

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | | | |
|---|--------------------------------|--|--|-------------------------------|
| Operator Name and Address. Gothic Production Corporation 5727 S. Lewis Tulsa, OK 74105 | | C/O J.O. Easley, Inc. P.O. Box 2691 Roswell, NM 88202-2691 | | OGRID Number 163768-169680 |
| Property Code 23995 | Property Name Tolmack State | | | API Number 30-005-63195 |
| | | | | Well No. 5 |

7 Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| | 36 | 9S | 25E | A | 660 | North | 810 | East | Chaves |

8 Proposed Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|--|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| Proposed Pool 1 Pecos Slope Abo (82730) | | | | | Proposed Pool 2 | | | | |

| | | | | |
|---------------------|--------------------------|------------------------|-----------------------|---------------------------------|
| Work Type Code N | Well Type Code G | Cable/Rotary Rotary | Lease Type Code XS | Ground Level Elevation 3642' |
| Multiple No | Proposed Depth 4,600' | Formation Abo | Contractor | Spud Date ASAP |

21 Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17 1/2" | 13-3/8" | 48# | 40' | To Surface | Post ID-1 |
| 12 1/4" | 8-5/8" | 24# | 900' | 550 | 12-31-98 |
| 7-7/8" | 4 1/2" | 10.5# | 4,600' | 539 | API + Loc |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Exhibit "A" - C101
Exhibit "B" - Drilling Program
Exhibit "C" - BOP Layout

Notify N.M.O.C.C. in sufficient
time to witness cementing
the 8 5/8" casing



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

Signature: *James L. Schultz*
Printed name: James L. Schultz

Title: Permit Agent for Gothic Production Corp.

OIL CONSERVATION DIVISION

Approved by: *Jim L. ...*
Title: District Supervisor

Approval Date: 12-22-98

Expiration Date: 12-22-99

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2068, SANTA FE, N.M. 87504-2068

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------------|--------------------------------------|------------------------------|
| API Number | Pool Code 82730 | Pool Name Pecos Slope Abo |
| Property Code | Property Name TOLMACK STATE | Well Number 5 |
| OGRID No. 169680 | Operator Name GOTHIC ENERGY CORP. | Elevation 3642 |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 36 | 9 S | 25 E | | 660 | NORTH | 810 | EAST | CHAVES |

Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|-----------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. | | | | | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

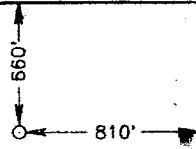
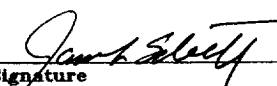
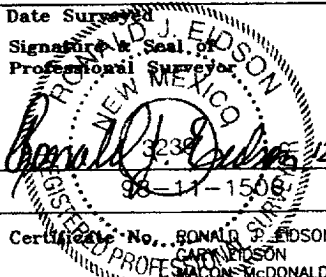
| | | |
|--|--|--|
|  L-2464 | OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature James L. Schultz Printed Name Agent for Gothic Prod. Corp Title 12-8-98 Date | |
| | SURVEYOR CERTIFICATION I hereby certify 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 belief. DECEMBER 1, 1998 Date Surveyed Signature of Seal of Professional Surveyor DMCC  3239 98-11-1506 Certified No. 3239 RONALD G. EDSON CAROL EDSON WACON McDONALD 12641 12185 | |
| | | |
| | | |

EXHIBIT "B"
Tolmack State #5

DRILLING PROGRAM

I. The geological surface formation is recent Permian with quaternary alluvium and other surficial deposits.

II. Estimated Tops of Geological Markers:

| <u>FORMATION</u> | <u>DEPTH</u> |
|------------------|--------------|
| San Andres | 560' |
| Glorietta | 1550' |
| Tubb | 3000' |
| Abo | 3640' |
| TD | 4600' |

III. Estimated depths at which water, oil, gas, or other mineral-bearing formations are expected to be encountered:

| <u>SUBSTANCE</u> | <u>DEPTH</u> |
|------------------|------------------|
| Fresh Water | None anticipated |
| Oil | None anticipated |
| Gas | 3700' (1st gas) |

IV. A. Proposed Casing Program:

| <u>HOLE SIZE</u> | <u>CASING SIZE</u> | <u>GRADE</u> | <u>WEIGHT PER FOOT</u> | <u>DEPTH</u> |
|----------------------|------------------------|--------------|----------------------------|--------------|
| 17 1/2" | 13 3/8" | H-40 | 48# | 40' |
| 12 1/4" | 8 5/8" | J-55 | 24# | 900' |
| 7 7/8" | 4 1/2" | J-55 | 10.5# | 4600' |

B. Proposed Cement Program:

| | |
|---------|---|
| 13 3/8" | Cement with Ready-Mix to surface. |
| 8 5/8" | Cement with 350 sx Halliburton light with 2% CaCl ₂ and 200 sx Class "C" with 2% CaCl ₂ . Circulate to surface. |
| 4 1/2" | Cement with 539 sx Class "C" 50/50 POZ, 2% Gel, 6# SaH, .3% CR2-2, .3% Hallno 4. |

V. Proposed Mud Program:

Fresh water and natural mud to top of Abo @ 3640'. Mud up 100' above Abo with 15 cc water loss, 9.5#/ gal mud weight and 35 viscosity mud.

VI. Proposed Control Equipment:

Will install Shaeffer type E 10" series 900 hydraulic BOP. See Exhibit "C" for BOP layout.

VII. Auxiliary Equipment:

Blowout preventor, gas detector, kelly cock, pit level monitor, flow sensors, and stabbing valve.

VIII. A. Testing Program:

Drill Stem Tests: If necessary

B. Logging Program:

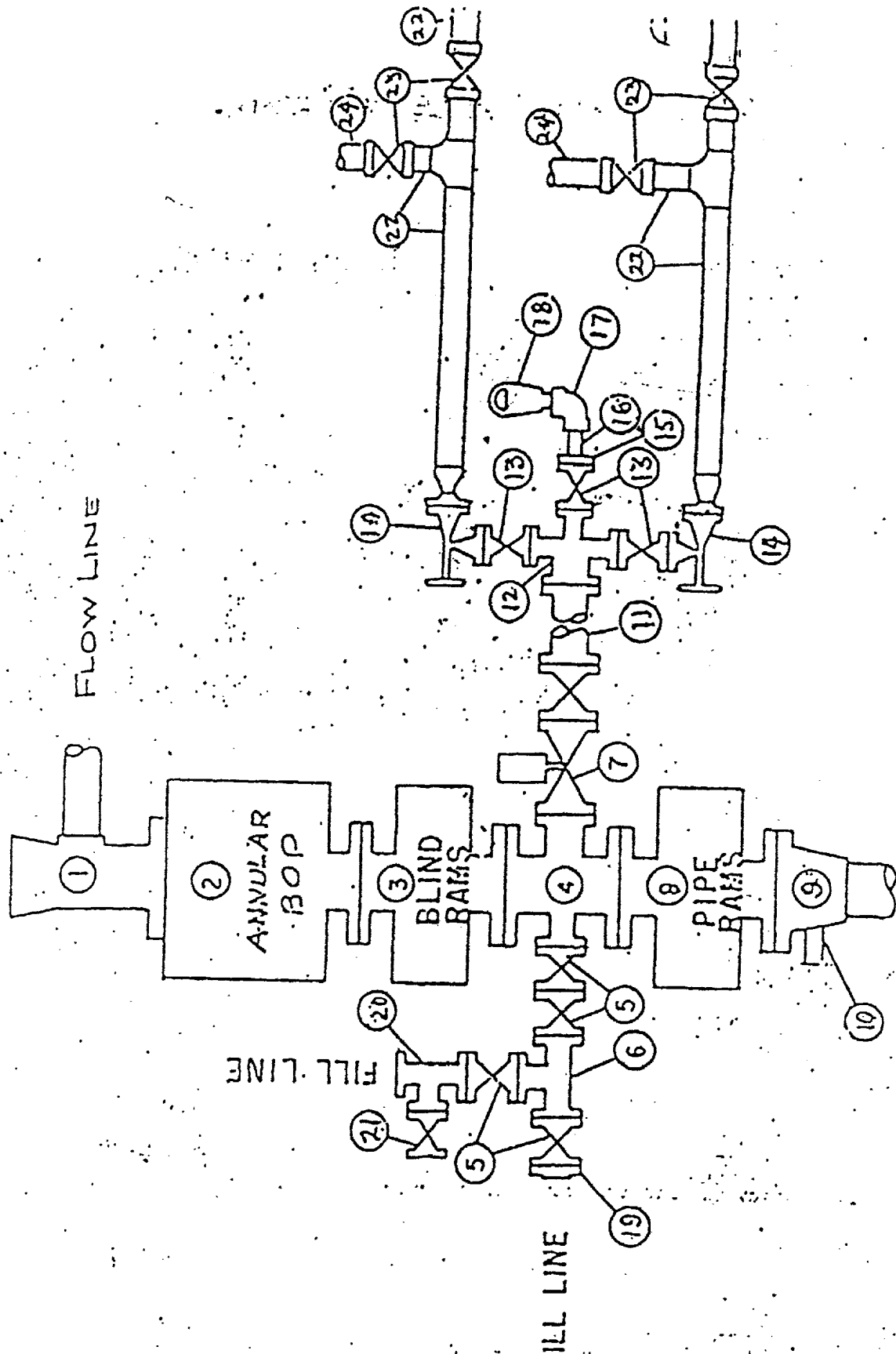
CNLD & Dual Lateral with Gamma Ray

C. Coring Program:

None Planned

IX. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, however, the proposed mud program will be modified to increase the mud-weight.

X. H2S: None anticipated as none encountered in previously drilled wells in the vicinity.



DISTRICT III
1000 Rio Brancos Rd., Artec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

☐ AMENDED REPORT

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| | | | | | | | | | |

| | | | |
|-----------------|-----------------|--------------------|-----------|
| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | |
|--|--|
| | OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>James L. Schultz</i> Signature James L. Schultz Printed Name Agent for Gothic Prod. Cor Title 12-8-98 Date |
| | 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 belief. DECEMBER 1, 1998 Date Surveyed Signature <i>Ronald S. Edson</i> Professional Surveyor NEW MEXICO 3239 98-1-1508 12-02-98 Certificate No. RONALD S. EDSON 3239 CHAVES COUNTY, NEW MEXICO 12841 12185 |