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NEW MEXICO OIL CONSERVATION COMMISSION

SEP 14 1977

O. C. C.
ARTESIAN OFFICE

30-015-22 296

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. L-5129
7. Unit Agreement Name -----
8. Farm or Lease Name Mandy
9. Well No. 1
10. Field and Pool, or Wildcat Avalon Morrow
12. County Eddy
19. Proposed Depth 10,700'
19A. Formation Morrow
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3227 GL - 3243 KB
21A. Kind & Status Plug. Bond Statewide file @
21B. Drilling Contractor Moranco
22. Approx. Date Work will start 9/15/77

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"/>
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator Hanagan Petroleum Corporation
3. Address of Operator P.O. Box 1737, Roswell, New Mexico 88201
4. Location of Well UNIT LETTER J LOCATED 1980 FEET FROM THE East LINE AND 1980' FEET FROM THE South LINE OF SEC. 30 TWP. 20S RGE. 27E NMPM
19. Proposed Depth 10,700'
19A. Formation Morrow
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3227 GL - 3243 KB
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23.

Santa Fe

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
22"	20"	94#	25	Ready mix	Circ.
17 1/2"	13 3/8"	48#	500	500 sx.	Circ.
12 1/4 & 11"	8 5/8"	24 & 32	2000	950 sx.	Circ.
7 7/8"	4 1/2"	11.6 & 13.5	10700	1000 sx.	

Use 10" - 1500 Series BOP & Hydrill, install drlg. head, pit leveller, flow sensor, choke, gas separator, & yellow jacket @ top Wolfcamp est. @ 7850'. Drill fresh wtr. to top Wolfcamp, begin mud up w/brine wtr. 2% to 3% KCl, no wtr. loss control, mud wt. 8.8 to 9.0# at 10150', inc. to 5% KCl, 10 or less wtr. loss, wt. 9.1 to 9.3 (mix our own brine wtr.). Location 1 1/2 miles north Pecos River, approx. 1 1/4 miles west Greenwood ranch house (nearest dwelling). No existing gas contract on dedicated acreage.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 12-15-77

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 Hugh E. Hanagan Title Vice President Date 9/1/77
(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE SEP 15 1977

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 13 3/8" + 8 5/8" casing

Notify N.M.O.C.C. in sufficient
time to witness cementing
the 8 5/8" casing.

N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-

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

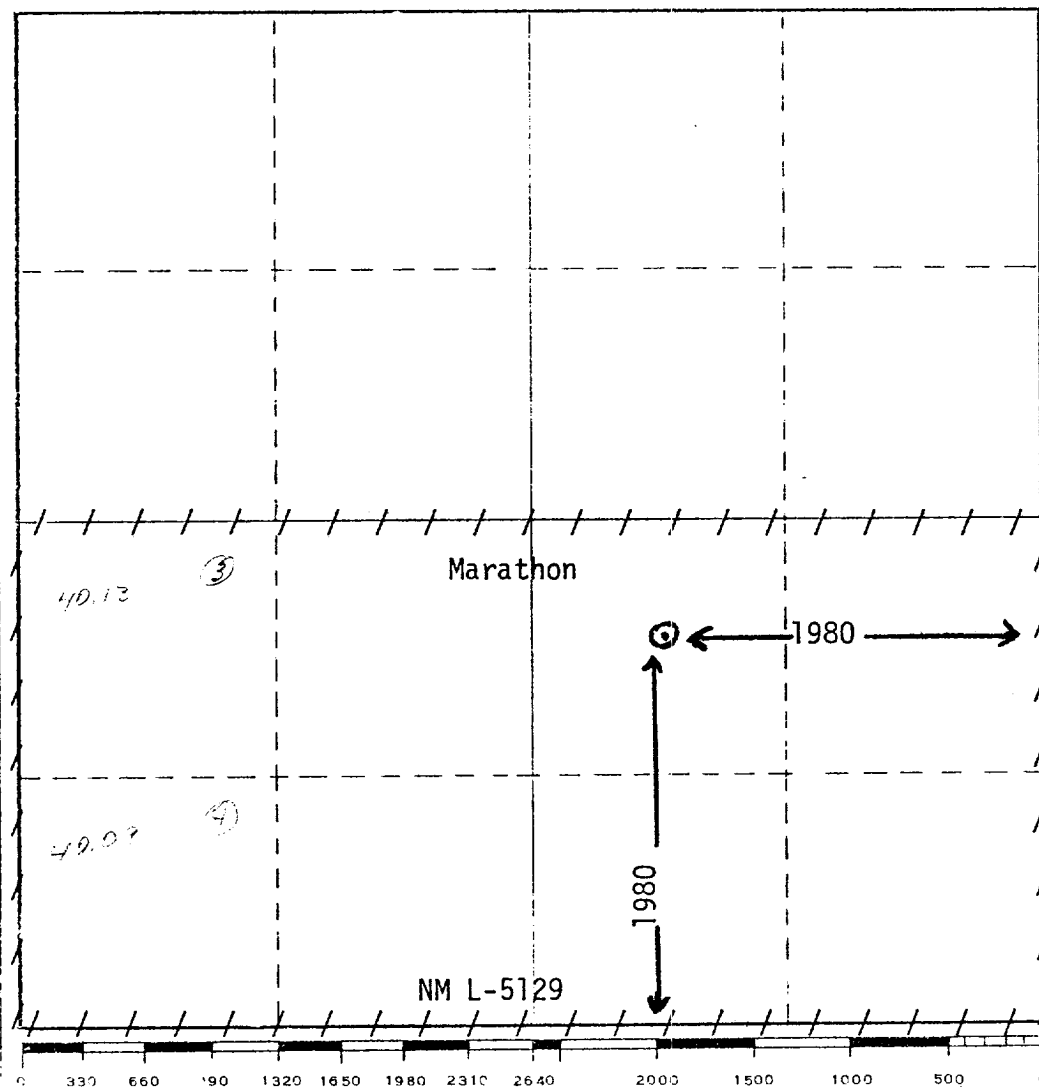
Lessee Hanagan Petroleum Corporation			Lease Mandy		Well No. 1
Section J	Section 30	Township 20 South	Range 27 East	County Eddy	
Actual Postage Location of Well:					
1980		feet from the East	line and	1980	feet from the South
Ground Level Elev. 3227	Producing Formation Morrow		Pool Avalon		Dedicated Acreage: 320.21 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 _____

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 Commission.



CERTIFICATION

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

Name **M. L. Southerland**
M. L. Southerland

Position

Agent

Company

Hanagan Petroleum Corporation

Date

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.

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.