

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
SANTA FE	1
FILE	2
U.S.G.S.	1
LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

30-045-24092  
Form C-101  
Revised 1-1-65

3-17-80

5A. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Mary Wheeler
9. Well No. 1-E
10. Field and Pool, or Wildcat Basin Dakota
12. County San Juan

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Mary Wheeler	
2. Name of Operator Manana Gas, Inc.		9. Well No. 1-E	
3. Address of Operator P. O. Box 145, Albuquerque, N.M. 87401		10. Field and Pool, or Wildcat Basin Dakota	
4. Location of Well UNIT LETTER M LOCATED 892 FEET FROM THE South LINE AND 624 FEET FROM THE West LINE OF SEC. 23 TWP. 30-N RGE. 12-W NMPM		12. County San Juan	
19. Proposed Depth 6500		19A. Formation Dakota	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DE, RT, etc.) 5483 GL	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Four Corners Drllg.	
22. Approx. Date Work will start December 31, 1979			

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"	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-fractured. 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 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

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 Ed Heston Title President Date 12/17/79

(This space for State Use)

APPROVED BY Frank S. Carey TITLE SECRETARY DATE DEC 18 1979

CONDITIONS OF APPROVAL, IF ANY:

Cement top must enter 100' above Cliff House sand and 100' above Fruitland sand

## OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-102  
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

All distances must be from the outer boundaries of the Section.

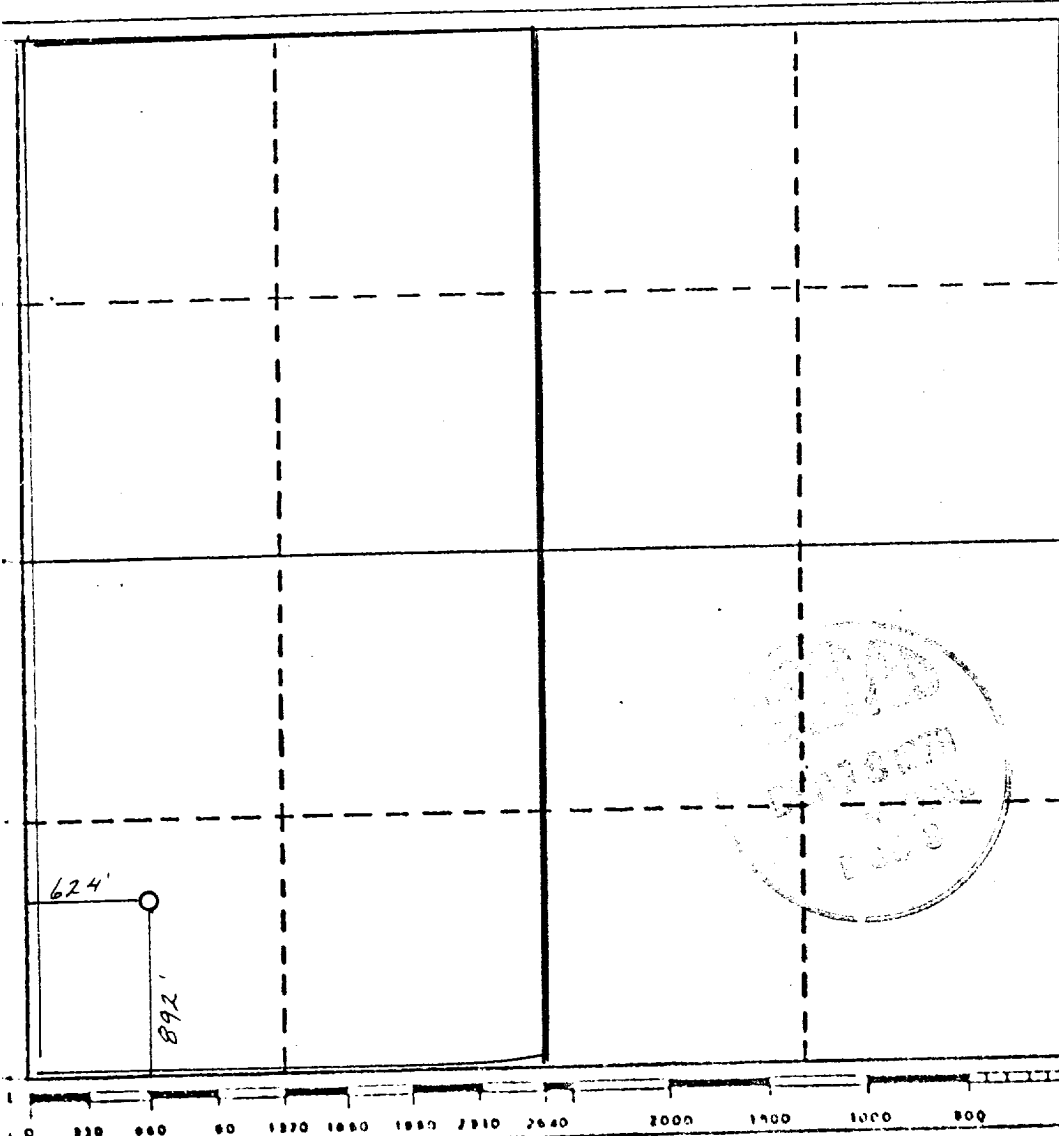
Operator <b>Manana Gas Inc.</b>		Lease <b>MARY WHEELER</b>		Well No. <b>#1-E</b>	
Unit Letter <b>I</b>	Section <b>23</b>	Township <b>30N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Postage Location of Well: <b>892</b> feet from the <b>South</b> line and <b>624</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5483</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



## CERTIFICATION

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

*Ed Hartman*

Name

Position

Pres.

Company

Manana Gas, Inc.

Date

11/29/79

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

November 29, 1979

Date Surveyed

*Richard A. Gorman*  
Registered Professional Engineer  
and/or Land Surveyor

L.P.E. #1161

Certificate No.