

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-045-28219
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	

7. Lease Name or Unit Agreement Name	State Gas Com "AA"
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8. Well No.	#1
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9. Pool name or Wildcat	Basin Fruitland Coal Gas
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SUNDRY NOTICES AND REPORTS ON WELLS
(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.)

1. Type of Well:	OIL WELL ☐ GAS WELL ☒ OTHER ☐
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2. Name of Operator	Amoco Production Company Attn: John Hampton
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3. Address of Operator	P.O. Box 800, Denver, Colorado 80201
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4. Well Location	Unit Letter <u>K</u> : <u>1535</u> Feet From The <u>South</u> Line and <u>2275</u> Feet From The <u>West</u> Line
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Section <u>36</u>	Township <u>30N</u>	Range <u>8W</u>	NMPM	San Juan	County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>6057' GR</u>					

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☐
	CASING TEST AND CEMENT JOB ☐
	OTHER: <u>Change of operator</u> ☐

12. 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.

The subject well has changed operatorship effective 9/18/90, from Mesa Operating Limited Partnership to Amoco Production Company.

Please see revised drilling and completion program.

The name of the subject well has been changed from FC State Com #26 to State Gas Com "AA" #1.

RECEIVED

OCT 31 1990

OIL CON. DIV.

DIST. 3

Please contact Cindy Burton (303)830-5119 if you have any questions.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.		
SIGNATURE <u>J. Hampton</u>	TITLE <u>Sr. Staff Admin. Supr.</u>	DATE <u>10/30/90</u>
TYPE OR PRINT NAME <u>John Hampton</u>		

TELEPHONE NO. 303-830-5025

(This space for State Use)

APPROVED BY <u>Original Signed by FRANK T. CHAVEZ</u>	TITLE <u>SUPERVISOR DISTRICT # 3</u>	DATE <u>OCT 31 1990</u>
CONDITIONS OF APPROVAL, IF ANY:		

Summary

AMOCO PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

Lease & Well # STATE GAS CO. 1001 1001 0001 Date: 10/27/90
 Field Basin Fruitland Coal Gas City/St. San Juan/NM FLAC NO. 201993
 Surf. Loc. SEC 36 30N 8W 1535FSL 2075FWHLOC same
 Coal Deqas 1309

CRITICAL WELL _____ NON-CRITICAL WELL X

ORIGINAL X REVISION # _____

LOGGING PROGRAM

TYPE DEPTH INTERVAL
 FDC/GR/CAL TD to base of 7" casing
 Microlog
 Mudlogger TD to base of 7" casing

REMARKS Run FDC at slow speed, high sample rate. Bulk density presentation as per standard coal log format. Custom edit 8 track LIS tape to W. L. Pelzmann in Denver - ASAP.

NOTE Mudlogs will be the only log if the well is completed as an open hole. The log suite stated above will be run only if the well is deepened into the Pictured Cliffs.

APPROXIMATE DEPTHS OF GEOLOGICAL MARKERS

ESTIMATED ELEVATION 6069 KB

MARKER	TVD ELEV.	MEAS. DEPTH
Ojo Alamo	+4232	1837
Fruitland	+3492	2577
Ignacio Seam #	+3376	2723
Cottonwood Seam #	+3297	2772
Cahn Seam #	+3285	2814
Pictured Cliffs	+3187	2882

TOTAL DEPTH + 3187 2880

*POSSIBLE FAY #PROBABLE COMPLETION INTERVAL

DRILL CUTTING SAMPLES	DRILLING TIME
FREQUENCY DEPTH INTERVAL	DEPTH DEPTH INTERVAL
10' Base 7" csg.-TD	Geolograph BSC-TD

Remarks The Pictured Cliffs will not be penetrated if the well is completed successfully open hole. If the well is not a successful open hole completion, the well will be deepened to 3080. Mud-logger to modify TD based on location of basal seam

MUD PROGRAM

Approximate Interval	Type Mud	Weight #/Gal.	Viscosity Sec. API	W/L CC/30M	Other Specifications
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0-250' mud
 250'-int. csg pt. LSND 8.6-8.9 Sufficient to clean hole.
 int. csg pt. - water w/induced air for hole cleaning purposes.

top of Pictured Cliffs

Remarks: In the event the well does not yield commercial volumes of gas from the open hole completion, the water filled hole will be mudded up and weighted up (9-11 #/gal) with LSND mud for hole stability and well control. The well will then be deepened approximately 200' into the Pictured Cliffs to provide necessary footage for a cased and cemented completion technique to allow a fracture stimulation.

CASING PROGRAM (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

CASING STRING	DEPTH	EST. CASING SIZE #	HOLE SIZE	SX CEMENT	TYPE CEMENT	DESCRIP. OF LANDING PT
SURFACE	250	9 5/8, 36"	12 1/4	(200 cf to sfc.)	**	
INTERMEDIATE	2689	7", 23"	8 3/4	(753 cf to sfc.)	**	Above abnormally pressured coal seams
LINER CASING	TD	N/A	6 1/4	None	***	Open hole

Remarks: *** A contingency 4 1/2" liner will be run and cemented if the well is deepened into the Pictured Cliffs for a fracture stimulation. ** Operation Center to design.

WELLHEAD: 3,000 psi flanged equipment

COMPLETION PROGRAM Planned open hole completion. A contingency completion will require as many as two fracture stimulations.

GENERAL REMARKS: This well to be maintained in confidential status. Region is to provide statement in permit to regulatory agencies that indicates the Pictured Cliffs will be penetrated approximately 200' in the event the planned open hole completion in the coal seams does not yield a commercial volume of gas. The contingency plan to drill into the Pictured Cliffs will allow adequate rat hole for a cemented liner across the coal seam. The cemented liner will provide isolation for a necessary fracture stimulation to initiate a commercial volume of gas.

PREPARED BY:

G. E. Gray, W. L. Pelzmann, T. R. Enterline J. L. Spittler

APPROVALS: Crisis / 10/27/90
Signature / 10/27/90

PRODUCTION DEPARTMENT

DATE

EXPLORATION DEPARTMENT

DATE

Wcd 10/30/90
 10/30/90

Submit to Appropriate
District Office
State Lease -- 6 copies
Fee Lease -- 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

SEP 07 1990

API NO. (Assigned by OCD on New Wells)

30-045-28219

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

E 1193-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OR
WELL ☐

GAS
WELL ☒

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

7. Name of Operator

MESA OPERATING LIMITED PARTNERSHIP

8. Address of Operator

P.O. BOX 2009, AMARILLO, TEXAS 79189

7. Lease Name or Unit Agreement Name

FC STATE COM

8. Well No.

26

9. Pool name or Wildcat

Basin Fruitland Coal

4. Well Location

Unit Letter

K

: 1535

Feet From The

South

Line and

2275

Feet From The

West

Line

Section

36

Township

30N

Range

8W

NMPM

San Juan

County

10. Proposed Depth

2950'

11. Formation

Fruitland

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, OR, etc.)

6057' GR

14. Kind & Status Plug. Bond

Blanket

15. Drilling Contractor

Not Yet Determined

16. Approx. Date Work will start

17.

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#	200'	150 sx 'B'+2%CC	Surface
7 7/8"	5 1/2"	17#	2950'	400 Poz/250 'B'	Surface
	2 3/8"	4.7#	2900'		

Propose to spud well with 12 1/4" hole and drill to 200' and set 8 5/8" surface casing. Will cement with 150 sx Class "B" and raise cement to surface. Will nipple up 3000 psi BOP assembly and drill 7 7/8" hole to TD of 2950' with fresh water mud system. Will then log well and evaluate for possible commercial production. If successful, will then run 5 1/2" casing to 2950' and cement with 400 sx Pozmix followed by 250 sx Class "B" cement. Will move off drilling rig and move in completion unit.

APPROVAL EXPIRES 3-11-91
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED

cc: NMOC-D-Aztec (0+6), WF, Reg., Land, Expl., Drig. WITHIN 10 DAYS

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.

SIGNATURE

Carolyn L. McKee

TITLE Sr. Regulatory Analyst

DATE 9/4/90

(806) 378-1000

TELEPHONE NO.

TYPE OR PRINT NAME

Carolyn L. McKee

(This space for State Use)

APPROVED BY

James A. ...

TITLE

DATE

SEP 11 1990

REPRESENTED CHANGE OF THE

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

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Santa Fe, New Mexico 87504-2088

DISTRICT I

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1000 Rio Brazos Rd., Alamogordo, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MESA OPERATING LIMITED PARTNERSHIP		Lease FC STATE COM		Well No. 26
Unit Letter K	Section 36	Township 30 N	Range 8 W	County San Juan
Actual Footage Location of Well: 1535 feet from the South line and 2275 feet from the West line				
Ground level Elev. 6057	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal		Dedicated Acreage: S/2 320 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).

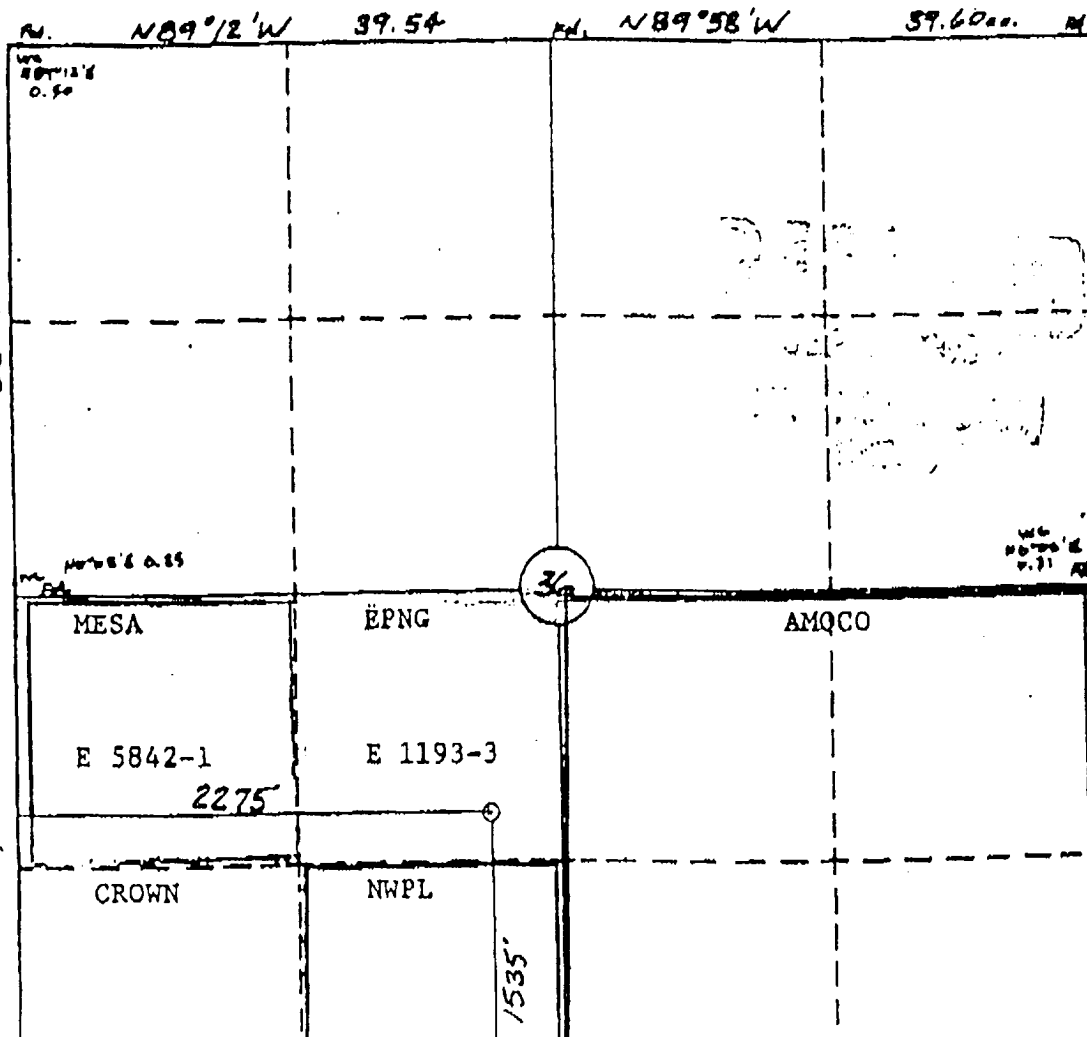
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Communitization

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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900 0



OPERATOR CERTIFICATION

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

Signature

Printed Name

Carolyn L. McKee

Position

Sr. Regulatory Analyst

Company

Mesa Ltd Partnership

Date

9/4/90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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.

8-27-90

Date Surveyed

William E. Mahnke II

Signature & Seal of Professional Surveyor

NEW MEXICO
#C406
Certificate No. 8466