

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT CONSERVATION DIVISION

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

5A. Indicate Type of Lease

STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPROVAL STAMP
UNLESS DRILLING IS COMMENCED,
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. Unit Agreement Name	
2. Name of Operator Mesa Grande Resources, Inc.		8. Farm or Lease Name Banshee	
3. Address of Operator 1200 Philtower Building, Tulsa, Oklahoma 74103		9. Well No. #1	
4. Location of Well UNIT LETTER <u>E</u> LOCATED <u>1,800</u> FEET FROM THE <u>North</u> LINE AND <u>900</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>15</u> TWP. <u>25N</u> RGE. <u>2W</u> NMPM		10. Field and Pool, or Wildcat Gav-Dak-Grn-Green-GAAC Gav Mancos	
12. County Rio Arriba			
19. Proposed Depth 8,375		19A. Formation Dakota	
20. Rotary or C.T. Rotary			
21. Elevations (Show whether DF, RT, etc.) 7,315 Gr		21A. Kind & Status Plug. Bond Statewide	
21B. Drilling Contractor Four Corners Drilling		22. Approx. Date Work will start April 15, 1988	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	9-5/8	36#-K-55	350	100 SX	Surface
8-3/4	5-1/2	17#-J-55	8375	1195 SX	2000'

Proposed Program

- Proposed well will be drilled through the Dakota Formation and will evaluate the hydrocarbon potential of the Dakota, Graneros, Greenhorn, and Mancos zones. Completion program will be determined at total depth after log analysis.
- A BOP will be installed after surface casing is set and cemented. Prior to drilling out from under surface, BOP will be tested to 500 # S.P. All subsequent work will be conducted through BOP.
- Drilling mud will be low solid non-dispersed; 35-45 visc., 8.5-9.2 lbs.
- If well is found to be non-productive, all water zones and zones with hydrocarbon shows will be bridged and cemented prior to plugging the well.
- CEMENTING: 1st - T.D. to 6600'± 135 ft³ 65/35 Poz w/ 6% Gel, 1/4# D-29 cello flake and 10% salt. Tail in w/ 350 ft³ RFC. TOC 6500'±; 2nd - 6450' to 3800'± DV tool @ 6450' w/ 280 ft³ 65/35 Poz w/ 6% Gel, 1/4# D-29 cello flake and 10% salt. Tail in w/ 950 ft³ RFC. TOC 3800'±; 3rd - 3600' to 2000'± DV tool @ 3600' w/ 580 ft³ 65/35 Poz w/ 6% Gel, 1/4# D-29 cello flake, 10% salt. Tail in w/ 465 ft³ RFC.
- West Half of Section 15, T25N-R2W, is dedicated to this well

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.

Signed Christopher Phillips Title Manager of Operations Date 3/9/88

(This space for State Use)

APPROVED BY Emil Burch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE MAR 19 1988

CONDITIONS OF APPROVAL, IF ANY:

C-104
HOLD FOR FORCE FEELING ORDER