

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2000
SANTA FE, NEW MEXICO 87501

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OIL CON. DIV.
DIST. 3

Form C-101
Revised 10-1-78

5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> 2. Name of Operator Manana Gas, Inc. 3. Address of Operator P.O. Box 36990, Albuquerque, N.M. 87176 4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>1230-1270</u> FEET FROM THE <u>North</u> LINE AND <u>790</u> FEET FROM THE <u>East</u> LINE OF SEC. 22 TWP. 29N RGE. 11W NMPM 5. Proposed Depth 6500 6. Formation Dakota 7. Rotary or C.T. Rotary 8. Approx. Date Work will start 5/15/86		7. Unit Agreement Name 8. Farm or Lease Name Hartman 9. Well No. 1-E 10. Field and Pool, or Wildcat Basin Dakota 11. County San Juan	
21. Elevations (Show whether DF, RT, etc.) 5470 GL 5485 21A. Kind & Status Plug. Bond Blanket 21B. Drilling Contractor UNKNOWN		22. Approx. Date Work will start 5/15/86	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	200	150	Surface
7 7/8"	4 1/2"	10.5#	6500	600	1600'

Manana Gas, Inc. will drill a 6500 ft. Dakota test with rotary tools. Mechanical logs will be run at TD. The Dakota formation will be selectively perforated and hydro-fraced. A 10" 3000 psi BOP with blind and pipe rams will be operational at all times while drilling. A 6" 3000 psi double gate manual BOP will be utilized for completion.

This is an infill Dakota well and the gas is dedicated under the original gas contract with El Paso Natural Gas Company.

DV cementing tools will be set at the base of the Point Lookout sandstone and at the base of the Pictured Cliffs sandstone for a 3 stage cement job as follows:
TD - 5350 with 250 sax - 4400" - 3200" with 260 sax - 1900" - 1600" with 65 sax

APPROVAL EXPIRES 1-23-87
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUS BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PROD TIVE 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 Ed Hartman Title President Date 4/8/86
(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE July 23 1986
CONDITIONS OF APPROVAL, IF ANY:

156-2277