

MERRION

Oil & Gas

December 4, 1997

Mr. Johnny Robinson
NMOCD
1000 Rio Brazos
Aztec, NM 87410

A-20-21N-08W

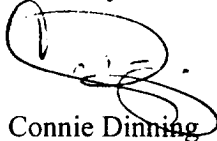
RE: Santa Fe 20 #5, Amended Procedure

30-045-28512

Dear Mr. Robinson

Merrion Oil & Gas requests your approval of the attached amended procedure for the subject well.

Sincerely



Connie Dinning
Contract Engineer

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Merrion Oil & Gas Corporation

Plug Back to Fruitland Coal Procedure (Amended to Include P&A)

December 1, 1997

Well: Santa Fe 20 #5
Location: 1150' fnl & 720' fel (ne ne)
Sec. 20, T21N, R8W
San Juan County, New Mexico

Field: Fruitland Coal
Elevation: 6,576' GL
6,589' RKB
By: Connie Dinning

Procedure:

Prior to Move In

1. Check to see that wellhead is in place.
2. Open tubing and casing to atmosphere to vent.

Plug Mesaverde Interval & Perforate Coal

1. MIRU Petro wireline. RIH under lubricator and set CIBP @ $\pm 1188'$ KB.
2. Load hole w/ 2% KCL and test CIBP.
3. RIH w/ casing gun and perforate Fruitland Coal through production and surface casing strings 2 jspf at the following intervals: 278' - 286', 264' - 270', 252' - 259', 240' - 246' KB.
4. Pump into formation to break down perms.

Fruitland Coal Test

1. MIRU JC Well Service.
2. ND WH, NU BOPs. RIH w/ 7 jts 2 3/8" EUE tubing w/ SN, set @ $\approx 250'$ KB.
3. Swab well to unload and test gas production, evaluate need for further stimulation.
4. If test is not satisfactory, continue w/ plugging procedure, otherwise put well on to production, RDMOL.

Plug and Abandon

1. **Plug #1 (Mesaverde perforations and top $\pm 1188'$ - $1116'$):** Mix 14 sx (17 cu ft) Class B cement and spot a balanced plug to cover the Mesaverde top. TOH to 316'.
2. **Plug #2 (9 5/8" casing shoe at 258' and PC top @ 266'):** Mix 37 sx (43 cu ft) Class B cement and establish circulation out casing valve. Pump additional cement as needed to seal off Fruitland perms.
3. ND BOPs and cut off casing below surface. Install P&A marker with cement to comply with regulations. RDMOL, cut off anchors and restore location.

Approved: Johnny Robinson

Date: DEC - 5 1997

DEPUTY OIL & GAS INSPECTOR, DIST. #3

NOTIFY AZTEC OGD
IN TIME TO WITNESS ONE

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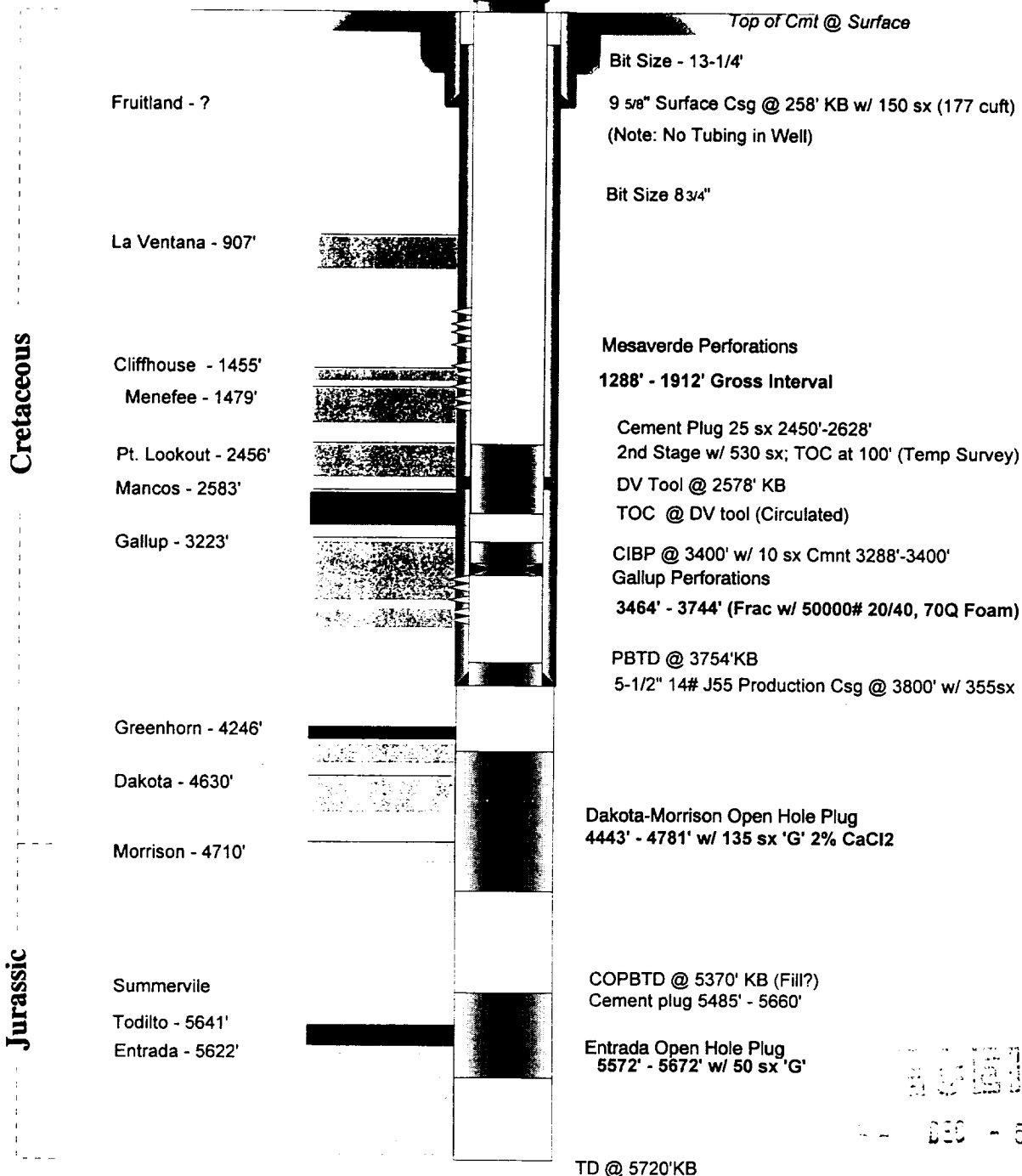
Merrion Oil & Gas Corporation
Wellbore Schematic
Santa Fe 20 No. 5
Current Wellbore Configuration

Location: 1150' fnl & 720' fel (ne ne)
 Sec 20, T21N, R08W
 San Juan Co, New Mexico

Date: July 23, 1997

Elevation: 6576' GL
 6589' RKB

Prepared by: Steven S. Dunn



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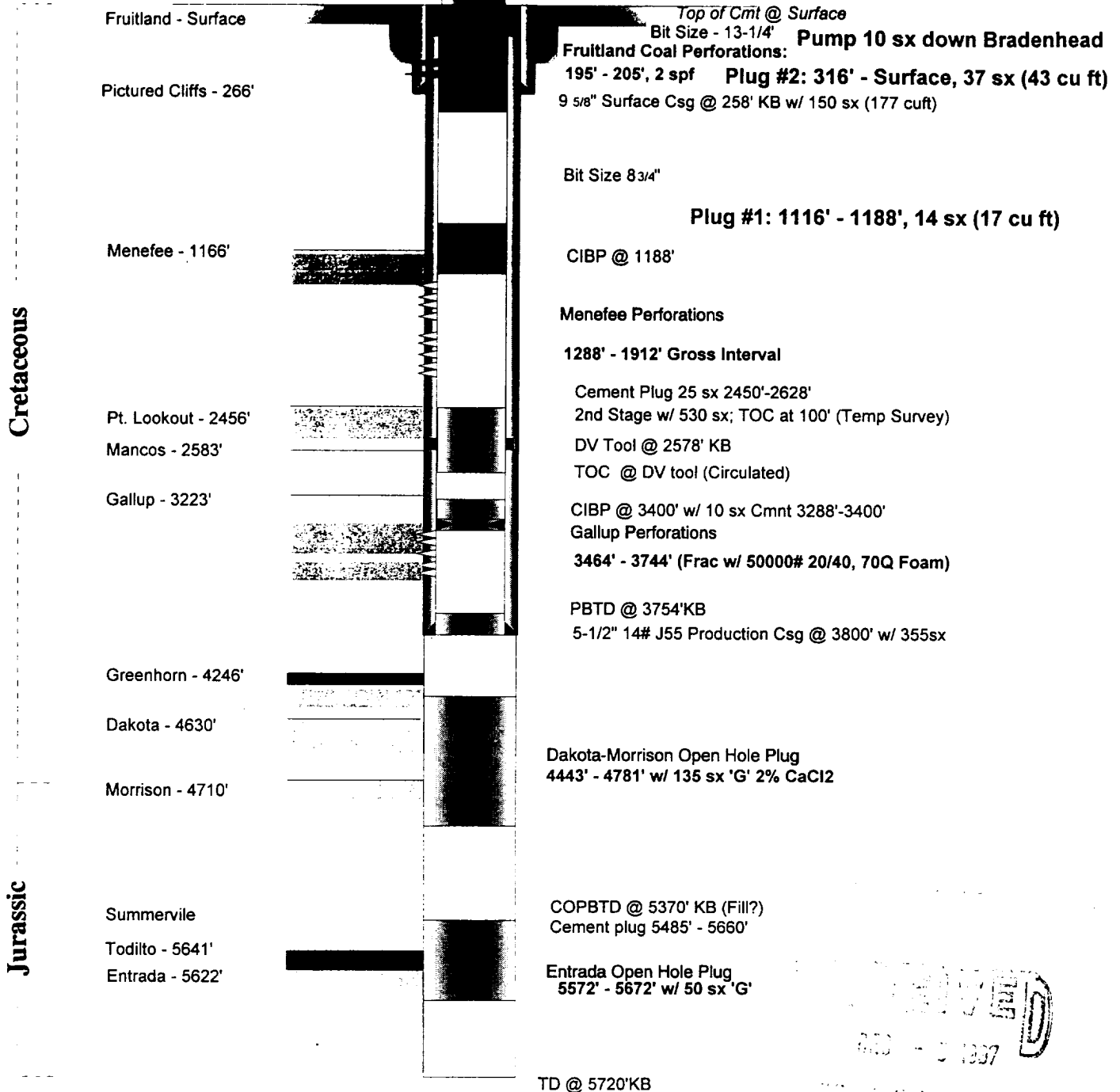
Oil Con. Div.
 DIST. 3

Merrion Oil & Gas Corporation
Wellbore Schematic
Santa Fe 20 No. 5
Proposed Wellbore Configuration

Location: 1150' fnl & 720' fel (ne ne)
 Sec 20, T21N, R08W
 San Juan Co, New Mexico
 Date: Dec 1, 1997

Elevation: 6576' GL
 6589' RKB

Prepared by: Connie S. Dinning



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 S. J. D. INC.