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**Amoco Production Company**

501 WestLake Park Boulevard  
Post Office Box 3092  
Houston, Texas 77253-3092

November 1, 1994

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mike Stogner

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Application for Administrative Approval  
Unorthodox Gas Well Location  
Federal - BN - Well No. 1  
Undesignated Bone Spring  
Sec. 17, T-22-S, R-26-E  
Eddy County, New Mexico

Gentlemen:

Amoco Production Company hereby requests administrative approval of an unorthodox gas well location under the provision of Statewide Rule 104(F). Amoco plans to recomplete the subject well from the Happy Valley Morrow to the Undesignated Bone Spring.

There are no other operators offsetting this proration unit. Amoco holds the acreage surrounding this well. Attached find a copy of the Sundry Notice (MMS Form 3160-5) and Well Location and Acreage Dedication Plat (NMOCD) Form C-102).

If you have any questions regarding this application, please contact Henry Welch at (713) 366-3254 or me at (713) 366-7213.

Yours very truly,

Howard I. Black  
Staff Business Analyst

cc: Henry Welch, Room 18.120

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
P O Drawer DD  
Artesia, New Mexico 88210

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

5. Lease Designation and Serial No.

NM - 13406

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Federal - BN -

8. Well Name and No.

1

9. API Well No.

30-015-23498

10. Field and Pool, or Exploratory Area

Undesignated Bone Spring

11. County or Parish, State

Eddy, NM

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company (713) 366-7213

3. Address and Telephone No.

P.O. Box 3092 Houston, TX 77253 Rm. 18.110

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1592' FNL X 444' FEL, UNIT H

Sec. 17, T-22-S, R-26-E

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☒ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ 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.)\*

- MIRUSU and pull tubing and packer out of hole.  
Note: Well is currently not producing due to an obstruction in the tubing.
- Trip in hole with CIBP and set within 50' of top Morrow perf which is at 11,192'. Cap with 35' cement.
- Rig up perforators and perf the following Bone Spring intervals at 4 JSPF, 90 degree phasing using charges large enough to create ~0.5" diameter holes:

|             |     |
|-------------|-----|
| 5919 - 5927 | 8'  |
| 5938 - 5958 | 30' |
| 5972 - 6000 | 28' |
| 6008 - 6034 | 26' |
| Total       | 92' |

- Swab/Flow well and attempt to kick off flowing.
- Frac well depending on natural flow results. Design to be determined.
- Turn well to sales

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

Signed H. J. Black (H. J. BLACK) Title Staff Bus. Analyst

Date 10-24-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

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 Instruction on Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
 Supersedes C-128  
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

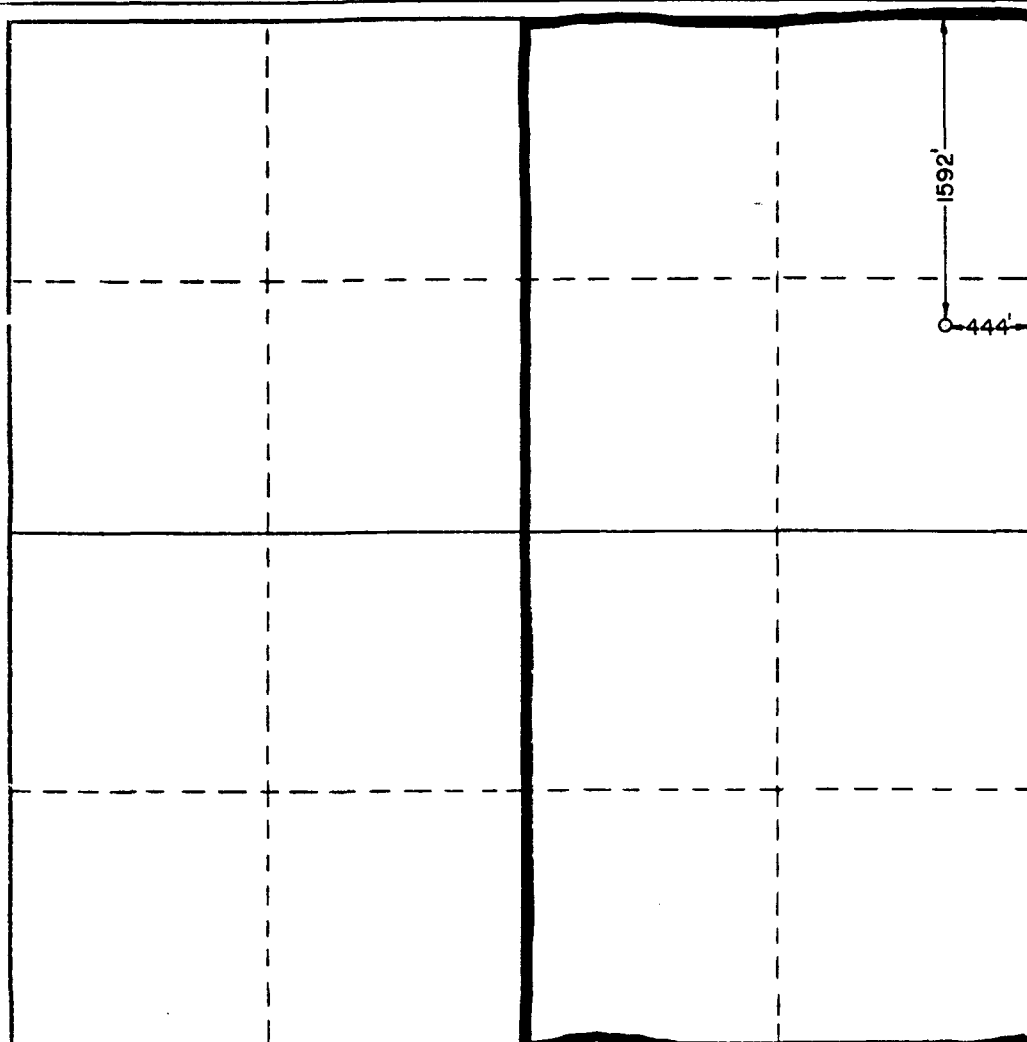
|                                                                                                                               |                                           |                                         |                            |                                  |                      |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|----------------------------|----------------------------------|----------------------|
| Operator<br><b>AMOCO Production Co.</b>                                                                                       |                                           |                                         | Lease<br><b>Federal BN</b> |                                  | Well No.<br><b>1</b> |
| Tract Letter<br><b>H</b>                                                                                                      | Section<br><b>17</b>                      | Township<br><b>22 South</b>             | Range<br><b>26 East</b>    | County<br><b>Lea</b>             |                      |
| Actual Footage Location of Well:<br><b>1592</b> feet from the <b>North</b> line and <b>444</b> feet from the <b>East</b> line |                                           |                                         |                            |                                  |                      |
| Ground Level Ele<br><b>3628.6</b>                                                                                             | Producing Formation<br><b>Bone Spring</b> | Pool<br><b>Undesignated Bone Spring</b> |                            | Dedicated Acreage:<br><b>320</b> | Acres                |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes    ☐ No    If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

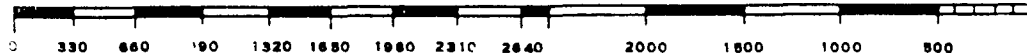
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *H. J. Bevan*  
 Position *Staff Business Analyst*  
 Company *Amoco Production*  
 Date *10-24-94*

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 knowledge and belief.

Date Surveyed *July 7, 1980*  
 Registered Professional Engineer and/or Land Surveyor

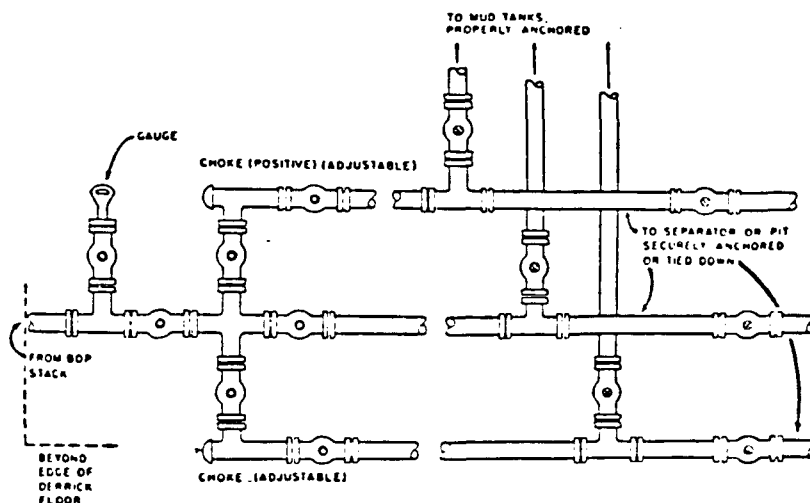
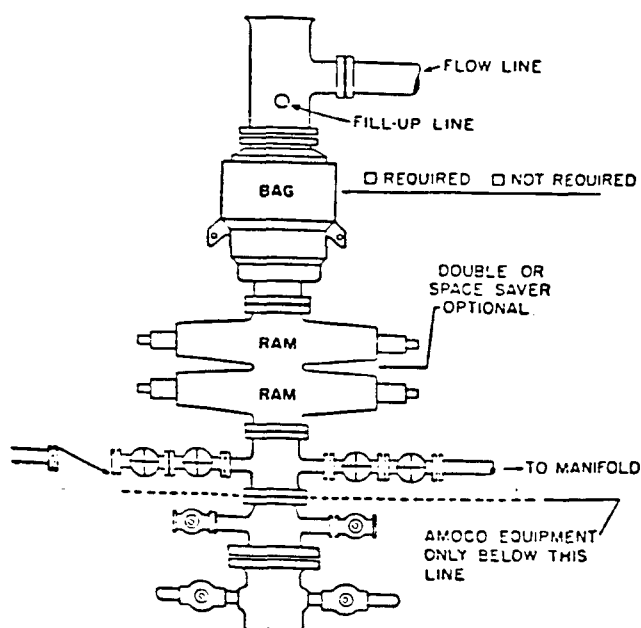
*John W. West*  
 Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6863**  
**Ronald J. Eidson 3239**



1. BOP's to be fluid operated. BOP's and all fittings must be in good condition and rated at 3000 psi w.p. minimum.
2. Equipment through which bit must pass shall be at least as large as casing size being drilled through.
3. Upper kelly cock is required and shall be 3000 psi w.p. minimum. Lower kelly cock is (required)(not required).
4. Hydril or comparable safety valve shall be available on rig floor with connection or subs to fit any tool joint in the string. Valve to be full bore 5000 psi w.p. minimum.
5. Hydril or equivalent drill pipe back pressure valve is (required)(not required).
6. All equipment upstream of chokes, including kill line equipment shall be flanged or clamped and of a test pressure no less than that of the blowout preventer. All valves upstream of choke shall be (3") (4") gate valves Cameron Type "F" or equivalent. All equipment downstream of chokes may be flanged or screw end gate or plug. Line from spool to manifold cross to be a minimum of 3", straight and short as possible with minimum bends. Other lines may be 2", 3" or 4". Choke manifold, beyond second valve from cross, must be positioned outside of substructure. Manifold, header and all lines must be adequately supported and properly anchored. Two inch (2") lines and valves are permitted on the kill line. All valves designated for H<sub>2</sub>S service are (required) (not required).
7. Blowout preventer closing unit equipment to include accumulator capable of closing, opening and closing the bag and pipe rams with a minimum remaining pressure of 1200 psi. After closure, the remaining fluid volume will be at least 50 percent of original volume. Two independent sources of pump power are required on each closing unit installation and shall meet all IADC specifications. Operating time for closing unit shall not be greater than one minute with charging pump shut down. Time test must be witnessed by Amoco representative while nipping up and test results reported on IADC report. Failure to meet these conditions will necessitate corrective action by contractor and retesting all at contractor's expense.
8. The accumulator must be located at least 50 feet from the well. Blowout preventer controls must be properly labeled and located as close to drillers position as feasible. Floor control valves are (required)(not required).
9. Fluid lines from accumulator to BOP's and all remote control fluid lines shall be steel, and rated at or above maximum accumulator pressure. Lines shall be routed in bundles and adequately protected from damage.
10. Use rams in following positions:
 

|           | <u>Drilling</u> | <u>Running Casing</u> |
|-----------|-----------------|-----------------------|
| Upper ram | Drill pipe      | Casing                |
| Lower Ram | Blind           | Blind                 |

\*Amoco District Superintendent may reverse location of rams.
11. Extensions and hand wheels to be installed and braced at all times.





# Amoco Production Company

ENGINEERING CHART

SHEET NO.

OF

FILE

APPN

DATE 02-11-81

BY UID

SUBJECT

FEDERAL "BN" WELL NO. 1

HAPPY VALLEY MORROW

UNIT H, 1980' FSL & 1980' FEL, SEC. 17, T-22-S, R-26-E  
EDDY COUNTY: NEW MEXICO

COMPLETED: 1-13-81

ELEV: 3628.6' GL

RDB: 3642.2'

13<sup>3</sup>/<sub>8</sub>" CSA 712'  
48" H-40 ST&C  
CMT W/ 2900 SXS. CIRC.  
17<sup>1</sup>/<sub>2</sub>" HOLE

9<sup>5</sup>/<sub>8</sub>" CSA 2917'  
36" K-55 ST&C  
CMT W/ 2200 SXS.  
TCMT: 1315' (TEMP SURV.)  
12<sup>1</sup>/<sub>4</sub>" HOLE

DV TOOL @ 8007'

2<sup>3</sup>/<sub>8</sub>" TBG. LANDED IN PKR @ 10985'  
ON/OFF TOOL ABOVE PKR.  
TAILPIPE SA 11,087' W/ 1.81" F-T.  
PROFILE NIPPLE ONE JOINT OFF  
BOTTOM

5<sup>1</sup>/<sub>2</sub>" CSA 11749'

CMT W/ 1315 SXS.  
TCMT: 2400'  
7<sup>3</sup>/<sub>4</sub>" HOLE

TD: 11752'

PBD: 11705

PERFS: 1192-98', 11232-48', 11354-78'  
11426-32', 11450-82', 11626-30', 11662-62'  
W/ 4 DRISPE



# Amoco Production Company

## ENGINEERING CHART

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

FILE \_\_\_\_\_

APPN \_\_\_\_\_

DATE 02-11-81

BY UID

SUBJECT FEDERAL "BN" WELL No. 1

HAPPY VALLEY MORROW

UNIT 14, 1980' FSL & 1980' FEL, SEC. 17, T-22-S, R-26-E  
EDDY COUNTY: NEW MEXICO

COMPLETED: 1-13-81

ELEV: 3628.6' GL  
RDB: 3642.2'13 3/8" CSA 712'  
48" H-40 ST&C  
CMT w/ 2900 SXS. CIRC.  
17 1/2" HOLE9 5/8" CSA 2917'  
36" K-55 ST&C  
CMT w/ 2200 SXS.  
TCMT: 1315' (TEMP. SURV.)  
12 1/4" HOLE

DV TOOL @ 8007'

2 3/8" TBG. LANDED IN PKR @ 10985'

ON/OFF TOOL ABOVE PKR.

TAILPIPE SA 11,087' w/ 1.81" F-T  
PROFILE NIPPLE ONE JOINT OFF  
BOTTOM

NEW: BONE SPRING PERFS

5919-27; 5938-58; 5972-60

6008-6034

5 1/2" CSA 11,749'

CMT w/ 2315 SXS.  
TCMT: 2400'  
8 3/4" HOLE

TD: 11752'

PBD: 11705

MORROW

PERFS: 11,192-98', 11,232-48', 11,354-78',  
11,426-32', 11,450-82', 11,626-30', 11,662-60'  
w/ 4 DPISPE

