

District I - (305) 393-6161
PO Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV

New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-140
Originated 11/1/95

Submit Original
Plus 2 Copies
to appropriate
District Office

APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

- I. Operator: Amoco Production Company OGRID #: 000778
Address: P.O. Box 800, Denver, Colorado 80201
Contact Party: Patricia J. Haefele Phone: (303) 830-4988
- II. Name of Well: Atlantic D Com D LS 5 API #: 3004509857
Location of Well: Unit Letter K, 1650 Feet from the South line and 1650 Feet from the West line, Section 2, Township 30N, Range 10W, NMPM, San Juan County.
- III. Date Workover Procedures Commenced: 4/19/96
Date Workover Procedures were Completed: 6/28/96
- IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.
- V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
- VI. Pool(s) on which Production Projection is based:

Blanco Mesaverde

VII. AFFIDAVIT:

State of Colorado)
) ss.
County of Denver)

Patricia J. Haefele, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

RECEIVED
OCT - 9 1996
OIL CON. DIV.
DIST. 3

Patricia J. Haefele
(Name)
Staff Assistant
(Title)

SUBSCRIBED AND SWORN TO before me this 2nd day of October, 1996.

PATRICIA J. ARCHULETA
NOTARY PUBLIC
STATE OF COLORADO

Patricia J. Archuleta
Notary Public

My Commission expires: August 12, 1999

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 6/28, 1996.

35.8
District Supervisor, District 3
Oil Conservation Division

Date: 10/1/96

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _____

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

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

| |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO. 3004509857 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEB <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. B-10400 |
| 7. Lease Name or Unit Agreement Name Atlantic D Com D LS |
| 8. Well No. 5 |
| 9. Pool name or Wildcat Blanco Mesaverde |

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) | |
| 1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER | |
| 2. Name of Operator Amoco Production Company | |
| Attention: Patty Haeefe | |
| 3. Address of Operator P.O. Box 800 Denver Colorado 80201 (303) 830-4988 | |
| 4. Well Location Unit Letter K : 1650 Feet From The South Line and 1650 Feet From The West Line Section 2 Township 30N Range 10W NMPM San Juan County | |
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6420' GR | |

| | |
|-------------------------------------------------------------------------------|------------------------------------------------------|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | |
| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> |
| PLUG AND ABANDON <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> |
| CHANGE PLANS <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | CASING TEST AND CEMENT JOB <input type="checkbox"/> |
| OTHER: <input type="checkbox"/> | OTHER: Sidetrack <input checked="" type="checkbox"/> |

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.

See attachments. BHL: 1214' FSL 1261' FWL Sec. 2 30N 10W, Unit M

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

SIGNATURE Patty Haeefe TITLE Staff Assistant DATE 06-30-1996
TYPE OR PRINT NAME Patty Haeefe TELEPHONE NO. (303) 830-4988

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Amoco Production Company has sidetracked this well per the following:

MIRUSU 4/19/96. Set CIBP at 4600'. Pressure test to 140 psi, failed. Spot a cement plug on top of CIBP from 4600-4450' with 28 sx Class B neat cement, 15.6 ppg. Set packer at 1620', pump 271 sx Class B neat cement down tubing out leak at 1890', displace to 1800'. Drill out cement from 1803-1920'. Pressure test squeeze to 500 psi, held ok. Run CBL from 4000' to surface. RDMOSU 4/25/96.

MIRURT 5/8/96. Set CIBP at 3863' in 7" casing. Orient whipstock at 205 degrees, set at 3850'. Drill and survey from 3881-5858. Ran 4.5", K-55, LTC casing to 5823'. Cemented with 300 sx 50/50 pozmix, displace with 8.5 bbls of 2% clay-free water. Temp survey indicated top of cement at 2550'. Rig released on 5/15/96.

MIRUSU 6/20/96. Run GR log from 4250-5758'. Pressure test casing to 4800 psi, held ok. Perforated at: 5367', 5368', 5392', 5393', 5409', 5417', 5433', 5439', 5444', 5445', 5459', 5466', 5467', 5474', 5475', 5481', 5492', 5502', 5520', 5537', 5561', 5581', 5655', 5703' with 1 JSPF, 24 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Acid 5367-5703' with 12 bbls FE HCL, 6 bpm, 3000 psi. Frac well from 5367-5703' with 48,170 lbs 16/30 sand; 597,826 scf, 70% quality, 3164 psi, 50 bpm. Flowing well. Set CIBP at 5345'. Pressure test casing to 2500 psi, held ok.

Perforated at: 5025', 5026', 5054', 5061', 5068', 5069', 5076', 5085', 5101', 5122', 5139', 5157', 5158', 5234', 5241', 5242', 5280', 5287', 5288', 5300', 5307', 5317', 5318', 5330' with 1 JSPF, 24 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Acidize 5025'-5330' with 12 bbls FE HCL. Frac well from 5025-5330' with 50,348' 16/30 lbs sand; 700,274 scf, 70% quality, avg pressure 3100 psi, avg rate 16.9 bpm. Flowing well. Set RBP at 5000'. Pressure test casing to 2000 psi, failed. Set RBP at 4985'. Pressure test casing to 2000 psi, held ok.

Perforated at: 4641', 4654', 4684', 4698', 4732', 4755', 4767', 4774', 4780', 4798', 4805', 4818', 4839', 4864', 4876', 4884', 4892', 4900', 4908', 4916', 4925', 4933', 4941', 4949', 4957' with 1 JSPF, 25 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Acidize 4641-4957' with 12 bbls FE HCL. Frac well from 4641-4957' with 92,061 lbs 16/30 sand; 1,144,333 scf. Flowing well. Tagged sand and cleanout to RBP at 4984'. Retrieve BP set at 4985' and 2nd one set at 4994'. Tagged sand at 5277', cleanout to CIBP at 5345', drill up CIBP. Tagged up at 5570' and drill on CIBP junk, made no hole, pull BHA out of hole. Tagged sand at 5563' and cleanout to 5573', circulate clean. Landed tubing at 5540'. Swab well. Flowing well. RDMOSU 6/28/96.

BHL: 1214' FSL 1261' FWL

Atlantic D Com D LS 5

| WELLNAME | WELLNO | POOL | FLAC | API | LOCATION | MONTH | OIL | GAS |
|---------------------|--------|------------------|------|------------|------------------------------------|-------|-----|------|
| Atlantic D Com LS D | 5 | Blanco Mesaverde | | 3004509857 | K Sec. 2 30N 10W | 12/92 | 0 | 2 |
| | | | | | | 12/89 | 41 | 14 |
| | | | | | | 11/89 | 2 | 6 |
| | | | | | | 12/88 | 0 | 2508 |
| | | | | | | 09/88 | 0 | 683 |
| | | | | | | 06/88 | 0 | 2766 |
| | | | | | | 03/88 | 0 | 2117 |
| | | | | | | 12/87 | 0 | 2552 |
| | | | | | | 09/87 | 0 | 3414 |
| | | | | | | 06/87 | 0 | 2 |
| | | | | | | 03/87 | 0 | 8 |
| | | | | | | 12/86 | 0 | 2215 |
| | | | | | 12-month average - Projected Trend | | 4 | 1357 |

STRAIGHT LINE METHOD

