001
⁷ OGRID No. 014634	⁸ Operator Name MERRION OIL & GAS CORPORATION	⁹ Elevation 5491' GR

¹⁰ Surface Location

UL or lot no. M	Section 22	Township 30N	Range 12W	Lot Idn SWSW	Feet from the 790	North/South line South	Feet from the 900	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
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¹² Dedicated Acres 320	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

<p>900'</p> <p>790'</p>		¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature George Sharpe Printed Name Engineer Title February 26, 2002 Date
		¹⁸ SURVEYOR CERTIFICATION <i>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.</i>
		Date of Survey Signature and Seal of Professional Surveyor:
		Certificate Number

Merrion Oil & Gas Corporation

Completion Procedure Fruitland Coal Formation

February 26, 2002

Well:	Osborn No. 1	Field:	Fruitland Coal
Location:	790' fsl & 900' fwl (sw sw) Sec 22, T30N, R12W, NMPM San Juan County, New Mexico	Elevation:	5503' RKB 5491' GL
By:	Connie Dinning	Lease:	FEE
		AFE No.:	20144

Procedure: *(Note: This procedure will be adjusted on site based upon actual conditions)*

Pull Tubing & Prepare to Frac

1. Set pumping unit, separator, compressor and noise abatement equipment prior to workover.
2. MIRU workover rig. ND WH, NU BOP's. Tally out of hole w/ 2 3/8" production tubing.
3. RIH w/ bit and casing scraper to $\pm 1700'$ KB.
4. MIRU wireline perforate Fruitland Coal w/ 3 spf (reference Gamma Ray Correlation log dated 2/18/66) per Osborn 1 Induction log dated 1/22/61 as follows:

1614 - 1634 ft 20 ft 60 holes 0.34" diameter

Frac Fruitland Coal

1. Order in frac/test tanks w/ risers, working external gages & two good 4" valves on each. Fill w/ 2% Kcl city water (refer to fracture stimulation design for required useable volume).
2. RIH w/ 7" RBP and set @ $\pm 1700'$ KB.
3. RIH w/ 7" RCP (full bore) on 4 1/2" casing frac string. Set RCP @ $\pm 1600'$ KB. Install frac valve on top of 4 1/2" casing. Pressure test to 3000 psi.
4. RU Frac crew. Spearhead 500 gals. 7.5% HCl acid. Fracture stimulate the Fruitland Coal formation with Halliburton Delta frac fluid and 80,000 lbs of 20/40 mesh Brady sand with Sandwedge (detail design to be provided).
NOTE: Do not pump in and shut down. When pumping begins, stay on it until the job is complete. Do not exceed 3000 psi.
5. Shut well in for gel break time. Open to tank.

Install Production Tubing

1. Rig down frac valve. Unset RCP and POH w/ frac string.
2. RIH w/ 2 3/8" production tubing and tag sand fill. CO to RBP @ 1700' KB.
3. RIH w/ retrieving tool, release RBP and POH.

4. Pick up and tally 15' MA, SN, and 2³/₈" tubing in hole. Land tubing at ± 1650' KB below bottom of Fruitland Coal perforations.
5. Nipple down BOPs, nipple up wellhead. Run rods and pump.

Attachments:

1. Wellbore Schematic after completion.
2. Osborn No. 1 Open hole survey strip from induction log & GR correlation log.
3. Fracture stimulation design.

Merrion Oil & Gas Corporation

Wellbore Schematic

Osborn No. 1

Proposed Wellbore Configuration

Location: 790' fsl & 900'fwl (sw sw)
 Sec 22, T30N, R12W
 San Juan Co, New Mexico
 Date: October 30, 2001

Elevation: 5491' GL
 5503' KB
 By: Connie Dinning

Tertiary

Cretaceous

