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U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

30-031-20634

Form O-1
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FILE <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. Type of Well

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. Name of Operator

Santa Fe Energy Co.

3. Address of Operator

One Security Park, 7200 I-40 West, Amarillo, Texas 79106

4. Location of Well

UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE

AND 1980 FEET FROM THE West LINE OF SEC. 10 TWP. 17N RGE. 8W NMPM

7. Unit Agreement Name

8. Farm or Lease Name

BBS Ranch 10

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat Entrada

12. County

McKinley

19. Proposed Depth

4250'

19A. Formation

Entrada

20. Rotary or C.T.

Rotary

21. Elevations (Show whether D.F., R.T., etc.)

6895' G.L.

21A. Kind & Status Plug. Bond

Statewide

21B. Drilling Contractor

Kenai

22. Approx. Date Work will start

10-15-80

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"	24.0	250	100	Surface
7 7/8	5 1/2"	15.50	T.D.	100	1500

It is proposed to drill this well with rotary tools using water base mud as circulating medium, and test the Entrada Formation. Possible productive intervals in the Entrada will be completed. Production casing will be cemented in such a manner to protect the Dakota and Gallup formations.

ESTIMATED FORMATION TOPS

APPROVAL VALID

FOR 90 DAYS UNLESS

DRILLING COMMENCED,

Point Lookout 600

Gallup 1700

Dakota 2500

EXPIRES 12-24-80

Morrison

2800

Entrada

4000

The SE/4, NW/4 Section 10 is dedicated to this well.

The gas for this well is not committed.

FOR: SANTA FE ENERGY CO.

4. 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.

ORIGINAL SIGNED BY

Signed EWELL N. WALSH

President, Walsh Engineering &

Title Production Corp.

Date 9/23/80

(This space for State Use)

APPROVED BY

TITLE

SUPERVISOR DISTRICT 3

DATE

CONDITIONS OF APPROVAL, IF ANY:

SEP 25 1980

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

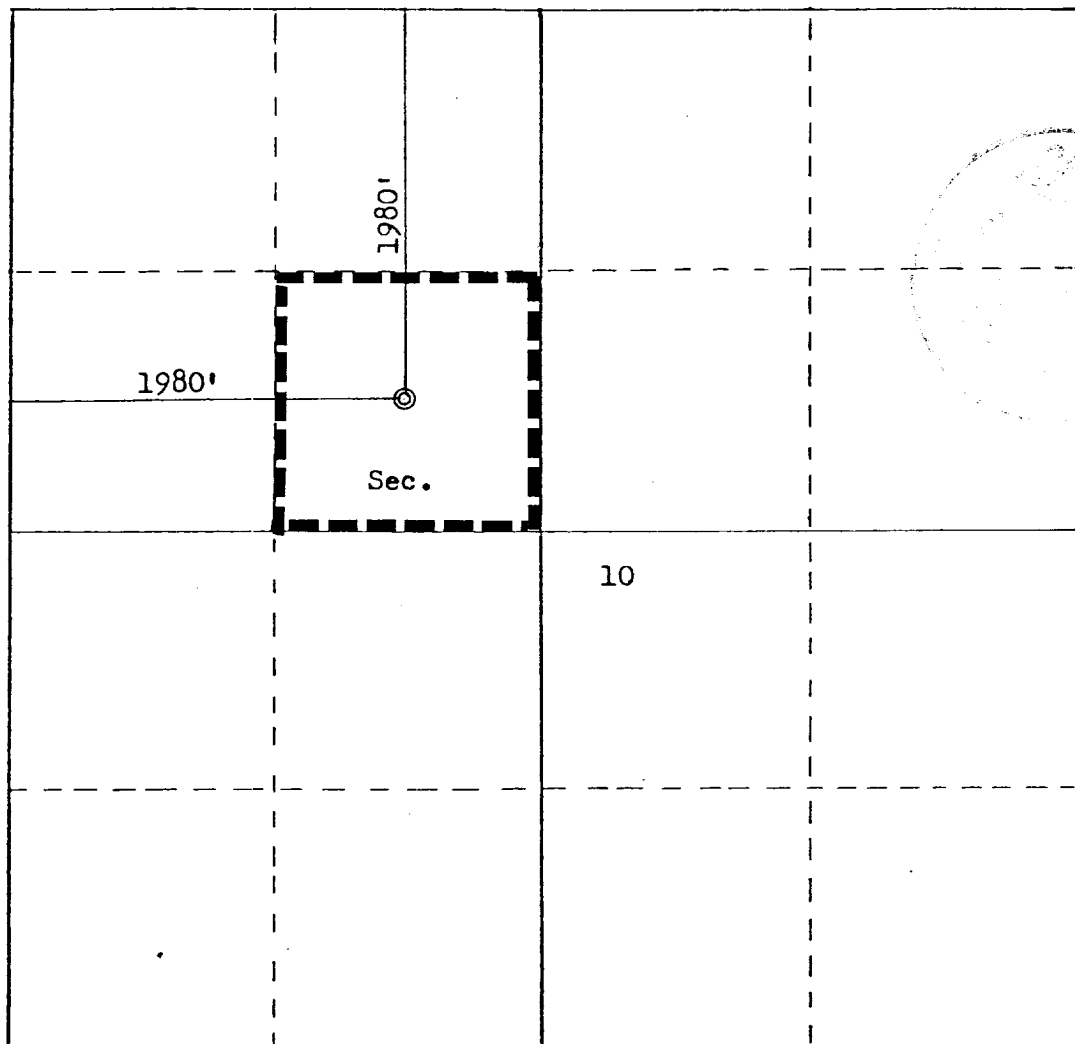
Operator SANTA FE ENERGY COMPANY			Lease BBS RANCH 10		Well No. 1
Unit Letter F	Section 10	Township 17N	Range 8W	County McKinley	
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the West line					
Ground Level Elev: 6895	Producing Formation Entrada		Pool Wildcat		Dedicated Acreage: 40 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 _____

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.	
FOR: SANTA FE ENERGY CO.	
ORIGINAL SIGNED BY	
Name	EWELL N. WALSH
Position	Walsh Engineering & Prod. Corp.
Company	Walsh Engineering & Prod. Corp.
Date	9/23/80
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	September 23, 1980
Registered Professional Engineer and Land Surveyor No. 50	
Fred B. Kerr Jr.	
Certificate No.	3950

SANTA FE ENERGY CO.
BBS RANCH 10, No. 1
1980'FNL, 1980'FWL, Sec. 10-T17N-R8W
McKinley County, New Mexico

1. Surface Casing.
See Application for Permit to Drill.
2. Spools and Flanges
 - A. Surface Casing - 8", Series 600, 2000 psi W.P.
 - B. Production, 8", Series 600, 2000 psi W.P.
 - C. Tubing Head - Series 600, 2000 psi W.P.
3. Intermediate Casing.
None
4. Blowout Preventers
Production Hole - 10", 3000 psi
Fill, Kill and Choke Manifold - 5000 psi. W.P.
5. Additional Equipment (If Necessary)
 - A. Kelly Cock
 - B. Bit Float
 - C. Degasser
 - D. Pit Level Indicator
 - F. Sub with valve for drill pipe.
6. Anticipated Bottom Hole Pressure
1700 psi. Current mud program is for 9.2 lb./gal mud
with hydrostatic head of 2020 psi at 4250 feet. Mud
weight will be increased if necessary for higher pressures.
7. Drilling Fluid
Gel-Water

Blowout Preventer Diagram

Santa Fe Energy Co.
BBS Ranch 10, No. 1
1980'FNL, 1980'FWL, Sec. 10-T17N-R8W
McKinley County, New Mexico

PLAN VIEW-CHOKE-MANIFOLD

