

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

30-015-25866  
Form C-101  
Revised 10-1-78

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SANTA FE	<input checked="" type="checkbox"/>
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OPERATOR	<input checked="" type="checkbox"/>

JAN 21 '88

O. C. D.

5A. Indicate Type of Lease  
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.  
NM LG8478

7. Unit Agreement Name

8. Farm or Lease Name  
Sterling Silver 32

9. Well No.  
1

10. Field and Pool, or Wildcat  
Undesignated West Sand  
Dunes Morrow

12. County  
Eddy

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. Name of Operator

Santa Fe Energy Operating Partners, L.P.

3. Address of Operator

500 W. Illinois, Suite 500, Midland, TX 79701

4. Location of Well

UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE  
AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 23S RGE. 31E NMPM

19. Proposed Depth  
15,500'

19A. Formation  
Morrow

20. Rotary or C.T.  
Rotary

21. Elevations (Show whether DF, RT, etc.)

3370.5

21A. Kind & Status Plug. Bond

Blanket - current

21B. Drilling Contractor

To be determined

22. Approx. Date Work will start  
as soon as possible

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48.0	650'	1175 cu.ft. circ.	
12 1/4"	9 5/8"	40.0	4,350'	3892 cu.ft. circ.	
8 1/2"	7"	26.0 & 29.0	12,000'	1200 cu.ft. circ.	
6"	4 1/2"	13.5	11,500-15,500'	660 cu.ft.	

13 3/8" casing will be cemented with sufficient Class "C" cement containing 4% gel, 1/4#/sk cellofane flakes to circulate to surface when followed by 330 cu.ft. of Class "C" with 2% Calcium Chloride.

9 5/8" casing to be cemented with sufficient lite cement to circulate to surface when followed by 264 cu.ft. Class "C" containing 2% Calcium Chloride.

7" casing to be cemented with 50/50 Class "H" Poz containing 6# salt per sack and 0.6% fluid loss reducer to bring cement to 8,000'.

4 1/2" casing to be cemented with sufficient Class "H" cement containing 0.6% fluid loss reducer, 0.4% friction reducer, 0.6% gas block agent and 5#/sk KCl to fill to 300' above liner top. All cement to weigh at least 1 ppg more than mud weight used to drill the interval.

Blow out preventer system will consist of a triple ram preventer with annular and choke manifold. Ram preventer and manifold will be rated at 10000 psi and annular preventer will be rated at 5000 psi.

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 Michael R. Burton Title District Drilling Engineer

Post 10 #1  
NL&API  
Date 1-19-88 1-22-88

(This space for State Use)

Original Signed By  
Mike Williams  
Oil & Gas Inspector

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

DATE JAN 21 1988

CONDITIONS OF APPROVAL, IF ANY:

FOR 180 DAYS  
7/21/88  
CITY OF SANTIAGO UNDERWAY