

Submit 3-Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-045-30572

5. Indicate Type of Lease

STATE FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Elliott Gas Com H

8. Well No.

1M

9. Pool name or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG FOR A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Amoco Production Company

Attn: Mary Corley

3. Address of Operator

P.O. Box 3092 Houston, TX 77253

4. Well Location

Unit Letter H 2200 feet from the South line and 980 feet from the East line

Section 26 Township 30N Range 09W NMPM San Juan County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

5872'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☒

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: Amend Bottom Hole Location ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

On February 22, 2001, Amoco Production Company filed an application for permit to drill the subject well. Approval was granted on February 26, 2001. Application was amended on June 11, 2001 to amend our drilling and casing program. Approval was granted on June 21, 2001.

Amoco Production Company request to amend our bottom hole location from 2200' FSL & 800' FEL to 1980' FSL & 800' FEL as reflected on the attached Form C-102. Also attached are copies of our amended Drilling and Cementing Program.

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

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 11/07/2001

Type or print name Mary Corley Telephone No. 281-366-4491

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. IV

Conditions of approval, if any:

DATE DEC 13 2001

District II

311 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

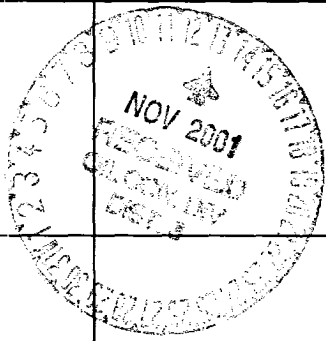
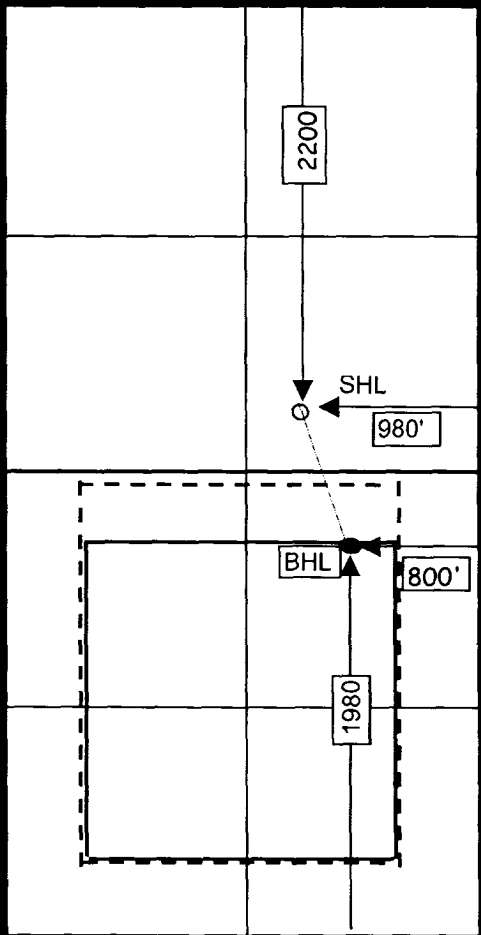
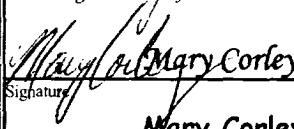
2040 South Pacheco, Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | | | | | |
|--|----------------------|---|---------------------|--|---------------------------|-----------------------------|--------------------------|--|---------------------------|
| ¹ API Number 30-045-30572 | | ² Pool Code 71599 & 72319 | | ³ Pool Name Basin Dakota & Blanco Mesaverde | | | | | |
| ⁴ Property Code 000448 | | ⁵ Property Name Elliott Gas Com H | | | | | | ⁶ Well Number 1M | |
| ⁷ OGRID No. 000778 | | ⁸ Operator Name Amoco Production Company | | | | | | ⁹ Elevation 5872' | |
| ¹⁰ Surface Location | | | | | | | | | |
| UL or lot no. Unit H | Section 26 | Township 30N | Range 09W | Lot Idn | Feet from 2200' | North/South North | Feet from 980' | East/West East | County San Juan |
| ¹¹ Bottom Hole Location If Different From Surface | | | | | | | | | |
| UL or lot no. Unit I | Section 26 | Township 30N | Range 09W | Lot Idn | Feet from 1980' | North/South South | Feet 800' | East/West East | County San Juan |
| ¹² Dedicated Acres 315.32 | | ¹³ Joint or Infill | | ¹⁴ Consolidation Code | | | ¹⁵ 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

| | | | |
|---|--|--|--|
|  Mesaverde --- Dakota --- |  | | ¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Mary Corley Printed Name Sr. Regulatory Analyst Title 11/07/2001 Date |
| | | | ¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 1/5/2001 Date of Survey Signature and Seal of Professional Surveyor: Gary D Vann 7016 Certificate Number |

**VAMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Elliott Gas Com H
Lease: ELLIOTT GAS COM H
County: San Juan
State: New Mexico
Date: November 5, 2001

Well No: 1M
Surface Location: 26-30N-9W, 2200 FNL, 980 FEL
Bottom Hole Loc.: 26-30N-9W, 1980 FSL, 800 FEL
Field: Blanco Mesaverde/Basin Dakota

OBJECTIVE: Drill 400' below the base of the Greenhorn Limestone, set 4" Liner across Dakota, Stimulate LS, CH, MF, PL and DK intervals

| METHOD OF DRILLING | | APPROXIMATE DEPTHS OF GEOLOGICAL MARKER | | | |
|--|-------------------|---|-----------------|--------------------|-------------|
| TYPE OF TOOLS | DEPTH OF DRILLING | Estimated GL: 5872 | | Estimated KB: 5886 | |
| Rotary | 0 - TD | MARKER | | TVD | MEAS. DEPTH |
| LOG PROGRAM | | Ojo Alamo | | 4547 | 1395 |
| | | Fruitland Coal | * | 3847 | 2151 |
| | | Pictured Cliffs | * | 3314 | 2726 |
| | | Lewis Shale | # | 3234 | 2813 |
| | | Cliff House | # | 1587 | 4473 |
| | | Menefee Shale | # | 1514 | 4545 |
| | | Point Lookout | # | 1111 | 4949 |
| | | Mancos | | 952 | 5107 |
| | | Greenhorn | | -932 | 6991 |
| | | Bentonite Marker | | -988 | 7047 |
| CBL | | Two Wells | # | -1035 | 7094 |
| | | Dakota MB | # | -1180 | 7239 |
| | | Burro Canyon | * | -1347 | 7406 |
| | | Morrison | * | -1397 | |
| | | TOTAL DEPTH | | -1438 | 7447 |
| REMARKS: - Please report any flares (magnitude & duration). | | # Probable completion interval | | | |
| | | * Possible Pay | | | |
| SPECIAL TESTS | | DRILL CUTTING SAMPLES | | DRILLING TIME | |
| TYPE | | FREQUENCY | DEPTH | FREQUENCY | DEPTH |
| None | | 10 feet | Production hole | Geolograph | 0-TD |
| REMARKS: | | | | | |

MUD PROGRAM:

| Approx. Interval | Type Mud | Weight, #/gal | Vis, sec/qt | W/L cc's/30 min | Other Specification |
|------------------|--------------|---|-------------|-----------------|---------------------|
| 0 - 200 | Spud | 8.6-9.2 | | <6 | |
| 200 - 2913 (1) | Water/LSND | 8.6-9.2 | | | |
| 2913 - 7447 | Gas/Air/Mist | Volume sufficient to maintain a stable and clean wellbore | | | |

REMARKS:

(1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

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

| Casing String | Estimated Depth | Casing Size | Grade | Weight | Hole Size | Landing Pt, Cmt, Etc. |
|--------------------|-----------------|-------------|-------------|--------|-----------|-----------------------|
| Surface/Conductor | 200 | 9 5/8" | H-40 ST&C | 32# | 12.25" | 1 |
| Intermediate 1 | 2913 | 7" | J/K-55 ST&C | 20# | 8.75" | 1,2 |
| Production (liner) | 7447 | 4 1/2" | J-55 | 11.6# | 6.25" | 3 |

REMARKS:

- (1) Circulate Cement to Surface
- (2) Set casing 100' into Lewis Shale
- (3) Bring Cement 100' above 7" shoe

CORING PROGRAM:

None

COMPLETION PROGRAM:

Rigless, 4-6 Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:

Notify BLM/NMOCDD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

Form 46 Reviewed by:

Logging program reviewed by:

N/A

PREPARED BY:

APPROVED:

DATE:

November 5, 2001

Version 3.0

KAS/MNP

Form 46 12-00 MNP

Amoco Production Company BOP Pressure Testing Requirements

Well Name: Elliott Gas Com H
County: San Juan

1M
State: New Mexico

| Formation | TVD | Anticipated Bottom Hole Pressure | Maximum Anticipated Surface Pressure ** |
|----------------|------|-------------------------------------|--|
| Ojo Alamo | 1339 | | |
| Fruitland Coal | 2040 | | |
| PC | 2572 | | |
| Lewis Shale | 2652 | | |
| Cliff House | 4300 | 500 | 0 |
| Menefee Shale | 4372 | | |
| Point Lookout | 4776 | 600 | 0 |
| Mancos | 4934 | | |
| Dakota | 6921 | 2600 | 1514 |

** Note: Determined using the following formula: $ABHP - (.22 \times TVD) = ASP$

Requested BOP Pressure Test Exception: 3000 psi

| | | | |
|------------|-----------------------------|----------------|---------------------------------|
| Well Name: | Elliot Gas Com H1M | Field: | Blanco Mesaverde / Basin Dakota |
| Location: | 26-30N-9W, 2200 FSL,980 FEL | API No. | |
| County: | San Juan | Well Flac | |
| State: | New Mexico | Formation: | Dakota MesaVerde |
| | | KB Elev (est) | 5886 |
| | | GL Elev. (est) | 5872 |

| Casing Program: | | | | | | | |
|-----------------|---------------------|--------------------|----------------------|--------|--------------|----------------------------|------------------------|
| Casing String | Est. Depth (ft.) | Hole Size (in.) | Casing Size (in.) | Thread | TOC (ft.) | Stage Tool Or TOL (ft.) | Cmt Cir. Out (bbl.) |
| Surface | 200 | 12.25 | 9.625 | ST&C | Surface | NA | |
| Intermediate | 2913 | 8.75 | 7 | LT&C | Surface | NA | |
| Production - | 7447 | 6.25 | 4.5 | ? | 2813 | NA | |

| Casing Properties: | | (No Safety Factor Included) | | | | | | |
|--------------------|-------|-----------------------------|-----------|--------|----------|-------------|-----------|-------|
| Casing String | Size | Weight | Grade | Burst | Collapse | Joint St. | Capacity | Drift |
| | (in.) | (lb/ft) | | (psi.) | (psi.) | (1000 lbs.) | (bbl/ft.) | (in.) |
| Surface | | 9.625 | 32 H-40 | 3370 | 1400 | 254 | 0.0787 | 8.845 |
| Intermediate | | 7 | 20 K-55 | 3740 | 2270 | 234 | 0.0405 | 6.456 |
| Production - | | 4.5 | 11.6 J-55 | 5350 | 4960 | 154 | 0.0155 | 3.875 |

| Mud Program | | | |
|------------------------|--------------|------------|--|
| Apx. Interval (ft.) | Mud Type | Mud Weight | Recommended Mud Properties Prio Cementing: |
| | | | PV <20 |
| | | | YP <10 |
| | | | Fluid Los: <15 |
| 0 - SCP | Water/Spud | 8.6-9.2 | |
| SCP - ICP | Water/LSND | 8.6-9.2 | |
| ICP - ICP2 | Gas/Air Mist | NA | |
| ICP2 - TD | LSND | 8.6 - 9.2 | |

| Cementing Program: | | | |
|--|---------|--------------------|--------------------|
| | Surface | Intermediate | Production |
| Excess %, Bit | 100 | 80 | 40 |
| Excess %, Caliper | NA | NA | 25 |
| BHST (est deg. F) | 60 | 120 | 160 |
| Pipe Movement | NA | Rotate/Reciprocate | Rotate/Reciprocate |
| Rate, Max (opm) | 7 | 8 | 7 |
| Rate Recommended (bpm) | 6 | 6 | 6 |
| Pressure, Max (psi) | 200 | 2000 | 2000 |
| Shoe Joint | 40 | 80 | 40 |
| Batch Mix | NA | NA | NA |
| Circulating prior cmtng (hr) | 0.5 | 1.5 | 2 |
| Time Between Stages. (hr) | NA | NA | NA |
| Special Instructions | 1,6,7 | 1,6,8 | 2,4,6 |
| 1. Do not wash pumps and lines. 2. Wash pumps and lines. 3. Reverse out 4. Run Blend Test on Cement 5. Record Rate, Pressure, and Density on 3.5" disk 6. Confirm densitometer with pressurized mud scales 7. 1" cement to surface if cement is not circulated. 8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug. | | | |

| Notes: | |
|---|--|
| *Do not wash up on top of plug. Wash lines before displacing production cement job to minmize drillout. | |

| Surface: | | | |
|--------------------|--|-------------------|-------------------|
| Preflush | 20 bbl. | FreshWater | |
| Slurry 1 | 108 sx Class G Cement | | 125 cuft |
| TOC@Surface | + 2% CaCl2 (accelerator) | | |
| | 0.25 #/sk Cellophane Flake (lost circulation additive) | | 0.3132 cuft/ft OH |
| | 0.1% D46 antifoam | | 100 % excess |
| Slurry Properties: | Density (lb/gal) | Yield (ft3/sk) | Water (gal/sk) |
| Slurry 1 | 15.8 | 1.16 | 4.95 |

Cementing Program

Casing Equipment:

- 9-5/8", 8R, ST&C
- 1 Guide Shoe
- 1 Top Wooden Plug
- 1 Autofill insert float valve
- 5 Centralizers
- 1 Stop Ring
- 1 Thread Lock Compound

Intermeciate:

| | | | |
|---------------------------------|--------|--|--|
| Fresh Water | 20 bbl | fresh water | |
| Lead Slurry 1 TOC@Surface | | 218 sx Class "G" Cement + 3% D79 extender + 2% S1 Calcium Chloride + 1/4 #/sk. Cellophane Flake + 0.1% D46 antifoam' | 634 cuft |
| Tail Slurry 2 | | 107 sx 50/50 Class "G"/Poz + 2% gel (extender) 0.1% D46 antifoam + 1/4 #/sk. Cellophane Flake + 2% CaCl2 (accelerator) | 135 cuft |
| 500 ft fill | | | 0.1503 cuft/ft OH 0.1746 cuft/ft csg ann 80 % excess |

| | | | |
|--------------------|---------------------|-------------------|-------------------|
| Slurry Properties: | Density (lb/gal) | Yield (ft3/sk) | Water (gal/sk) |
| Slurry 1 | 11.4 | 2.9 | 17.77 |
| Slurry 2 | 13.5 | 1.27 | 5.72 |

Casing Equipment: 7", 8R, ST&C

- 1 Float Shoe (autofill with minimal LCM in mud)
- 1 Float Collar (autofill with minimal LCM in mud)
- 1 Stop Ring
- 13 Centralizers (one in middle of first joint, then every third collar)
- 2 Fluidmaster vane centralizers @ base of Ojo
- 9 Centalizers one every 4th joint from Ojo to base of surface casing
- 1 Top Rubber Plug
- 1 Thread Lock Compound

Production:

| | | | |
|---------------------------------|---------------------|---|---|
| Fresh Water | 10 bbl | CW100 | |
| Lead Slurry 1 TOC@Surface | | 154 LiteCrete D961 / D124 / D154 + 0.03 gps D47 antifoam + 0.5% D112 fluid loss + 0.11% D65 TIC | 387 cuft |
| Tail Slurry 2 | | 184 sx 50/50 Class "G"/Poz + 5% D20 gel (extender) + 0.1% D46 antifoam + 1/4 #/sk. Cellophane Flake + 0.25% D167 Fluid Loss | 264 cuft |
| 1840 ft fill | | | + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder |
| | | | 0.1026 cuft/ft OH 40 % excess |
| Slurry Properties: | Density (lb/gal) | Yield (ft3/sk) | Water (gal/sk) |
| Slurry 1 | 9.5 | 2.52 | 6.38 |
| | | | 0.1169 cuft/ft csg ann |

Cementing Program

| | | | | |
|-------------------|---|------|-----|-----------------------|
| Slurry 2 | 13 | 1.44 | 6.5 | Top of Mancos 5107 |
| Casing Equipment: | 4-1/2", 8R, ST&C | | | |
| | 1 Float Shoe (autofill with minimal LCM in mud) | | | |
| | 1 Float Collar (autofill with minimal LCM in mud) | | | |
| | 1 Stop Ring | | | |
| | 39 Centralizers (every third joint) | | | |
| | 1 Top Rubber Plug | | | |
| | 1 Thread Lock Compound | | | |