

30-045-26771

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

APPROVAL EXPIRES 8-26-87
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

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 Cook
9. Well No. 1-E
10. Field and Pool, or Wildcat Basin Dakota
12. County San Juan
19. Proposed Depth 6500
19A. Formation Dakota
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 5489 GL
21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor
22. Approx. Date Work will start 1/15/87

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"/>	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <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>D</u> LOCATED <u>235 (a)</u> FEET FROM THE <u>North</u> LINE AND <u>368 (a)</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>22</u> TWP. <u>29N</u> RGE. <u>11W</u> NMPM	7. Unit Agreement Name 8. Farm or Lease Name Cook 9. Well No. 1-E 10. Field and Pool, or Wildcat Basin Dakota
21. Elevations (Show whether DF, RT, etc.) 5489 GL	21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor	22. Approx. Date Work will start 1/15/87

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	200	Surface
7 7/8"	4 1/2"	10.5#	6500	2000	Surface

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 2 stage cement job as follows:
 1st stage 1000 SAX 2nd stage 1000 SAX
 (a) This well is to be drilled with a directional deviation so that the bottom of the hole will be 790 FNL and 790 FWL, a standard location.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION 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 12/8/86

(This space for State Use)

APPROVED BY Emil K. Burch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE FEB 26 1987

CONDITIONS OF APPROVAL, IF ANY:

Hold - C-101 for Directional Drilling Order

RECEIVED
DEC 09 1986
OIL CON. DIV.
DIST. 3

Operator MANANA GAS, INC.			Lease COOK		Well No. 1-E
Unit Letter D	Section 22	Township 29 NORTH	Range 11 WEST	County SAN JUAN	
Actual Footage Location of Wells 235 (a) feet from the NORTH line and 368 (a) feet from the WEST line					
Ground Level Elev. 5489	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage 321.29	Acres
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>(a) Bottom of the hole will be at a standard location of 790 FNL and 790 FWL.</p> <p>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).</p> <p>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?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation <u>Unitization Agreement</u></p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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 Commission.</p>					
<p>The survey map shows Section 22, Township 29 North, Range 11 West, San Juan County. The well location is marked at the intersection of 235' FNL and 368' FWL. Acreage calculations are shown for various tracts, including 40.2406 AC, 40.2408 AC, 40.3630 AC, 40.3629 AC, 160.0 AC, 159.0 AC, 160.0 AC, and 159.0 AC. The total acreage is 321.29 acres.</p>					
				CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Ed Hartman</u> Name Ed Hartman Position President Company Manana Gas, Inc. Date 12/8/86	
				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. <u>George R. Tompkins</u> Registered Professional Engineer and/or Land Surveyor Certificate No. 7259	

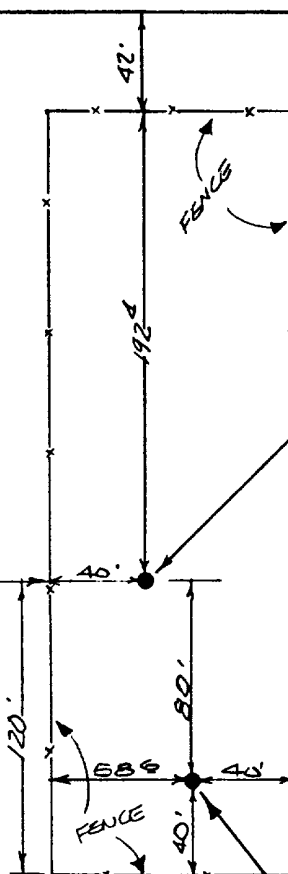
16 15
21 22

BLANCO BLVD

NW COR. SEC. 22
T29N, R11W,
N.M.P.M., SAN JUAN CO.
NEW MEXICO

NORTH FRONTIER

SCALE: 1"=60'



WELL LOCATION
COOK #1-E
235 F/NL
368 F/WL

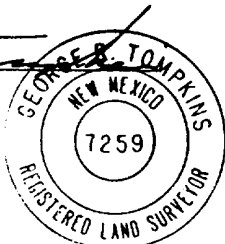
WELL LOCATION
JAN REDDING #1
315 F/NL
387 F/WL

NOTE: WELL LOCATIONS COOK #1-E AND JAN REDDING #1 ARE
BOTH MORE THAN 300 FEET FROM THE NEAREST RESIDENCE.

CERTIFICATION

I, GEORGE R. TOMPKINS, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NEW MEXICO, CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL FIELD SURVEY AND THAT REPRESENTATIONS HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

GEORGE R. TOMPKINS
NEW MEXICO REG. NO. 7259



WELL SITE LOCATION MAP
FOR

MAÑANA GAS INC.

A TRACT IN THE NW 1/4 OF SECTION 22,
T29N, R11W, N.M.P.M., SAN JUAN
COUNTY, NEW MEXICO

1"=60' 12-8-86

82M 1

WELL SITE
MAP 42074

G.T. 1

SAN JUAN ENGINEERS

2101 SAN JUAN BLVD. FARMINGTON, N.M. 87401

Proposed
Cook # 1-E
(Dakota)

Proposed
Jan Redding #1
(Chacra)

