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NEW MEXICO OIL CONSERVATION COMMISSION

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.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		State NM 3	
2. Name of Operator		9. Well No.	
Santa Fe Energy Co.		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
7200 I-40 West, Amarillo, Texas 79106		Tulk (Atoka-Morrow)	
4. Location of Well		UNDIGNATED	
UNIT LETTER <u>P</u> LOCATED <u>660</u> FEET FROM THE <u>South</u> LINE		12. County	
AND <u>660</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>3</u> TWP. <u>15S</u> RGE. <u>32E</u> NMPM		Lea	
19. Proposed Depth		19A. Formation	
PBD 12,308		Atoka-Morrow	
20. Rotary or C.T.		NA	
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
4304' KB		10-15-81	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
Blanket/Exp. 7-30-82		Well Units	

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	54.5	430	450 sx	Surface
12 1/4	9 5/8	40	4300	950 sx	100'
8 1/2 & 7 7/8"	5 1/2"	17 & 20	13,550	1600 sx in 2 stages	Uncertain

Well is presently plugged back on the Tulk Devonian via a cement retainer set at 13,360' with cement below. The Austin-Mississippian is plugged back via a permanent packer with plug set at 12,315'. (See attached wellbore diagram).

It is proposed to set a CIBP @ 12,308', test Morrow perfs at 12,292'-300' treat and plug back if necessary. If Morrow perfs are non-commercial it is proposed to test Atoka perfs 11,842'-53' and treat if necessary.

Note: Form C-102 reflects 160 acres dedicated. Will apply for non-standard proration unit if Atoka-Morrow is productive.

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 *[Signature]* Title Petroleum Engr. Date 9-14-81
(This space for State Use)

Orig. Signed by

APPROVED BY Jerry Sexton TITLE DATE SEP 18 1981

CONDITIONS OF APPROVAL, IF ANY: Dist 1, Supv.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

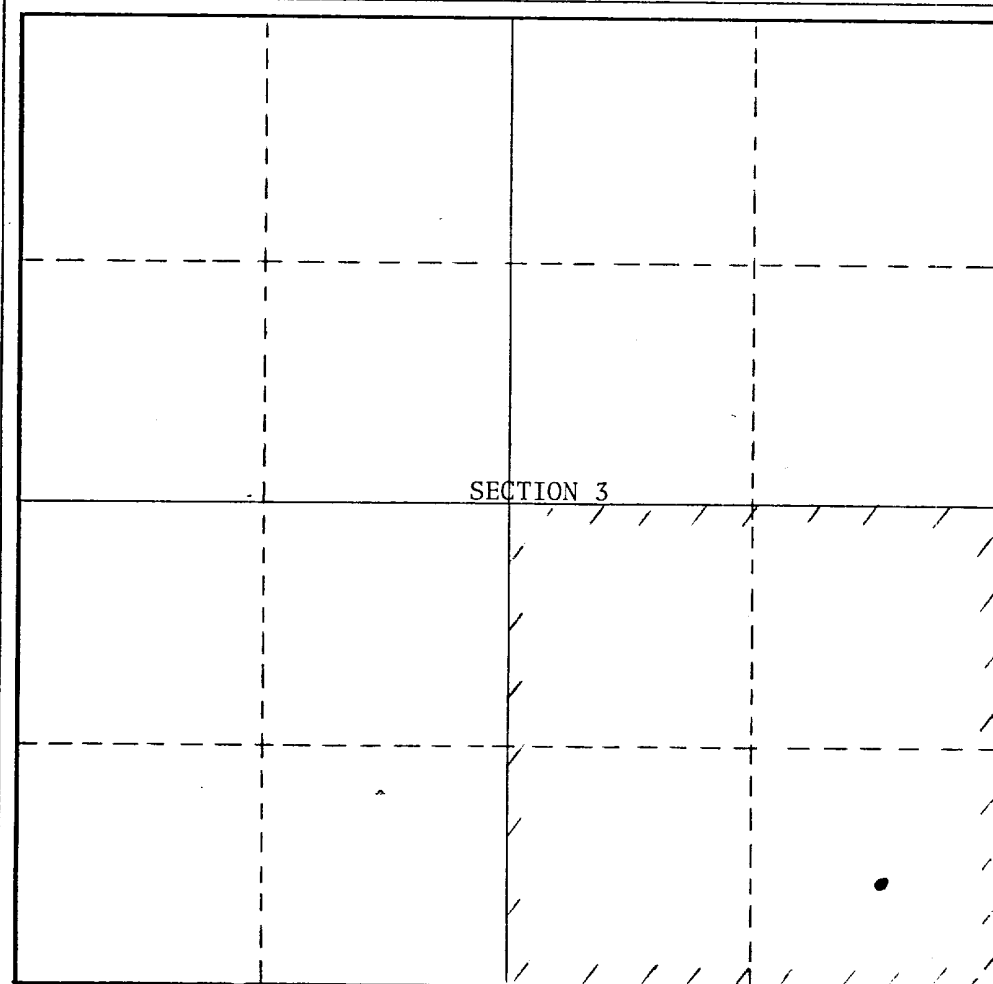
Operator Santa Fe Energy Company			Lease State N M "3"		Well No. 1
Unit Letter P	Section 3	Township 15S	Range 32E	County Lea	
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the East line					
Ground Level Elev. 4287	Producing Formation Proposed Atoka/Morrow		Pool Tulk (Atoka/Morrow)	Dedicated Acreage: 160 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.

Anthony J. Welker

Name
Anthony J. Welker

Position
Petroleum Engineer

Company
Santa Fe Energy Company

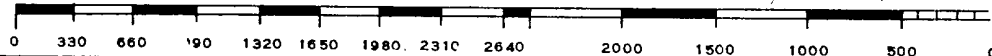
Date
September 14, 1981

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.



Site NM "3" No. 1

All depths ref: to CNL-FDC

13 3/8" 54.5 # K-55 @ 430'
(cut to surface)

9 5/8" 40 # K-55 ST4C @ 4300'
(T.O.C. @ 100', Temp. Survey)

17 5/2" above
9176

10,498' Canyon

Atoka/Morrow
11,450'

11,842' proposed for test
11,853'

Sqz holes @ 12,180' for 2 stg cut,

12,292' proposed for test
12,300'

od's wB Perma-boill @ 12,315'
Tail pipe @ 12,336' w/ tbg plug
set and juck on top of tbg plug.

12,366 Acid w/2200 gallons
12,390 measured 5 MCFPB
DV Tool @ 12,517'

Austin - Mississippi

Devonian cut ret @ 13,360'

PB 13,360

13,480 Acid w/500 gallons
13,485 Swb est. 18 BPH, 3% oil

PB 13,500'

cut ret @ 13,500'

13505 Last test 980 P.D + 300 BWPB
13512

PB 13549'

13523
13531

5 1/2" 17 420 # N-80 LT+C
@ 13,550'

3/81
ASW



SANTA FE ENERGY COMPANY

ODC DIVISION / ONE SECURITY PARK, 7200 I-40 WEST, AMARILLO, TX 79106, TELEPHONE: (806) 355-9681

September 14, 1981

New Mexico Energy and Minerals Department
Oil Conservation Division
Box 1980
Hobbs, New Mexico 88240

Gentlemen:

Re: Attached forms

Please find 5 copies of Form C-101 (Application to Plug Back) and C-102 (Acreage Dedication Plat) enclosed and submitted on our State N. M. 3 No. 1.

We propose to test two intervals in the Atoka-Morrow formation. As we are unable to define a bottom for the Atoka, the forms refer to the proposed test as Atoka-Morrow.

Form C-102 reflects 160 acres of dedication for these tests. If commercial production is achieved, we will apply for a non-standard proration unit in the event a completion results in a gas well classification.

If further information is required, please advise.

Sincerely,

Anthony J. Welker
Petroleum Engineer

AJW:eb

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

SUNDRY NOTICES AND REPORTS ON WELLS <small>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)</small>		5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. State Oil & Gas Lease No.
2. Name of Operator Santa Fe Energy Company		7. Unit Agreement Name
3. Address of Operator 7200 I-40 West Amarillo, Texas 79106		8. Farm or Lease Name State NM 3
4. Location of Well UNIT LETTER <u>P</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>3</u> TOWNSHIP <u>15S</u> RANGE <u>32E</u> NMPM.		9. Well No. 1
15. Elevation (Show whether DF, RT, GR, etc.) 4300' KB		10. Field and Pool, or Wildcat Tulk (Devonian)
16.		12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER Testing of Austin-Mississippian ☒
ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-6-81 to 3-9-81

Set cmt retainer @ 13,500' and squeezed Devonian perfs 13,500-12' w/40 sx. Perf Devonian 13,480-85'. Run pkr. Acidized w/500 gallons 7 1/2%. Swbd 94 BW @ est. 3% oil cut max.

Set cmt retainer @ 13,360' and squeezed Devonian perfs 13,480-85' w/40 sx. Perf 4 shots @ 12,415'. Set cmt retainer @ 12,405'. Swb test perfs 12,415' to check cmt integrity. Swbd dn.

Set permanent pkr @ 12,315'. Ran tbg & swbd dn. Perf Austin-Mississippian interval 12,366-90' thru tbg. Swbd dry. Est. 30 MCFPD rate. Acidize w/2200 gallons 15%. AIR 1/2 BPM @ 6000 psi. Swbd dry w/SL show gas. Set plug in SN Nipple below pkr. POOH w/wireline. LD one stand tbg. Reverse hole clean w/2% KCL wtr. Closed well in and rig down.

Well shut-in pending uphole potential evaluation. PBD 12,315'.

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

SIGNED [Signature] TITLE Petroleum Engineer DATE 3-23-81

APPROVED BY [Signature] TITLE DATE

CONDITIONS OF APPROVAL IF ANY:

(2)
(740)