

Form C-101
Revised 10-1-78

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P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

5A. Indicate Type of Lease

STATE	☒	FED.	☐
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S. State Oil & Gas Lease No.

LG 7435

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. Unit Agreement Name Arena Blanca	
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Farm or Lease Name 2	
2. Name of Operator Merrion Oil & Gas Corporation		9. Well No. WC Entrada	
3. Address of Operator P. O. Box 840, Farmington, New Mexico 87499		10. Field and Pool, or Wildcat 1250 1200	
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>1200</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>36</u> TWP. <u>20N</u> RGE. <u>5W</u> NMPL		11. County McKinley	
11. Elevations (Show in feet DL, RL, etc.) 6658' GL 1652'		12. Proposed Depth 5614'	
21A. Kind of Station Plug, Bond Nationwide		19A. Formation Entrada	
21B. Drilling Contractor 22. Approx. Date Work will start Summer/1985		19. Rotary or C.C. Rotary	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13-1/2"	9-5/8, J-55	32 #/ft.	200	175	Surface
8-3/4"	7", J-55	23 #/ft.	5614	As below	

Will drill 13-1/2" surface hole to 200 ft. and set 200 ft. of 9-5/8", 32 #/ft. J-55 grade casing with 175 sz Class B cement with 3% CaCl₂. Will drill 8-3/4"

hole to 5614 ft. Will run open hole logs. One drill stem test is planned at 5510' to test the Entrada Formation. If well appears productive, will run

5614 ft. of 7", 23 #/ft. J-55 grade casing and stage cement. First stage with cement with 700 sx Class H, 50-50 poz with 4% gel. (1.32 cu. ft/sk. yield)

924 cu. ft. cement to cover from TD to above top of Gallup at 3300'. Will set stage tool @ 2500' est. and cement with 300 sx Class H, 50-50 poz. 4% gel (396

ft.) to cover Mesaverde. Top of cement will be at 1000' estimated. Drilling circulating medium will be low solids, non-dispersed, low water loss

Minimum specifications for pressure control is 10" 900 series double ram blow

Will perforate and stimulate as required for completion 6-27-85

APPROVAL EXPIRES 1-1-77
UNLESS DRILLING IS COMMENCED.
SUBMITTED

APPROVAL EXPIRES
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

run
stage will
yield)
Will set
& gel (396 cu.
water loss

RECEIVED
NY PRODUCTIVE ZONE AND EXPOSED NEW
AUG 19 1985

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. IF PROPOSED IS TO DEPEND ON PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE REDWATER PREVENTION PROGRAM, IF ANY.

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

Signed [Signature] Title Operations Manager

Date 8/15/85

(This space for State Use)

APPROVED BY: ORIGINAL SIGNED BY FORTE RUMER
CONDITIONS OF APPROVAL, IF ANY:

TITLE **GEOLOGIST DISTRICT #3**

DATE DEC 27 1985

~~Serial~~ US 2 2192