

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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

| | | |
|--|--|--|
| ¹ Operator Name and Address BP America Production Company P. O. Box 3092 Houston, Texas 77253 | | ² OGRID Number 000778 |
| ³ Property Code 001178 | | ⁴ API Number 30-045-31203 |
| ⁵ Property Name Ulibarri Gas Com | | ⁶ Well No. 3M |

| 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 |
| P | 35 | 30N | 09W | | 1260' | South | 1210' | East | San Juan |

| 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 |
| I | 35 | 30N | 09W | | 1940' | South | 660' | East | San Juan |
| ⁹ Proposed Pool 1 Basin Dakota | | | | | ¹⁰ Proposed Pool 2 Blanco Mesaverde | | | | |

| | | | | |
|--|--|--|---|--|
| ¹¹ Work Type Code N - New Drill | ¹² Well Type Code Gas | ¹³ Casing/Rotary Rotary/Top Drive | ¹⁴ Lease Type Code Fee | ¹⁵ Ground Level Elevation 5621' |
| ¹⁶ Multiple Downhole Commingle | ¹⁷ Proposed Depth 7014' | ¹⁸ Formation Dakota/Mesaverde | ¹⁹ Contractor Aztec | ²⁰ Spud Date 11/15/2002 |

| ²¹ Proposed Casing and Cement Program | | | | | |
|--|-----------------------|--------------------|---------------|---------------------------------|----------------|
| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
| 12 1/2" | 9 5/8" | 32.3# | 120' | 70 SXS CLS G | Surface |
| 8 3/4" | 7 | 20# | 2614' | 270 SXS G & 50/50 | Surface |
| 6 1/4" | 4 1/2" (LINER) | 11.6# | 7014' | 320 SXS Lite & 50/50 | 2514' |
| | | | | | |
| | | | | | |

²² 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.

OBJECTIVE: To directionally drill the subject well to a total depth of approximately 7014', complete in the Basin Dakota Pool, produce the well for approximately 30 days to establish production rate, then add the Blanco Mesaverde Pool and commingle production downhole.

Please see attachments for additional information.

HOLD C104 FOR *Directional Survey*

| | | | |
|---|--|---|--|
| ²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Mary Corley</i> | | OIL CONSERVATION DIVISION | |
| Printed name: Mary Corley | | Approved by: <i>[Signature]</i> | |
| Title: Sr. Regulatory Analyst | | Title: DEPUTY SR. & GAS INSPECTION MGR. | |
| Date: 09/17/2002 | | Approval Date: SEP 18 2002 Expiration Date: SEP 18 2003 | |
| Phone: 281-366-4491 | | Conditions of Approval: Attached | |

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | | |
|---|--|---|--|---|----------------------------------|--|
| ¹ API Number 30-045-31203 | | ² Pool Code 71599 72319 | | ³ Pool Name BASIN DAKOTA & BLANCO MESAVERDE | | |
| ⁴ Property Code 001178 | | ⁵ Property Name Ullibarri Gas Com | | | ⁶ Well Number # 3M | |
| ⁷ OGRID No. 000 178 | | ⁸ Operator Name BP AMERICA PRODUCTION COMPANY | | | ⁹ Elevation 5621 | |

¹⁰ Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|--------------------|
| UL or Lot No. P | Section 35 | Township 30 N | Range 9 W | Lot Idn | Feet from the 1260 | North/South line SOUTH | Feet from the 1210 | East/West line EAST | County SAN JUAN |
|--------------------|---------------|------------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|--------------------|

¹¹ Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------------------------|---------------|------------------|--------------|---------|-----------------------|---------------------------|----------------------|------------------------|--------------------|
| ⁷ UL or lot no. I | Section 35 | Township 30 N | Range 9 W | Lot Idn | Feet from the 1940 | North/South line SOUTH | Feet from the 660 | East/West line EAST | County SAN JUAN |
|---------------------------------|---------------|------------------|--------------|---------|-----------------------|---------------------------|----------------------|------------------------|--------------------|

| | | | |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 320 | 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

| | |
|--|---|
| | <p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>Mary Corley</i></p> <p>Printed Name: MARY CORLEY</p> <p>Title: SR REGULATORY ANALYST</p> <p>Date: 9-12-02</p> |
| | <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: July 30, 2002</p> <p>Signature and Seal of Professional Surveyor: <i>GARY D. VANN</i></p> <p>7016</p> <p>Certificate Number</p> |

(R) - BLM Record

BP America Production Company

BOP Pressure Testing Requirements

Well Name: Ullibari GC
County: San Juan

3M
State: New Mexico

| Formation | TVD | Anticipated Bottom Hole Pressure | Maximum Anticipated Surface Pressure ** |
|----------------|------|-------------------------------------|--|
| Ojo Alamo | 1093 | | |
| Kirtland | 1283 | | |
| Fruitland Coal | 1957 | | |
| PC | 2298 | | |
| Lewis Shale | 2514 | | |
| Cliff House | 3809 | 500 | 0 |
| Menefee Shale | 4107 | | |
| Point Lookout | 4514 | 600 | 0 |
| Mancos | 4905 | | |
| Dakota | 6799 | 2600 | 1391 |

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

Requested BOP Pressure Test Exception: 1500 psi

**BP AMERICA PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Ullibari GC
Lease: Ullibari GC
County: San Juan
State: New Mexico
Date: 17 September 2002

Well No: 3M
Surface Location: 35-30N-09W, 1260 FSL, 1210 FEL
Field: Blanco Mesaverde/Basin Dakota
Bottom Location: 35-30N-09W, 1940FSL, 660FEL

OBJECTIVE: Drill 50' below the base of the Lower Cubero, set 41/2" production casing, Stimulate CH, MF, PL and DK intervals

| METHOD OF DRILLING | | APPROXIMATE DEPTHS OF GEOLOGICAL MARKER | | | |
|--|----------------------------|---|-----------------|----------------------|-------|
| TYPE OF TOOLS | DEPTH OF DRILLING | Estimated GL: 5621 | | Estimated KB: 5635 | |
| Rotary | 0 - TD | | | | |
| LOG PROGRAM | | MARKER | TVD | MEAS. DEPTH | |
| TYPE | DEPTH INVERAL | Ojo Alamo | 1093 | 1123 | |
| <u>OPEN HOLE</u> | | Kirtland | 1283 | 1326 | |
| GR-Induction | TD to 7" shoe | Fruitland | 1774 | 1851 | |
| Density/Neutron | TD to 7" shoe | Fruitland Coal | * | 2047 | |
| | | Pictured Cliffs | * | 2411 | |
| | | Lewis Shale | # | 2642 | |
| | | Cliff House | # | 3955 | |
| | | Menefee Shale | # | 4253 | |
| <u>CASED HOLE</u> | | Point Lookout | # | 4660 | |
| GR-CCL-TDT | TDT - TD to 7" shoe | Mancos | 4905 | 5051 | |
| CBL | Identify 4 1/2" cement top | Greenhorn | 6560 | 6706 | |
| | | Bentonite Marker | 6619 | 6765 | |
| | | Two Wells | # | 6798 | |
| | | Paguate | # | 6909 | |
| | | Upper Cubero | * | 6945 | |
| | | Lower Cubero | * | 6964 | |
| | | TOTAL DEPTH | 6868 | 7014 | |
| REMARKS: | | # Probable completion interval * Possible Pay | | | |
| - Please report any flares (magnitude & duration). | | | | | |
| SPECIAL TESTS | | DRILL CUTTING SAMPLES | | DRILLING TIME | |
| TYPE | | FREQUENCY | DEPTH | FREQUENCY | DEPTH |
| None | | none | Production hole | Geolograph | 0-TD |
| REMARKS: | | | | | |

| MUD PROGRAM: | | | | | | |
|------------------|-----------------|---|-------------|-----------------|---------------------|--|
| Approx. Interval | Type Mud | Weight, #/ga | Vis, sec/qt | W/L cc's/30 min | Other Specification | |
| 0 - 120 | Spud | 8.6-9.2 | | | | |
| 120 - 2614 (1) | Water/LSND | 8.6-9.2 | | <6 | | |
| 2614 - 7014 | Gas/Air/N2/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 | 120 | 9 5/8" | H-40 ST&C | 32# | 12.25" | 1 |
| Intermediate | 2614 | 7" | J/K-55 ST&C | 20# | 8.75" | 1,2 |
| Production | 7014 | 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/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

Form 46 Reviewed by: _____ Logging program reviewed by: N/A

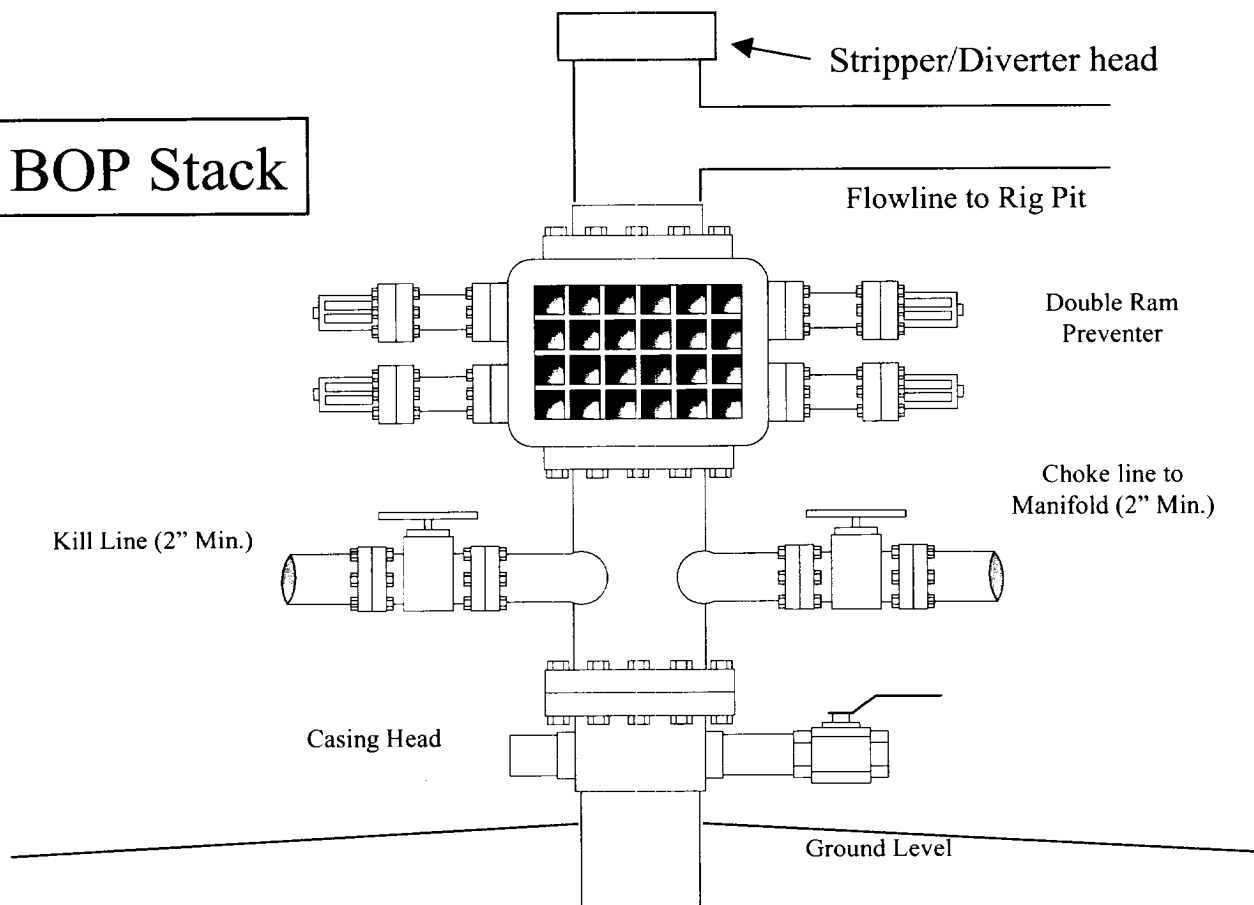
| | | |
|---------------------|------------------|------------------------------|
| PREPARED BY: | APPROVED: | DATE: |
| HGJ/MNP | | 17 th August 2002 |
| Form 46 12-00 MNP | | Version 1.0 |

BP American Production Company

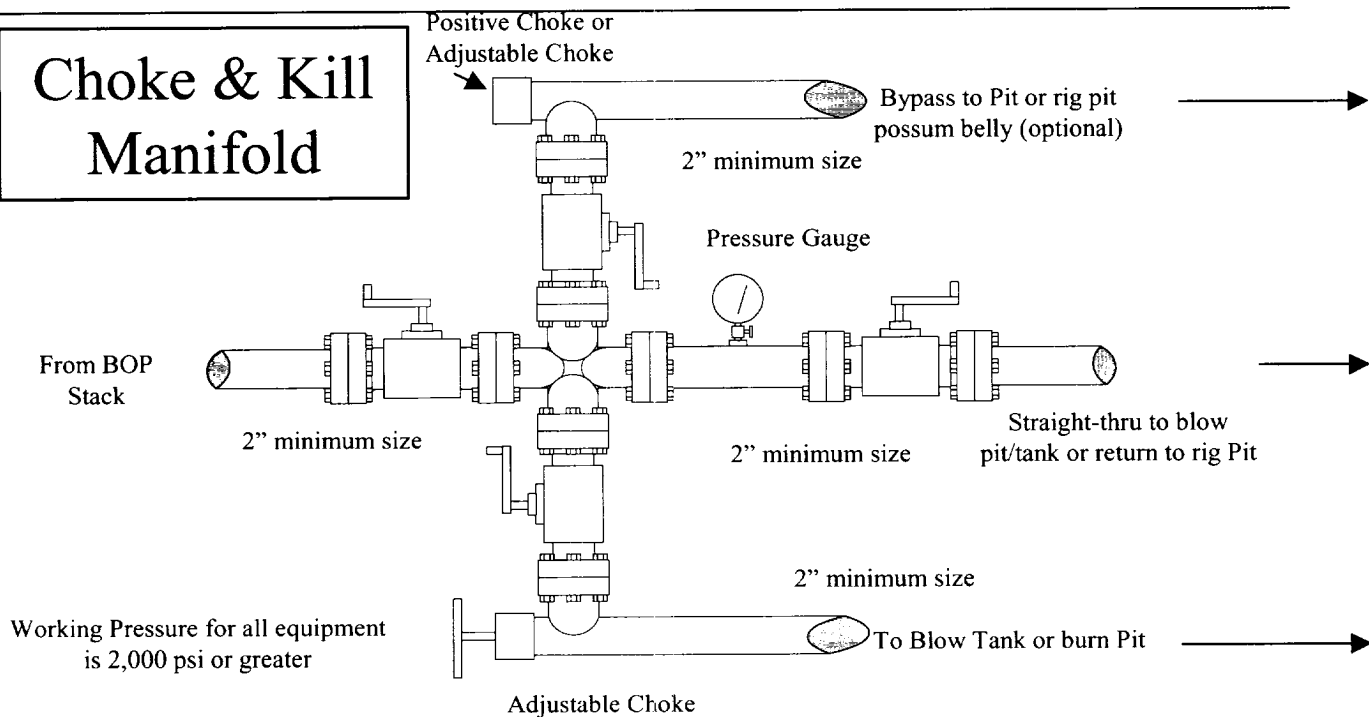
Well Control Equipment Schematic

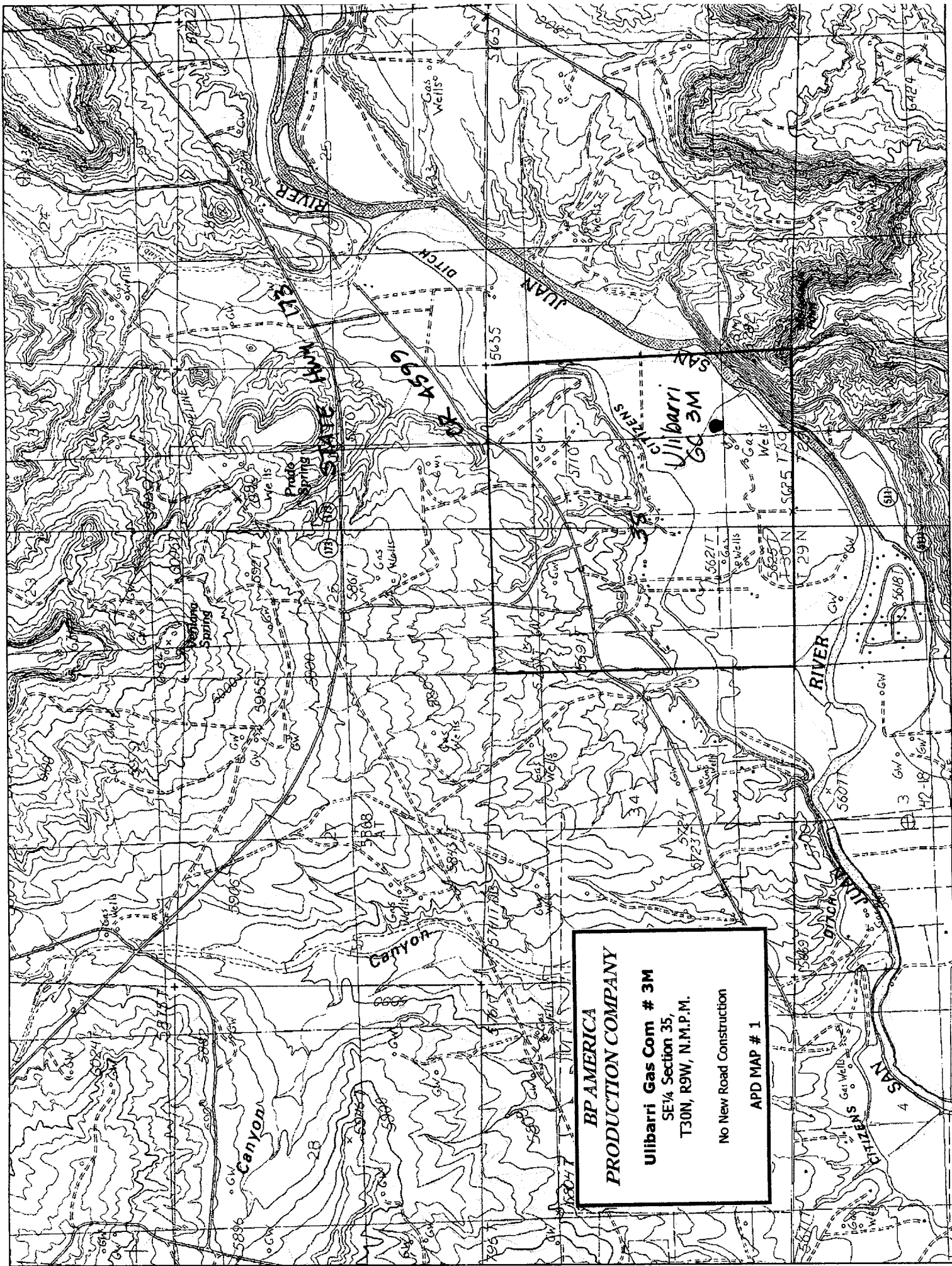


BOP Stack



Choke & Kill Manifold





**BP AMERICA
PRODUCTION COMPANY**

Uilbarri Gas Com # 3M
SE 1/4 Section 35,
T30N, R9W, N.M.P.M.

No New Road Construction

APD MAP # 1