

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-101
Revised 1-1-89

API NO. (assigned by OCD on New Wells)					
5. Indicate Type of Lease STATE ☒ FEE ☐					
6. State Oil & Gas Lease No. 30-045-22568					
7. Lease Name or Unit Agreement Name Santa Fe 20-21-8					
8. Well No. 3					
9. Pool name or Wildcat Snake Eyes Dakota "D"					
10. Proposed Depth 4586'					
11. Formation Dakota					
12. Rotary or C.T.					
13. Elevations (Show whether DF, RT, GR, etc.) 6573' GR 6585' KB					
14. Kind & Status Plug. Bond Nationwide					
15. Drilling Contractor Ram					
16. Approx. Date Work will start 12-15-91					
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
8-3/4"	7"	20 & 23	5660'	30	5500'

It is proposed to plug the Entrada and recomplete the well in the Dakota.
Attached is a procedure for your approval.

RECEIVED
NOV 27 1991
OIL CON. DIV.
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE George F. Sharpe TITLE Engineer DATE 11/26/91
TYPE OR PRINT NAME George F. Sharpe TELEPHONE NO. 327-9801

(This space for State Use)

APPROVED BY Linda Buach TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE DEC 03 1991
CONDITIONS OF APPROVAL, IF ANY: change name to Santa Fe 20 # 3 Hold C-104
For NSL

RECEIVED
JAN 19 1964

NO 100-100
JAN 19 1964

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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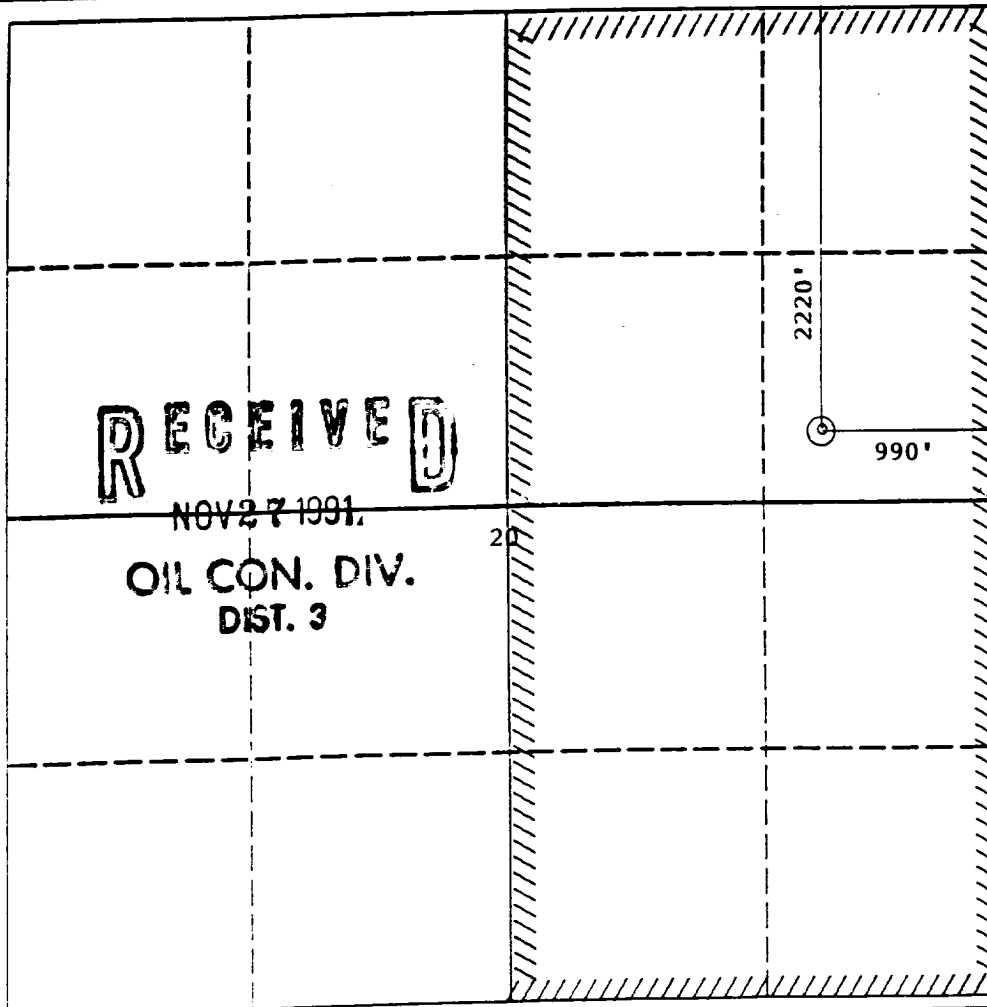
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MERRION OIL & GAS CORPORATION		Lease Santa Fe 20-21-8		Well No. 3
Unit Letter H	Section 20	Township 21N	Range 8W	County NMPM
Actual Footage Location of Well: 2220 feet from the North line and 990 feet from the East line				
Ground level Elev. 6573'	Producing Formation Dakota	Pool Snake Eyes Dakota "D"		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☒ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

JT w/ 20 #4



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

George F. Sharpe

Position

Petroleum Engineer

Company

Merrion Oil & Gas Corp.

Date

11/25/91

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 knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

SANTA FE 20 NO. 3
Dakota Recompletion Procedure

Prepared by: George F. Sharpe

Date: November 23, 1991

- 1.) Lay temporary flowline to production battery and tie in to manifold.
- 2.) MIRU Ram. POH and laydown 1 jt 3-1/2" tbg. Pick up and TIH w/ 2-7/8" tbg to 5660'. Spot 30 sx plug across Entrada perms from 5660' to 5500'.
- 3.) WOC. Tag cement. Swab well down to $\pm$ 2500'. TOH w/ tbg.
- 4.) RU Wireline. Perf Dakota from 4586' - 4590' w/ 4 SPF @ 120° per CNL-FDC log. Note that is equivalent to 4585' - 4589' on CBL log. RD Wireline.
- 5.) TIH w/ tbg. Swab in and test well.
- 6.) If necessary, install rods and pump. RDMOL.
- 7.) If necessary, install pump unit.
- 8.) Install 4" flowline. Turn well to production.

Approved: _____ Date: _____

MERRION OIL AND GAS CORP.
WELLBORE SCHEMATIC

SANTA FE 20-3

2220' FNL & 990' FEL
SECTION 20, T21N, R8W
SAN JUAN COUNTY, NEW MEXICO

ENG: G.F. SHARPE DRFT: M.E.G.
DATE: 11-25-91

ELEVATION:

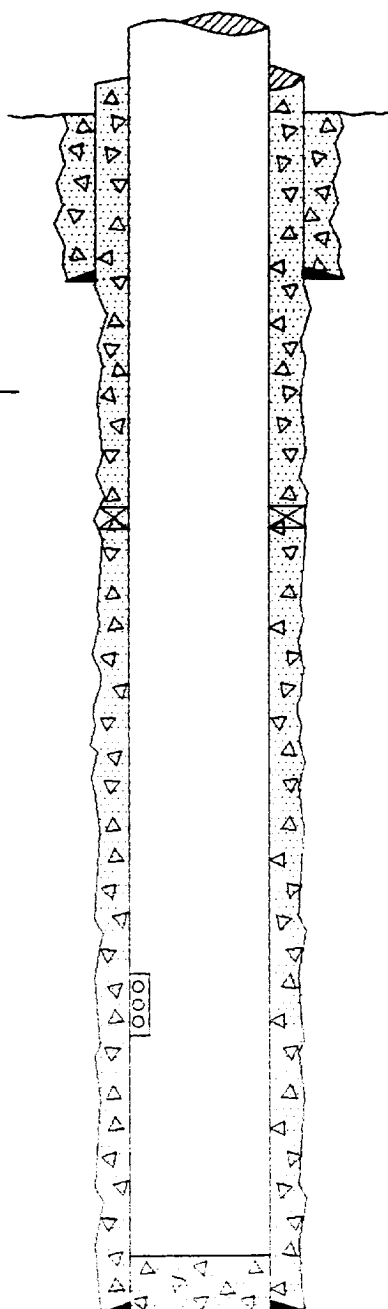
GL: 6573'
KB: 6585'

FORMATION TOPS:

GALLUP	3336'
DAKOTA	4585'
ENTRADA	5601'

ENTRADA PERFS: 5602'
@ 2 SPF 5610'

<u>CAPACITIES:</u>	B/F
7" 20#	.0404
7" 23#	.0393



13 1/4" HOLE

9 5/8", 36# CSG @ 205'
CMT W/200 SX BW/2% SALT

DV TOOL @ 3114'
CMT 2ND STAGE W/630 SX
HAL LITE W/10#/SX GILSONITE
TAIL W/50 SX B W/10% SALT
CIRC CMT TO SURFACE.

7" 20#, SURF TO 3500'
7" 23# 3500' TO 5835'

CMT 1ST STG. W/450 SX HAL LITE
W/10#/SX GILSONITE
TAIL W/100 SX B W/10% SALT.
CIRC CMT TO DV TOOL

PBTD: 5800'
TD: 5841'