

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals.

RECEIVED
JUL 19 1995
070 FARMINGTON, NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Amoco Production Company

Attention:
Diane Banning

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1590 FSL 1090 FEL Sec. 33 T 28N R 8W

5. Lease Designation and Serial No.
NM-012202

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Bolack E #1E

9. API Well No.

10. Field and Pool, or Exploratory Area
Mesaverde/Basin Dakota

11. County or Parish, State
San Juan County New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other Surface Disturbance | <input type="checkbox"/> Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company requests approval for surface disturbance on existing lease for the purpose of laying pipeline from specified well to the El Paso Natural Gas Company system tie-in. See attached for location specifics. Survey diagram and Archaeological Report findings to follow.

Surface disturbance to include setting of meter house, measurement equipment and pipeline stub up.

RECEIVED
JUL - 5 1995
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed Diane Banning Title Well Tie Coordinator Date 04-20-1995

(This space for Federal or State office use)

APPROVED

Approved by _____ Title _____ Date 0 1995

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side
NMOCD

SURFACE DISTURBANCE REQUIREMENTS ATTACHMENT
Bolack E #1E
SE/4 Sec. 33, T28N, R8W

- 1) Type of Pipe to be used: 4 1/2" OD 156 ERW; X42
- 2) Size of Pipe: 4 1/2" OD; 4" ID
- 3) MAOP = 500#; Test Pressure == 1080#
- 4) Length of Line: 164 feet
- 5) Direction Line Will Run From Well and Where it Will End:

From the new well in an northwesterly direction approximately 164 feet to tie to the EPNG Gathering System.
- 6) The EPNG tie-in point is noted on the enclosed survey.
- 7) Method or Trenching: Backhoe
- 8) Trench Width and Depth: Width = 30"
Depth = 60"
- 9) The Trench will be backfilled immediately.
- 10) The disturbed area will be compacted, re contoured, maintained to control settling and erosion.
- 11) The surface area disturbed will be reseeded where applicable with a seed mix approved by the BLM. The reclamation will be completed by 6/1/96 if connected by 10/1/95.
- 12) Individual who can be contacted for any necessary field inspections is John Schwarz at (505) 326-9223.
- 13) Attached is a 7 1/2 minute quadrangle topo map showing the proposed area of disturbance.
- 14) An Archaeological Survey covering the existing wellpad is on file.

BLM

BLANCO

GATHERING SYSTEM

DWG. NO.

LINE AMOCO PRODUCTION CO. - BOLACK E No. 1E

WO NO.

957007

FROM 0+00 = 7+20.4 ON BLANCO LATERAL D-9

RW NO.

6/1/95

(9D731.0-3, R/W No. 3)

DATE

5/8/95

SCALE

1" = 1000'

SURVEYED

8-W, N.M.P.M.

COUNTY

SAN JUAN

STATE

NEW MEXICO

SECTION

33

TOWNSHIP

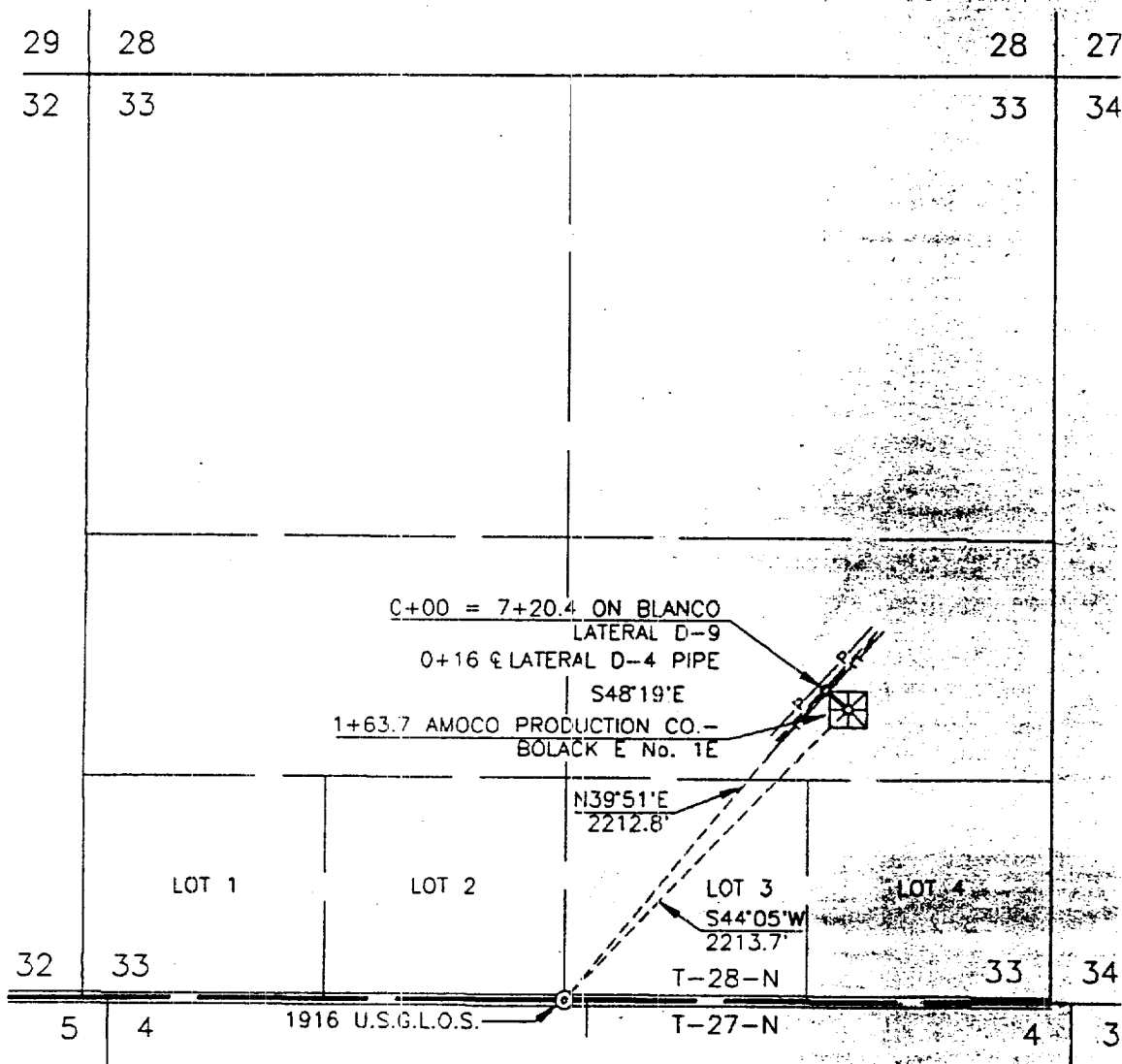
28-N

RANGE

8-W, N.M.P.M.



T-28-N, R-8-W, N.M.P.M.
BASIS OF BEARING: SOLAR OBSERVATIONS



DWN. BY RAF

CONSTR. COMMENCED

APPL. DWG.

SLACK CHAIN

CKD. BY

CONSTR. COMPLETED

DATE

PIPE SIZE

4 1/2" O.D.

PRINT RECORD

PIPE DATA

METER STA. NO.

MV/DK

NOTE: WELL FLAG

PRELIMINARY

SUBDIVISION

OWNER

LESSEE

RODS

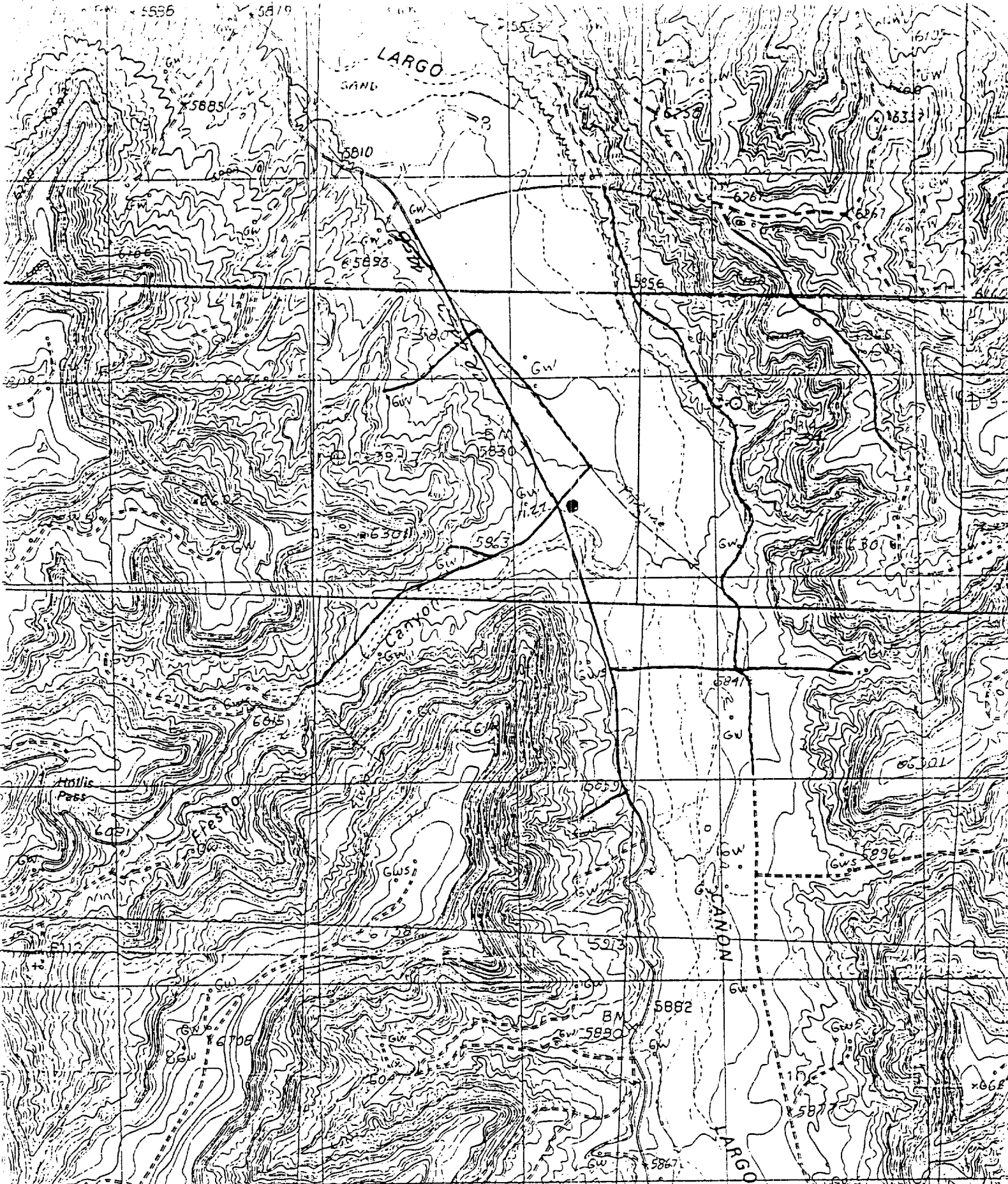
OWNERSHIP

REV.

FM24 (Rev. 6/94)

WL 4 JU 4

WL 4 364



AMOCO PRODUCTION COMPANY
BOLACK E # 1E
1590' F/SL 1090 F/EL
SECTION 33, T28N, R8W, N.M.P.M.

NEW ROAD

EXISTING ROAD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen a well to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.

| | |
|-----------------------------------------|-------------------------------|
| 5. Lease Designation and Serial No. | NM-012202 |
| 6. If Indian, Allottee or Tribe Name | |
| 7. If Unit or CA, Agreement Designation | |
| 8. Well Name and No. | Bolack E 1M |
| 9. API Well No. | 3004529251 |
| 10. Field and Pool, or Exploratory Area | Basin Dakota/Blanco Mesaverde |
| 11. County or Parish, State | San Juan New Mexico |

| | | |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | 2. Name of Operator Amoco Production Company | Attention: Patty Haeefe |
| 3. Address and Telephone No. P.O. Box 800, Denver, Colorado 80201 | (303) 830-4988 | |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1590' FSL 1090' FEL Sec. 33 T 28N R 8W Unit I | | |

| 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
|----------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------|
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other Spud & name change | <input type="checkbox"/> Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company has changed the name of the subject well from the Bolack E #1E to the Bolack E #1M.

MIRU spud rig. Spud a 12.25" conductor hole on 7/11/95 at 0800 hrs. Drilled to 90'. Set 9.625" conductor pipe at 89'. Cement pipe to surface with 60 sx Class B. Rig released 7/11/95.

MIRURT at 06:00 hrs on 7/17/95. Drill a 7.875" surface hole on 7/19/95 at 1330 hrs. Drilled to 2414'. Set 7" 23# K-55 surface casing at 2401'. Cemented with 240 sx Class B 50/50 poz, tail with 100 sx standard cement. Circulated 10 bbls to surface. Pressure tested casing to 1250 psi.

Drilled a 6.25" hole to a depth of 6662' on 7/24/95. Set 3.5" 9.3# N-80 production casing at 6662 ft. Cemented with 610 sx Class B 50/50 poz. Estimated TOC 1412'. Rig released at 18:00 hrs on 7/25/95.

Note: CBL will be run and submitted when well is completed.

| | | | |
|-------------------------------------------------------------|---------------------|-------|-----------------|
| 14. I hereby certify that the foregoing is true and correct | | | |
| Signed | <u>Patty Haeefe</u> | Title | Staff Assistant |
| (This space for Federal or State office use) | | Date | 07-26-1995 |
| Approved by | | Title | |
| Conditions of approval, if any: | | Date | |

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side

ACCEPTED FOR RECORD
JUL 31 1995
FARMINGTON DISTRICT OFFICE
3213

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------|--|
| 1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. NM-012202 | |
| b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 2. NAME OF OPERATOR Amoco Production Company | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201 | | 8. FARM OR LEASE NAME, WELL NO. Bolack E 1M | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1590' FSL 1090' FEL At top prod. interval reported below At total depth | | 9. API WELL NO. 30-045-29251 | |
| 14. PERMIT NO. | | DATE ISSUED | |
| 15. DATE SPUDDED 7/11/95 | | 16. DATE T.D. REACHED 7/24/95 | |
| 17. DATE COMPL. (Ready to prod.) 12/15/95 | | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5841' GR | |
| 20. TOTAL DEPTH, MD & TVD 6662 | | 21. PLUG, BACK T.D., MD & TVD 6649' | |
| 22. IF MULTIPLE COMPL., HOW MANY* 2 | | 23. INTERVALS DRILLED BY ROTARY TOOLS YES CABLE TOOLS NO | |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Mesaverde 3802-4550' | | 25. WAS DIRECTIONAL SURVEY MADE No | |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN IND CBL CCL Injection Profile | | 27. WAS WELL CORED No | |

| | | | | | |
|----------------------------------------------------|-----------------|-----------------|----------------------------------|----------------------------------|---------------|
| 28. CASING RECORD (Report all strings set in well) | | | | | |
| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
| 9.625" J-55 | 36# | 89' | 12.25" | 60 sx CI B, circ to surf | |
| 7.000" K-55 | 23# | 2401' | 7.875" | 240 sx CI B, tail w/ 100 sx CI B | |
| | | | | circ to surface | |
| 3.500" N-80 | 9.3# | 6662' | 6.25" | 610 sx Class B; TOC 1412' | |
| 29. LINER RECORD | | | | | |
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | |
| | | | | | |
| 30. TUBING RECORD | | | | | |
| SIZE | DEPTH SET (MD) | PACKER SET (MD) | | | |
| | none | | | | |
| 31. PERFORATION RECORD (Interval, size and number) | | | | | |
| See attachment | | | | | |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | | | | | |
| DEPTH INTERVAL (MD) | | | AMOUNT AND KIND OF MATERIAL USED | | |
| | | | See attachment | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | | | | |
|--------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|------------------------------------------|-------------------|-------------------|------------------------------------------------------------|--|
| 33. PRODUCTION | | | | | | | |
| DATE FIRST PRODUCTION 10/4/95 | | PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing | | | | WELL STATUS (Producing or shut-in) S/I-WAITING ON PIPLN | |
| DATE OF TEST 11/17/95 | HOURS TESTED 24 | CHOKE SIZE 32/64 | PROD'N FOR TEST PERIOD OIL - BBL 0 | GAS - MCF 2400 | WATER - BBL 0 | GAS-OIL RATIO | |
| FLOW TUBING PRESS | CASING PRESSURE 350 | CALCULATED 24-HOUR RATE | OIL - BBL 0 | GAS - MCF 2400 | WATER - BBL 0 | OIL GR. PER BBL (CORR.) | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold | | | | | TEST WITNESSED BY | | |
| 35. LIST OF ATTACHMENTS Perf & frac page | | | | | | | |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED Patty Haeefe TITLE Staff Assistant BY E. M. DATE 12/18/95

*(See Instructions and Spaces for Additional Data on Reverse Side)

THE BUREAU OF LAND MANAGEMENT, Section 1001, makes it a crime for any person knowingly and willfully to make a false statement or representation to the Bureau of Land Management or any agency of the United States any false.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | |
|-----------|-----|--------|-----------------------------|---------------|-------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| | | | | Cliffhouse | 3792' | |
| | | | | Menefee | 3818' | |
| | | | | Point Lookout | 4376' | |