

STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES



**APPLICATION
FOR PERMIT TO DRILL, DEEPEN, OR RE-ENTER AND OPERATE**

5. LEASE DESIGNATION AND SERIAL NO. C-26904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME South McCallum

8. FARM OR LEASE NAME South McCallum

9. WELL NO. 50

10. FIELD AND POOL OR WILDCAT South McCallum

11. QTR. QTR. SEC. T.R. AND MERIDIAN (SW/SW) Sec. 8, T9N, R78W
6th P.M.

12. COUNTY Jackson

13. DISTANCE, IF LESS THAN 200 FT. FROM ANY OCCUPIED BLDG. PUBLIC ROAD, ABOVE GROUND UTILITY LINE OR RAILROAD (SHOW FOOTAGES ON SURVEY PLAT) N/A

14. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1,955'

15. NO. OF ACRES IN LEASE* 281.29

16. NO. OF ACRES AND/OR DRILLING UNIT ASSIGNED TO THIS WELL N/A

17. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 454' N, 25' W

18. PROPOSED DEPTH 4,900'

19. OBJECTIVE FORMATION Niobrara

20. ELEVATIONS (Show whether GR or KB) 8,145' GR

21. DRILLING CONTRACTOR SST No. 57 PHONE NO. (307) 235-3529

22. APPROX. DATE WORK WILL START 8-1-91

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#/ft.	500'	600 Sacks
12-1/4"	9-5/8"	40#/ft.	4,200'	750 sacks lead, 175 sack tail
8-1/2"	5-1/2"	14#/ft.	7,650'	No Cement

24. IS SURFACE OWNER ALSO THE MINERAL OWNER? YES NO
If NOT surface bond must be on file or copy of surface agreement must be furnished.
If irrigated land, surface bond of \$5000 is required.

PLEASE FILL IN APPROPRIATE CODES:
OPER. NO. _____
DRLR. NO. _____
FIELD NO. _____
LEASE NO. _____
FORM CD. _____

RECEIVED

SEP 30 1991

*DESCRIBE LEASE BY QTR. QTR., SEC., TWSHP., RNG.
(SW/SW) Sec. 8, T9N, R78W

COLO. OIL & GAS CONS. COMM.

25. COGCC(3); BLM-Craig(2); BWG; JKH; Well File

PRINT Truman C. Thompson
SIGNED [Signature] TITLE Administrative Supervisor DATE 9/23/91

(This space for Federal or State Use)

PERMIT NO. 91-612 APPROVAL DATE 10/30/91 EXPIRATION DATE _____

APPROVED BY [Signature] TITLE Director DATE 10/30/91
Oil & Gas. Conserv. Comm.

CONDITIONS OF APPROVAL, IF ANY:

A.P.I. NUMBER
05-057-6364 -1

See Instructions On Reverse Side

APPLICATION

Attachment to Form 2
South McCallum Unit No. 50

Problems encountered due to poor geological control necessitated the drilling of a vertical hole to accurately locate our intended target zone. The top of the Niobrara was found at 4,055' MD (4,038' TVD) and the resistive target zone at 4,280' MD (4,260' TVD). The well was drilled to a total depth of 4,360' MD, logged and plugged back. Two plugs were set. The first from 4,347' - 4,098', and the second from 3,906' - 3,560'.

The current plan calls for kicking off the plug at 3,711' and drilling to the top of the Niobrara, where the 9-5/8" casing will be set. With data obtained from the FMS log, the projected azimuth of the well has been changed from 150 degrees to 120 degrees, giving an anticipated target depth of 4,367' MD (4,190' TVD).

Please note the new diagrams reflect the bottom hole location of the kick-off point as calculated from the multishot survey (210' departure).

RECEIVED

SEP 30 1991

COLORADO OIL & GAS CONSERVATION COMMISSION

Administrative Supervisor

APPROVAL DATE 10/30/91

91-015

DATE 10/30/91

DIRECTOR

TITLE

A.P.I. NUMBER

02-027-6384-1

See Instructions On Reverse Side