

Submit to Appropriate District Office

Energy, Minerals and Natural Resources Department

Revised 1-1-89

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

OIL CONSERVATION DIVISION

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

RECEIVED  
MAR 19 1996

WELL API NO.

30-045-22568

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Santa Fe 20

8. Well No.

3

9. Pool name or Wildcat

Snake Eyes Dakota

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 Corporation (014634)

3. Address of Operator

610 Reilly Avenue, Farmington, NM 87401-2634

4. Well Location

Unit Letter H : 2220 Feet From The north Line and 990 Feet From The east Line

Section 20 Township 21N Range 08W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

6573' 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 ☐

OTHER: Plug back & Drill horizontal ☒

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.

Merrion requests your approval to plug back the vertical Entrada in this well by setting a cement retainer in the 7" casing at 5150' KB± and squeezing the Entrada perforated interval, 5200'-07', with 50 sx (59 cf) Class B cement.

Will mill up to 80 feet of 7" casing section at a kick-off point in the Morrison formation (depth not yet chosen). Will spot a kick-off cement plug across the milled section, dress off and mobilize directional drilling equipment.

Will run in hole with mud motor and 6-1/8" bit. Will orient and kick off of cement plug in a southerly direction (subject to change during drilling). Will build angle and intersect the Entrada top at or near horizontal. Will continue to build angle to ≈ 90°. Plan to run 4-1/2" liner through build section and cement in place with adequate cement to circulate to liner top inside of 7" casing. Will set liner top minimum of 50 feet into 7" casing. Will drill ahead with 3-7/8" bit. (If liner not used will continue with 6-1/8" bit) Will drill a horizontal lateral up to 1400 feet from surface location in a general southerly direction. Following drilling, no open hole logs are planned. The drilling mud will be displaced with water or other suitable completion fluid and the Entrada formation will be tested for sizing of a submersible pump.

\*\*\*CONTINUED OTHER SIDE \*\*\*

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 3/18/96

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE MAR 19 1996

CONDITIONS OF APPROVAL, IF ANY:

Blow out preventers for 2M service will be used during all phases of work through completion.

The drilling mud will be a low solids non-dispersed mud using polymer, gel and anti corrosion additives.

The reserve pit will be 70'X100'X6' in size.

Mention has applied to the NMOCD for project approval and will not conduct any new drilling pending approval by the OCD. However, we do request that the BLM give contingent approval to conduct the wellbore preparation phase of this project immediately, stipulating that OCD final approval must be received prior to drilling the horizontal well.

# Merrion Oil & Gas Corporation

## Wellbore Schematic

Santa Fe 20 No. 3

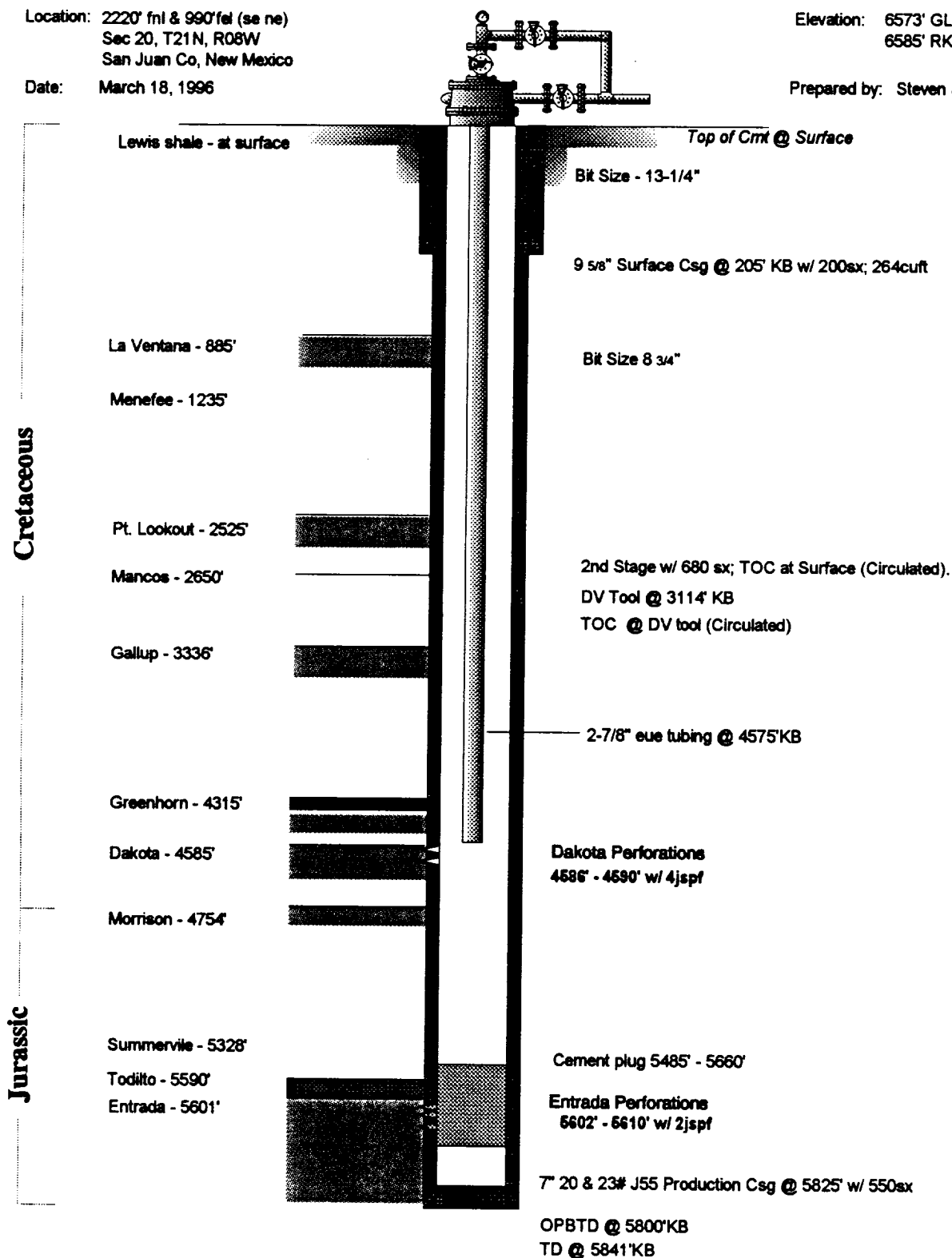
Current Wellbore Configuration

Location: 2220' fml & 990' fml (se ne)  
Sec 20, T21N, R08W  
San Juan Co, New Mexico

Date: March 18, 1996

Elevation: 6573' GL  
6585' RKB

Prepared by: Steven S. Dunn



### WELL DATA:

CUM GAS:  
CUM OIL:  
SPUD: Jun 5, 1977  
COMPLETED: Jun 18, 1977

CAPACITIES:  
7" 23# - 0.0394 bbl/ft  
2 7/8" 8.5# - 0.00498 bbl/ft  
7" X 2 3/8" - 0.0363 bbl/ft

CURRENT SICP:  
CURRENT SITP:  
LINE PRESSURE:  
OIL TRANSPORTER: Giant