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UNITED STATES

AUG 21 1990

30-039-24891

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**OIL CON. DIV.****DIST 3****APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. Type of Work Drill		5. Lease Number NM-18318	
1b Type of Well Gas		6. If Indian, Name of Allottee or Tribe	
2. Operator FALCON SEABOARD GAS COMPANY		7. Unit Agreement Name	
3. Address & Phone No. of Operator c/o A. R. Kendrick Box 516, Aztec, NM 87410 (505) 334-2555		8. Farm or Lease Name 29-4 Carson 19	
4. Location of Well (Unit H) 1610' FNL 940' FEL		9. Well Number 1	
14. Distance in Miles from Nearest Town 15 Miles southwest of Dulce, NM		10. Field, Pool, or Wildcat Basin-Fruitland Coal Gas Pool	
		11. Section, Township, & Range, Meridian, or Block H- 19-29N-4W	
		12. County Rio Arriba	13. State New Mexico
15. Distance from Proposed Location To Nearest Property Line or Lease Line. 940'	16. Acres in Lease 319.48 Acres	17. Acres Assigned to Well N-319.48 Acres	
18. Distance From Proposed Location To Nearest Well Dr, Compl., Or Applied For On Lease. 233'	19. Proposed Depth 3700'	20. Rotary or Cable Tools Rotary <small>DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"</small>	
21. Elevations (DR, RT, OR, Etc.) 6635' OR		22. Approximate Date Work Will Start. As soon as Possible.	

23. Proposed Casing and Cementing Program

Exhibits attached as follows:

"A" Location and Elevation Plat
"B" Ten-Point Compliance Program
"C" Blowout Preventer Schematic
"D" Multi-Point Requirements for APD
"E" Vicinity Map - Access Roads

"F" Drill Rig Layout
"G" Completion Rig Layout
"H" Location Profile
"I" Production Facility Schematic

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

24. Signed *AR Kendrick* Title Agent Date 8-5-90Permit No. Approval Date Approved By *[Signature]* Title Date
or title to the land.

NOTE: THIS FORMAT IS ISSUED IN LIEU OF U.S. BLM FORM 3160-3.

156-2837 (1)

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-79

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1960, 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 Company			Lease 29-4 Carson 19		Well No. 1
Unit Letter H	Section 19	Township 29 North	Range 4 West	County Rio Arriba	
Actual Footage Location of Well: 2120 feet from the North line and 950 feet from the East line					
Ground level Elev. 6608	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal Gas		Dedicated Acreage: 319.48 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

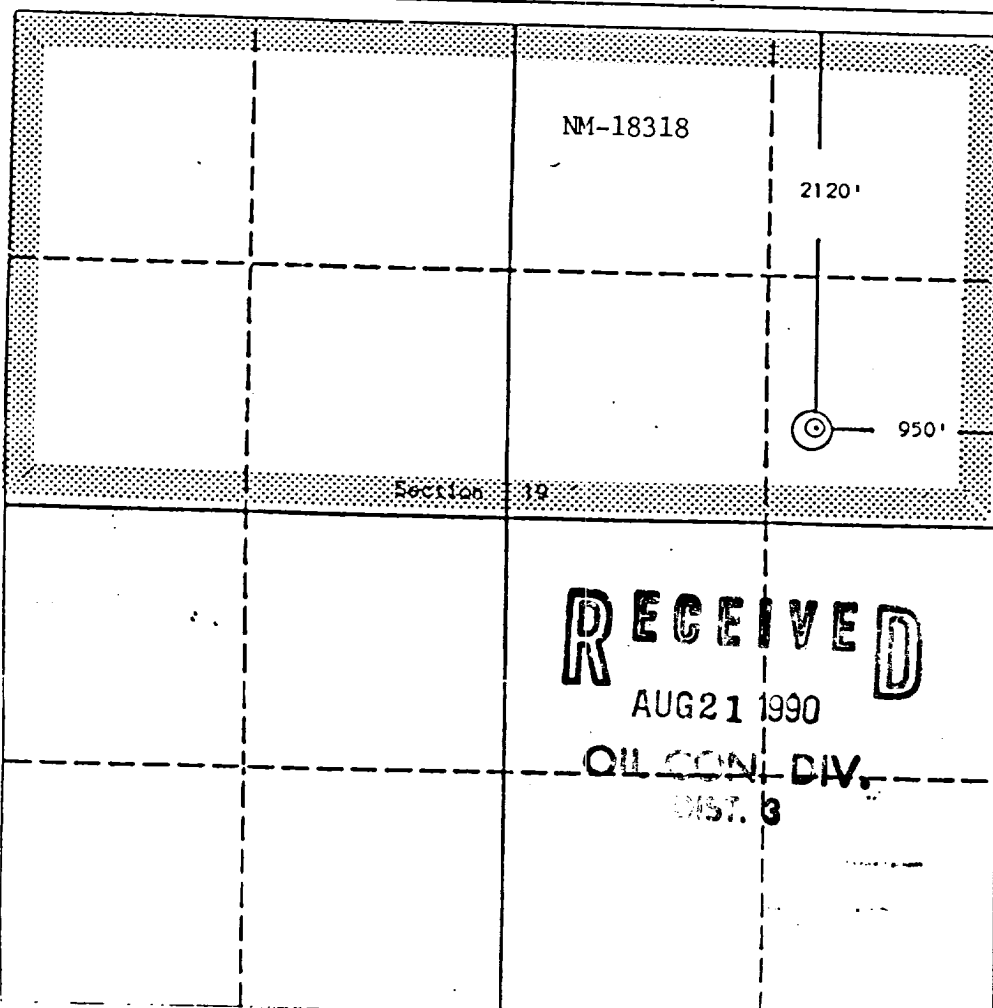
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

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.



OPERATOR CERTIFICATION

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

Signature
A. R. Kendrick
Printed Name
A. R. Kendrick
Position
Agent
Company
Falcon Seaboard Gas Co.
Date
June 25, 1990

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
May 22, 1990

Signature & Seal of Professional Surveyor
Edgar L. Risenhoover
Edgar L. Risenhoover
NEW MEXICO
3979
5970
Edgar L. Risenhoover, P.S.

TEN-POINT COMPLIANCE PROGRAM

1

Falcon Seaboard Gas Company
29-4 Carson 19 #1
1610' FNL 940' FEL Sec. 19-29N-4W
Rio Arriba County, New Mexico
Lease No. **NM-18318**

1. THE GEOLOGICAL SURFACE FORMATION IS: Nacimiento.
2. THE ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

OJO ALAMO	2882'
KIRTLAND	2996'
FRUITLAND	3229'
PICTURED CLIFFS	3393'
T.D.	3700'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

<u>SUBSTANCE</u>	<u>FORMATION</u>	<u>ANTICIPATED DEPTH</u>
GAS	Fruitland Coal	3229'

4. THE PROPOSED CASING PROGRAM WILL BE AS FOLLOWS:

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>O.D.</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>TYPE</u>	<u>NEW/USED</u>
0-250'	12-1/4"	8-5/8"	24	K-55	ST&C	NEW
0-TD	7-7/8"	5-1/2"	15.5	J-55	ST&C	NEW

THE PROPOSED CEMENT PROGRAM WILL BE AS FOLLOWS:

Surface: 200 Sx Class B with 1/4 pound/sack Flocele Plus 3% CaCl.

Production: 325 Sx Class B w/3% Sodium meta silicate followed by 140 Sx Class B 50/50 poz w/2% gel.

Note: Sufficient cement volume to cover casing bottom to top to be determined after logging.

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Exhibit C is a schematic of the blowout preventer used by a local contractor for other wells in the area. The BOPs are to be test-operated before drilling out from under the surface casing, and operation checks will be made daily thereafter and recorded in the Daily Drilling Report. Accessories to BOP will include floor safety valve and choke manifold with pressure rating equivalent to the BOP stack.

EXHIBIT B

Falcon Seaboard Gas Company
29-4 Carson 19 #1
1610' FNL 940' FEL Sec. 19-29N-4W
Rio Arriba County, New Mexico
Lease No. **NM-18318**

6. THE TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS:

<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	9.1-10.5	38-40	6 cc	9	Chemicals as needed

7. AUXILIARY EQUIPMENT TO BE USED IS AS FOLLOWS:

- a. Float valve above bit.
- b. Monitoring of mud system will be visual.
- c. A safety valve and subs to fit all drill strings will be used.

8. TESTING, LOGGING, AND CORING WILL BE AS FOLLOWS:

- a. Cores: none.
- b. Drill stem tests: none anticipated.
- c. Logging: IEC from 0' to TD. CNL/FDC over potential pay zones.

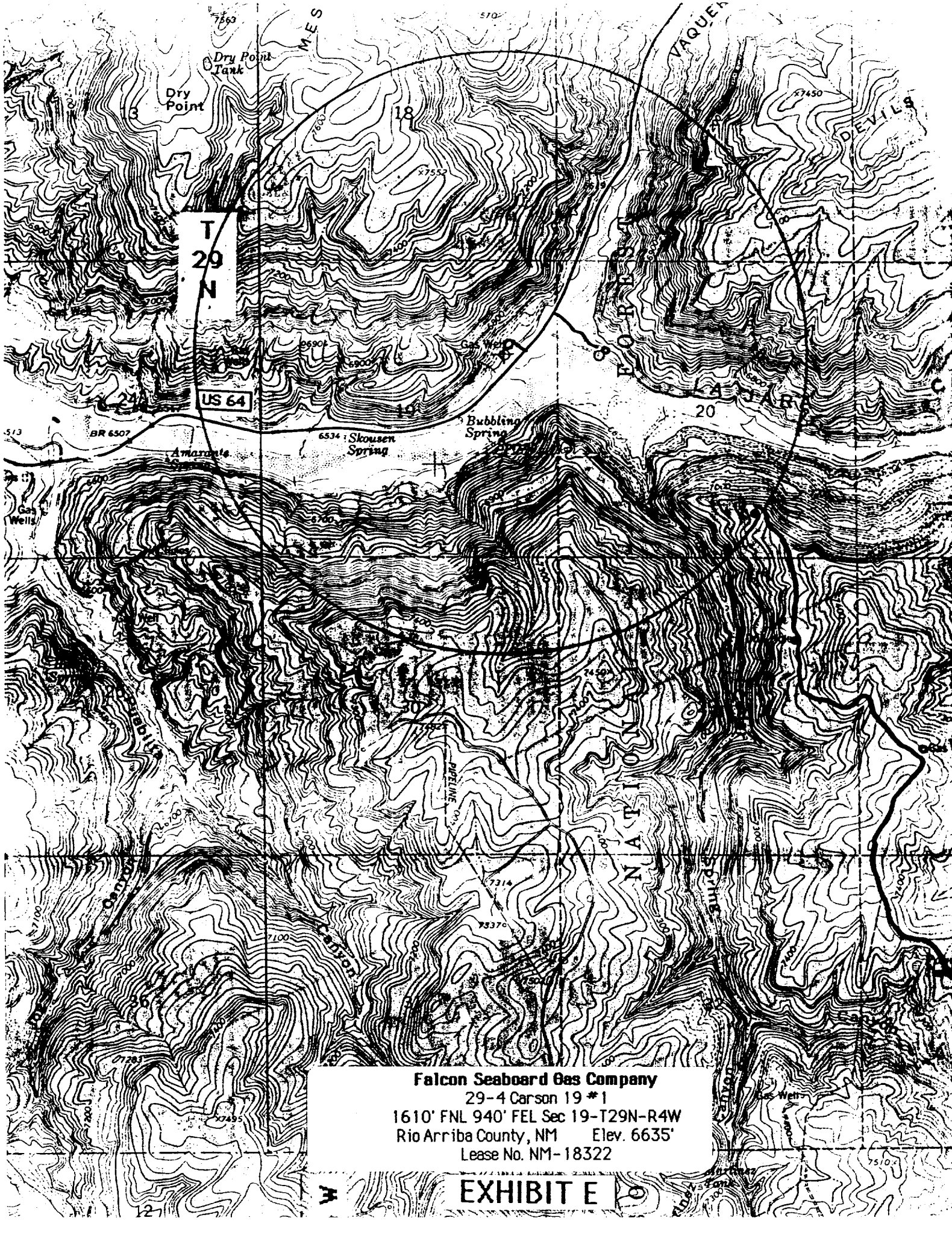
9. ANTICIPATED ABNORMAL PRESSURES AND TEMPERATURES:

No abnormal pressures, temperatures or Hydrogen sulfide gases are anticipated during the drilling of this well. The maximum bottom hole pressure is expected to be less than 1500 psi.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The anticipated starting date is set for as soon as possible after the approval of the Application for Permit to Drill is approved (Summer, 1990).

The operations should be completed within 15 days after the spud date.



Falcon Seaboard Gas Company

29-4 Carson 19 #1
1610' FNL 940' FEL Sec 19-T29N-R4W
Rio Arriba County, NM Elev. 6635'
Lease No. NM-18322

EXHIBIT E