

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-25132

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

FALCON SEABOARD GAS COMPANY

3. ADDRESS OF OPERATOR

c/o DAVE SIMMONS BOX 48, FARMINGTON, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1278' FNL & 1652' FEL
At proposed prod. zone 1620' 2200'

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 Miles southwest of Dulce, NM.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 1278

16. NO. OF ACRES IN LEASE
640 2558.90

17. NO. OF ACRES ASSIGNED
TO THIS WELL.
320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 7000'

19. PROPOSED DEPTH

4460

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

2470 GR 7459

This action is subject to technical and
procedural review pursuant to 43 CFR 3185.3
and appeal pursuant to 43 CFR 3185.4.

22. APPROX. DATE WORK WILL START*

AS SOON AS POSSIBLE

23.

PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
12-1/4	8-5/8	24	250	
7-7/8	5-1/2	17		180 sks circ to surface 2 stages circulated to surface

Exhibits attached as follows:

A: Location and Elevation Plat
B: Ten Point Compliance Plan
C: Blowout Preventer Schecmatic
D: Multi-point Requirements for APD
E: Vicinity Map - Access Roads

F: Drilling Rig Layout
G: Completion Rig Layout
H: Location Profile
I: Production Facilities Schematic

"Approval of this action does
not constitute a finding that the applicant
holds a legal or equitable right
or title to this lease."

RECEIVED

OCT 29 1991

OIL CON. DIV.
DIST. 3

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R. D. Simmons

TITLE

Agent

DATE

8-11-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

*See Instructions On Reverse Side

APPROVED
AS AMENDED

OCT 23 1991

AREA MANAGER

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

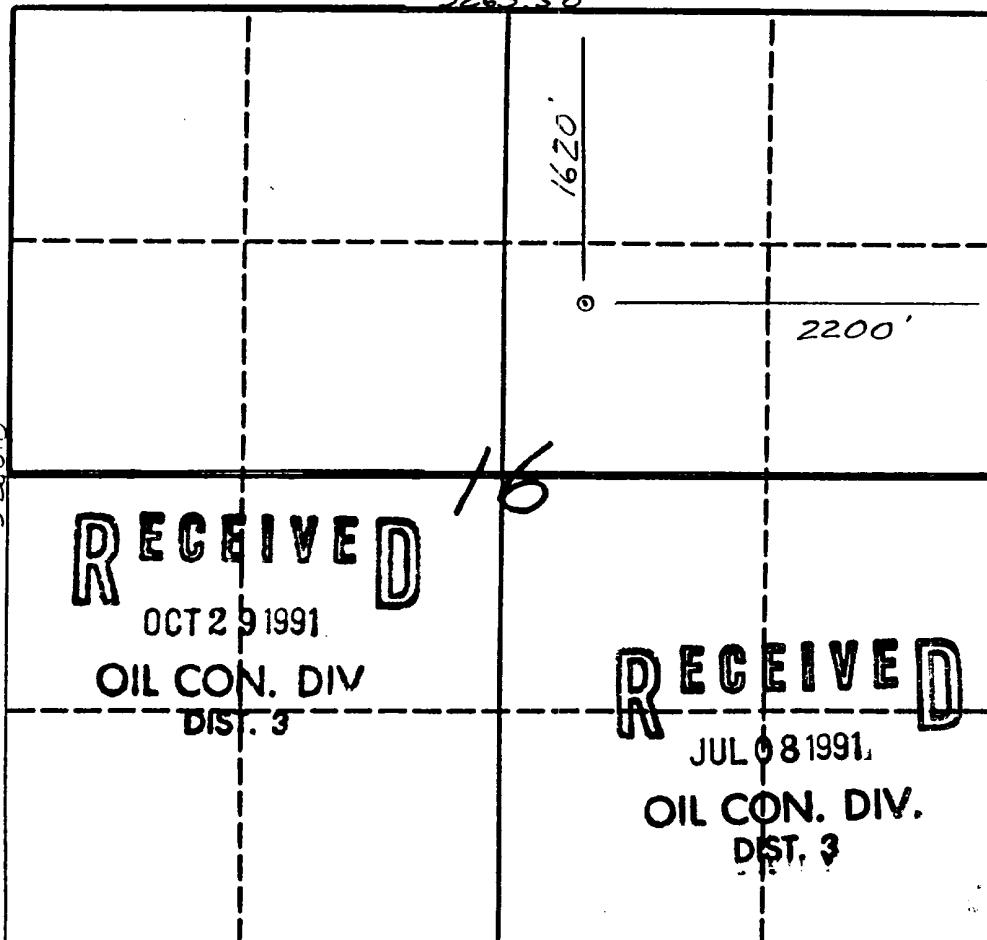
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Falcon Seaboard GAS Co.			Lease 29-4 Carson 16		Well No. 1
Unit Letter G	Section 16	Township 29 North	Range 4 West	County Rio Arriba	
Actual Footage Location of Well: 1620 feet from the North line and 2200 feet from the East line					
Ground level Elev. 7459'	Producing Formation Fruitland		Foot Basin Fruitland Coal		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hectare marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 _____
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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature *[Signature]*
Printed Name **R D Simmons**
Position **Agent**
Company **Falcon Seaboard Gas Co.**
Date **July 5, 1991**

SURVEYOR CERTIFICATION

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 **5-3-91**
Signature *[Signature]*
Professional **NEALE EDWARDS**
Certificate No. **6857**
Neale Edwards

TEN POINT COMPLIANCE PROGRAM

Falcon Seaboard Gas Company
29-4 Carson 16 #1
1278' FNL & 1652' FEL, Sec. 16, 29N, 4W
Rio Arriba County, New Mexico
Lease No. SF079758

5. Operator's Minimum Specifications for Pressure Control:

EXHIBIT "C" is a schematic of the 2M blowout preventer equipment. The BOP's will be hydraulically tested prior to drilling out from under surface and operational checks will be made daily thereafter and recorded in the drilling tour report. Accessories to BOP will include floor safety valve and choke manifold with pressure rating equivalent to the BOP stack.

6. The type and Characteristics of the Proposed Circulating Muds:

Mud system will be gel-chemical with adequate stocks of sorptive agents on location to handle possible spills of fuel and oil in the surface. Heavier muds will be on location to be added if pressure requires.

<u>Interval</u>	<u>Mud Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Ph</u>	<u>Additives</u>
0- 250	9.0	50	---	9	Lime
250- TD	9.0-10.5	38 - 40	6cc	9	Chemicals

7. Auxiliary equipment to be used is as follows:

- FLoat valve above bit.
- Monitoring of mud system will be visual.
- A sub with a full opening valve will be on the floor when the kelly is not in use.

8. Testing, logging and coring will be as follows:

- Cores - side wall rotary cores may be taken.
- Drill stem tests - none anticipated.
- Logging - IEC from 0 to TD. FDC over pay zones.

9. Anticipated Abnormal Pressures and Temperatures:

No abnormal pressure, temperatures or hydrogen sulfide gases are anticipated during the course of drilling to TD. The maximum bottom hole pressure to be expected is 1500 psi.

10. Anticipated Starting Date and Duration of the Operations:

The anticipated starting date is set for as soon as possible, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 15 days.

TEN POINT COMPLIANCE PROGRAM

Falcon Seaboard Gas Company
29-4 Carson 16 #1
1278' FNL & 1652' FEL, Sec. 16, 29N, 4W
Rio Arriba County, New Mexico
Lease No. SF079758

1. The Geological Surface Formation is : NACIEMENTO.
2. The Estimated Tops of Important Geological Markers:

Ojo Alamo	3719
Kirtland SH	3892
Fruitland	4015
Picture Cliffs	4161
TD	4460

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals:

Substance	Formation	Anticipated Depth
Gas	Fruitland Coal	4015

4. The proposed casing program will be as follows:

<u>Depth</u>	<u>Hole size</u>	<u>O.D.</u>	<u>WeightF</u>	<u>Grade</u>	<u>Type</u>	<u>New/Used</u>
0-250 ft.	12-1/4	8-5/8	24	K55	ST&C	NEW
0-T.D.	7-7/8	5-1/2	17	K55	LT&C	NEW

The proposed cement program will be as follows:

Surface: 200 sks. Class "B" w/ 1/4# Flocele/sk. and 3% calcium chloride.

Production: 1ST STAGE: 20 bbls flush, 200 sks (242 cf) 50/50 pozmix, 2% gel, 0.6% Halad 322, tail w/ 225 sks (265 cf) std. w/0.4% Halad 344, 0.4% CFR-3, 0.2% Super CBL.

2ND STAGE: 20 bbls flush, 300 sks (495 cf) HOWCO Lite, 0.6% Halad 322, 2% KCL (BWOW), 1/4#/sk Flocele, tail w/ 50 sks (59 cf) std. cmt.

NOTE: Sufficient cement volume to cover casing top to bottom to be determined after logging. A minimum of One centralizer per 200 feet will be run on production string.

EXHIBIT B

FALCON SEABOARD GAS COMPANY

23-4 CARSON 16 #1

1278' FNL & 1652' FEL Sec. 16-29n-4W

Lease No. SF 079758

EXHIBIT E

