



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER **Wildcat** SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
KIRBY ROYALTIES, INC.

3. ADDRESS OF OPERATOR
518 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface **SW NW 1/4 Sec 24 - T11N - R60W**
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
21 miles East of Silt, Wyoming, 12 miles SW of that point.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
2630'

16. NO. OF ACRES IN LEASE
1200

17. NO. OF ACRES ASSIGNED TO THIS WELL
30

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1 1/2 miles on this lease.

19. PROPOSED DEPTH
5500-6000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
8012' GR

22. APPROX. DATE WORK WILL START*
July 20, 1964

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-1/4"	3-5/8"	33.0	250'	1500 lbs
7-7/8"	5-1/2"	15.5	Sufficient to go into producing horizons.	Sufficient to adequately cement across possible producing horizons.

Set and cement surface pipe as outlined above. Drill hole with gas base mud to total depth. Run logs and if production is indicated set long string as noted above or as modified by depths of any possible productive zones. Shaffer and Hydrill blowout ventor to be in use with drilling rig.

Anticipated depths to objective formations are as follows:

top Mesaverde	1310-2400'	top Mancos	3150-4330'
top Trout Creek	2420-3510'	top Norapas	4500-5530'

All work to be done in accordance with USGS and Colorado Oil & Gas Conservation Commission regulations.

* ~~ALL~~ ALL SEC 23 & SEC 24 - COMMON LEASE - CALLED NM 7/16/64 WRS

DVR	
WRS	
HHM	
JAM	
EJD	PLOTTED 7/16/64
FILE	

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED John H. Parker TITLE District Manager DATE July 15, 1964

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE JUL 16 1964

APPROVED BY W. V. Rose TITLE Director DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Permit No. **64 337**

*See Instructions On Reverse Side