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NEW MEXICO OIL CONSERVATION COMMISSION

30-031-20642

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" 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 Moleres Ranch 25	
2. Name of Operator Santa Fe Energy Company		9. Well No. 1	
3. Address of Operator 7200 I-40 West, Amarillo, TX 79106		10. Field and Pool, or Well No. Wildcat Entrada	
4. Location of Well UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE AND 1980' FEET FROM THE West LINE OF SEC. 25 TWP. 18N RGE. 8W NMPM		12. County McKinley	
15. Proposed Depth 4250'		19A. Formation Entrada	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 6773' GL	21A. Kind & Status Plug. Bond statewide	21B. Drilling Contractor Kenai	22. Approx. Date Work will start Nov. 1, 1980

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#	250	250	surface
7 7/8"	5 1/2"	15.5#	TD	300	1500'

It is proposed to use rotary tools to drill to and test the Entrada formation while using a water based mud as the circulating medium. If any possible productive intervals are found, either by DSTs or open hole logs, 5 1/2" casing will be run and cemented in such a manner so as to protect the Dakota and Gallup formations.

Estimated formation tops:

Point Lookout	575'	Morrison	2975'
Gallup 'A'	1725'	Entrada	4000'
Dakota 'A'	2700'		

Blow out preventer diagram is attached on other page.

APPROVAL VALUE  
FOR 60 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 2-4-81

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.

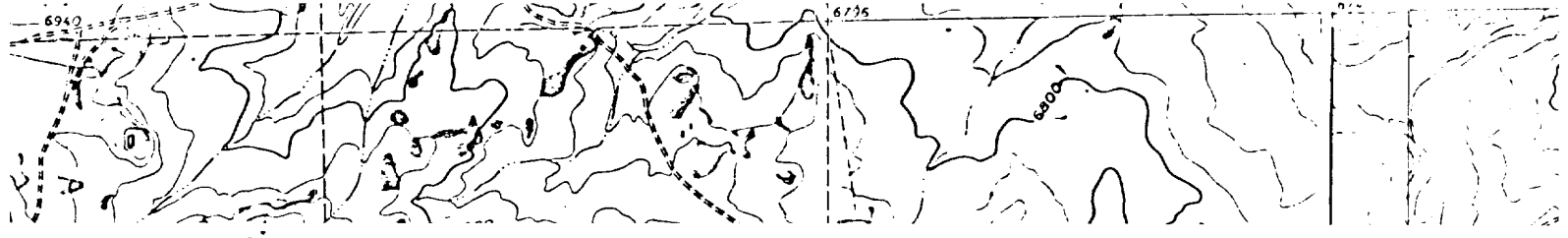
Signed R. E. Stauffer Title Drilling Superintendent Date 10-24-80

(This space for State Use)

APPROVED BY Frank J. Carey TITLE SUPERVISOR DISTRICT # 3 DATE OCT 27 1980

CONDITIONS OF APPROVAL, IF ANY:





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-7

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

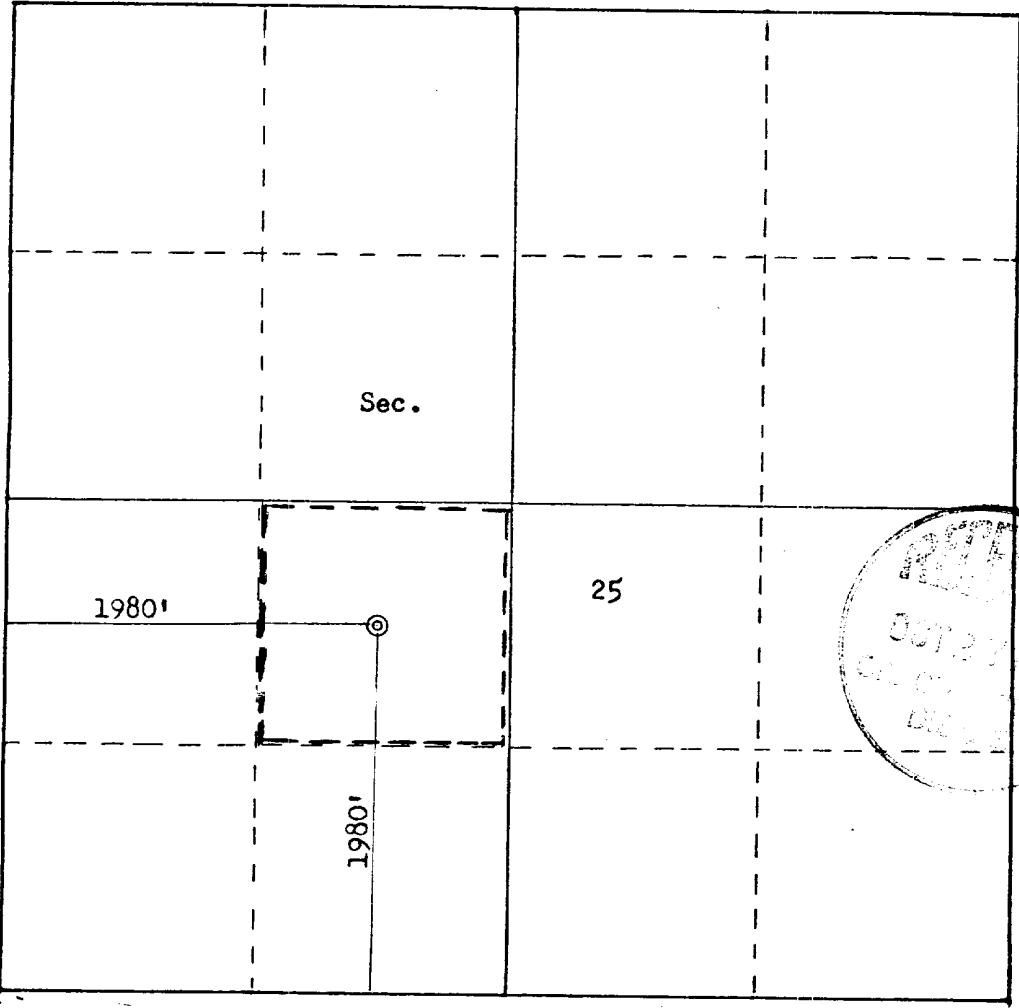
Operator <b>SANTA FE ENERGY</b>			Lease <b>MOLERES RANCH 25</b>		Well No. <b>1</b>
Unit Letter <b>K</b>	Section <b>25</b>	Township <b>18N</b>	Range <b>8W</b>	County <b>McKinley</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>South</b> line and <b>1980</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6773</b>	Producing Formation <b>Entrada</b>		Pool <b>W Idcat</b>	Dedicated Acreage: <b>40</b> 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.) \_\_\_\_\_

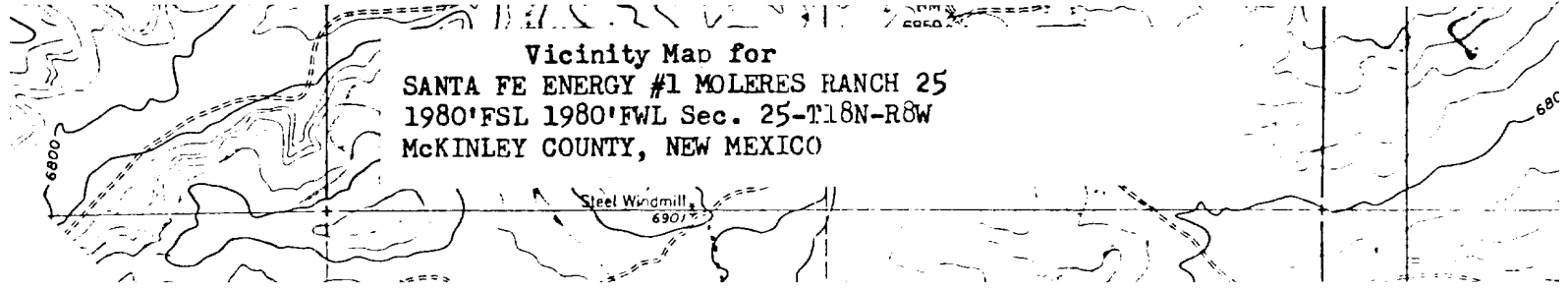
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale: 1"=1000'

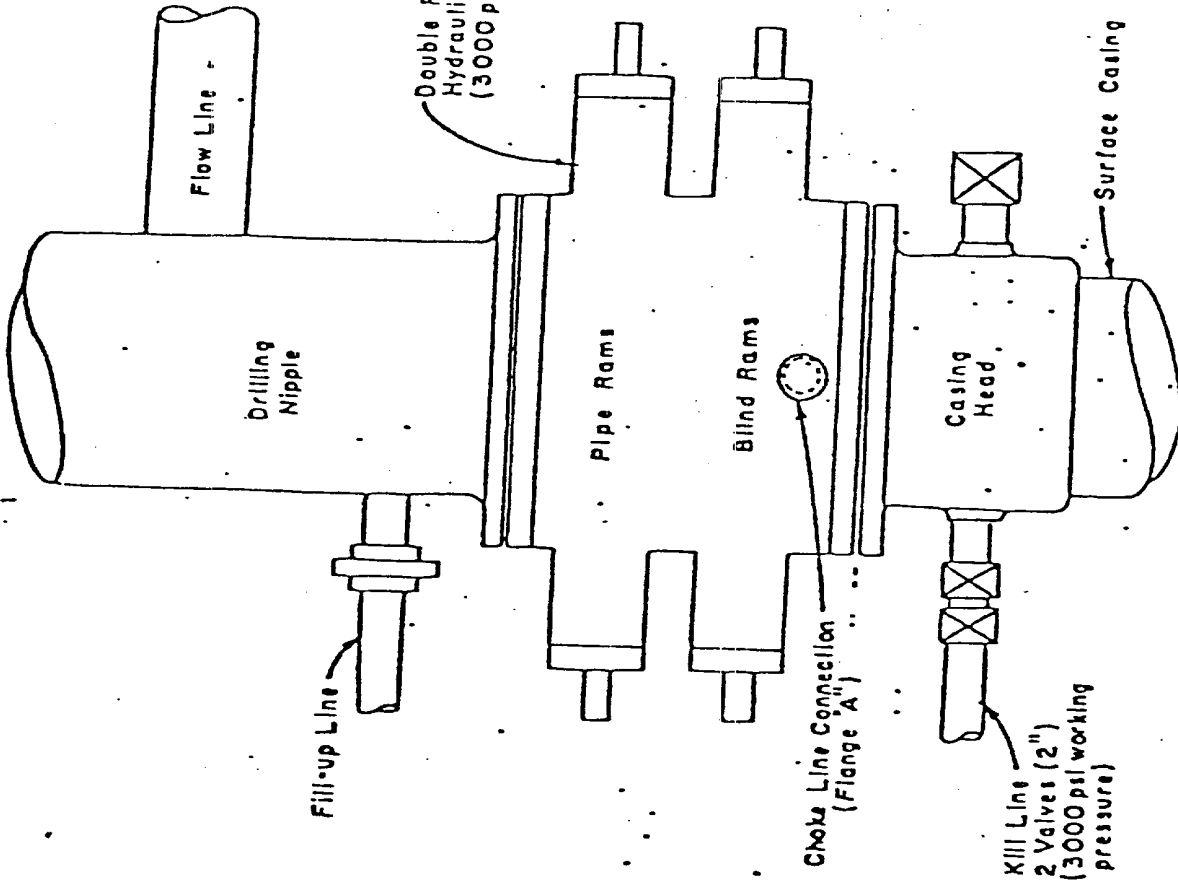
CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Sammy N. Morgan	
Name	<i>Sammy N. Morgan</i>
Position	Drilling Engineer Santa Fe Energy Company
Company	
Date	October 21, 1980
I hereby certify that the well location shown 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	October 12, 1980
Registered Professional Engineer and Land Surveyor	
<i>Frederick B. Kerr Jr.</i>	
Certificate No.	3950

FORM 24-11



Vicinity Map for  
SANTA FE ENERGY #1 MOLERES RANCH 25  
1980'FSL 1980'FWL Sec. 25-T18N-R8W  
McKINLEY COUNTY, NEW MEXICO

Blowout Preventer  
Diagram



Flanged Cross with Pressure  
Gauge in Outside Opening

Long Positive Choke

Double Ram  
Hydraulic BOP  
(3000 psi working pressure)

2" Plug Valves  
2000 CWP

Positive Choke or  
Variable Choke

Flange "A"

PLAN VIEW-CHOKE MANIFOLD