

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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

WELL API NO.  
30-045-09297

5. Indicate Type of Lease  
STATE ☐ FEE ☒

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 ☐ Gas Well ☒ Other ☐

2. Name of Operator  
Merrion Oil & Gas

3. Address of Operator  
610 Reilly Ave. Farmington, NM 87401

4. Well Location

Unit Letter M : 790 feet from the south line and 900 feet from the west line

Section 22 Township 30N Range 12W 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 ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: Recomplete to Pictured Cliffs ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

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 Pictured Cliffs according to the attached procedure.

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 11/08/01

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

(This space for State use)

DEPUTY OIL & GAS INSPECTOR, DIST. IV

APPROVED BY Original Signed by STEVEN N. HAYDEN TITLE

NOV - 9 2001

Conditions of approval, if any:

Need Plat for  
Fulcher Kitz PC

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# Merrion Oil & Gas Corporation

## Completion Procedure Pictured Cliffs Formation

October 29, 2001

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

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**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 Pictured Cliffs w/ 2 spf (reference Gamma Ray Correlation log dated 2/18/66) per Osborn 1 Induction log dated 1/22/51 as follows:

1642 - 1646 ft	4 ft	8 holes	0.45" diameter
1650 - 1664 ft	14 ft	28 holes	0.45" diameter

### ***Frac Pictured Cliffs***

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. 10% formic acid. Fracture stimulate the Pictured Cliffs 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 pit.

### ***Install Production Tubing***

1. Rig down frac valve. Nipple up BOPs & 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 2<sup>3</sup>/<sub>8</sub>" tubing in hole. Land tubing at ± 1700' KB below bottom of Pictured Cliffs 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

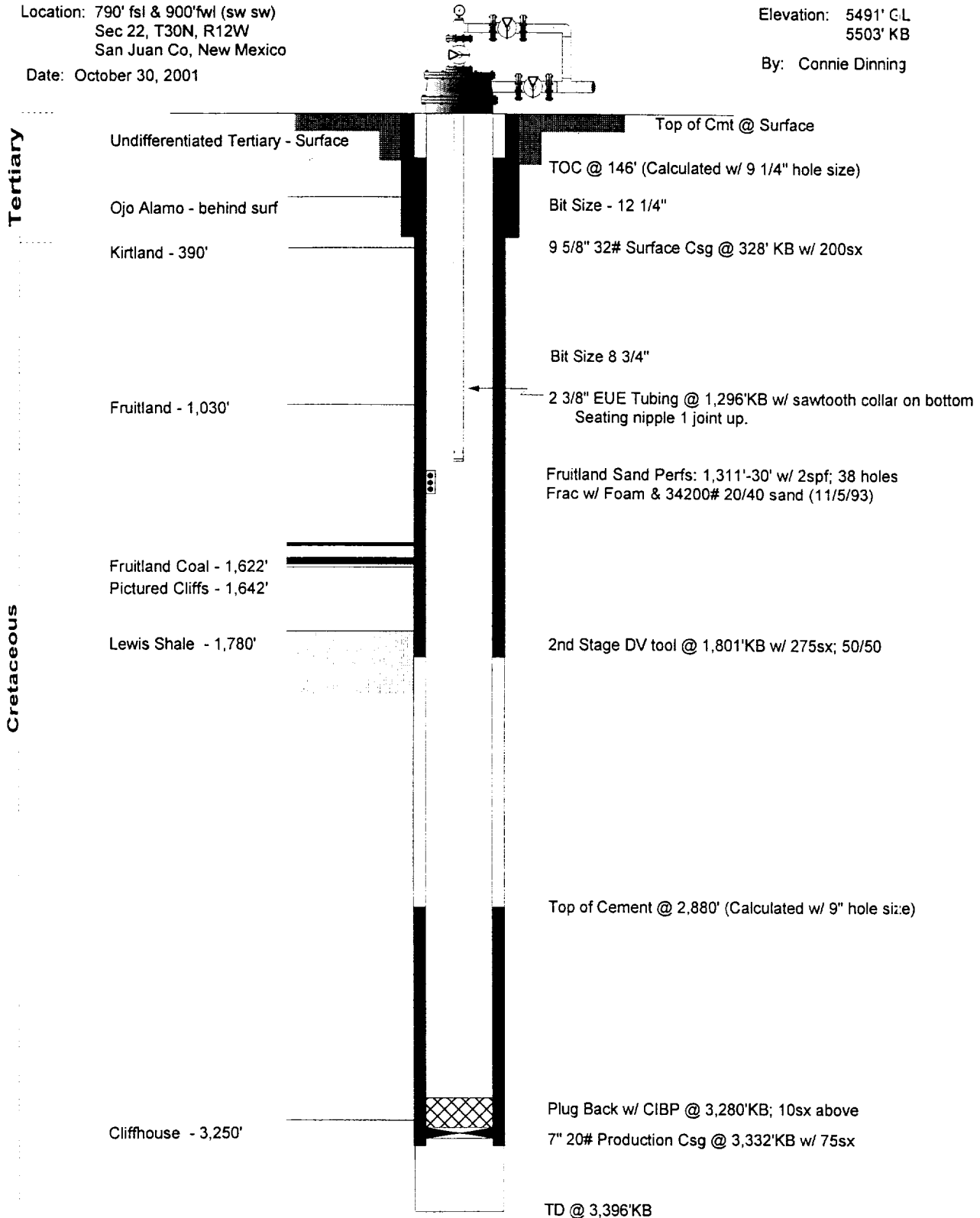
#### Present Wellbore Configuration

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

Date: October 30, 2001

Elevation: 5491' G.L.  
 5503' KB

By: Connie Dinning



# 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

