

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

|                        |  |
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OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-76

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

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. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                                                                                           | 7. Unit Agreement Name<br>Wallace Gas Unit         |
| 2. Name of Operator<br>Amoco Production Company                                                                                                                                                            | 8. Farm or Lease Name                              |
| 3. Address of Operator<br>501 Airport Drive, Farmington, NM 87401                                                                                                                                          | 9. Well No.<br>1                                   |
| 4. Location of Well<br>UNIT LETTER <u>H</u> <u>1640</u> FEET FROM THE <u>North</u> LINE AND <u>790'</u> FEET FROM<br>THE <u>East</u> LINE, SECTION <u>35</u> TOWNSHIP <u>31N</u> RANGE <u>11W</u> N.M.P.M. | 10. Field and Pool, or Wildcat<br>Blanco Mesaverde |
| 15. Elevation (Show whether DF, RT, GR, etc.)<br>5797 GR                                                                                                                                                   | 12. County<br>San Juan                             |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

|                                                           |                                           |                                                      |                                               |
|-----------------------------------------------------------|-------------------------------------------|------------------------------------------------------|-----------------------------------------------|
| PERFORM REMEDIAL WORK <input checked="" type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>               | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>              | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPS. <input type="checkbox"/>      | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>             | OTHER <input type="checkbox"/>            | CASING TEST AND CEMENT JOBS <input type="checkbox"/> |                                               |

17. 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.

Amoco Production Company requests approval to repair the subject well according to the attached procedure.

RECEIVED  
FEB 21 1985  
OIL CON. DIV.  
DIST. 3

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

Original Signed By

SIGNED B. D. Shaw TITLE Administrative Supervisor DATE 2/18/85

SUPERVISOR DISTRICT # 3

Original Signed by FRANK I. CHAVEZ

APPROVED BY FRANK I. CHAVEZ TITLE  DATE FEB 21 1985

CONDITIONS OF APPROVAL, IF ANY:

What is your additional pay  
and refoc

FARMINGTON DISTRICT WORKOVER

DATE: 2/7/85

OPERATIONS TO BE PERFORMED: (CIRCLE ONE)

RECOMPLETION

REPAIR

SERVICE

LEASE AND WELL WALLACE Gas Com No. 1

FIELD Blanco Mesa Verde

FORMATION Mesa Verde

LOGS RADIOACTIVITY Log, Electrical Log

LOCATION 1640' ENL x 790' FEL; Sec 35, T31N, R11W, San Juan Co., NM

COMP. DATE 3/19/57

EL: 5797' GL

TO: 5808' KB

PBD: 4835'

CSG: 7" 20 # K-55 @ 4583'

5" 15 # J-55 @ 4469' to 4864'

COMP. INT. 4646 - 4777' x 2 spf

ORIG. STIM. FIXED x 44,500 gal/wk x 56,000 lbs. SAME

IP 4.6 MMCFD

CURRENT PROD. INT. SAME

PURPOSE: open up additional pay and refoc

WJH TKA

GOM  
DHS

MCH  
RGH  
BVD  
GMK

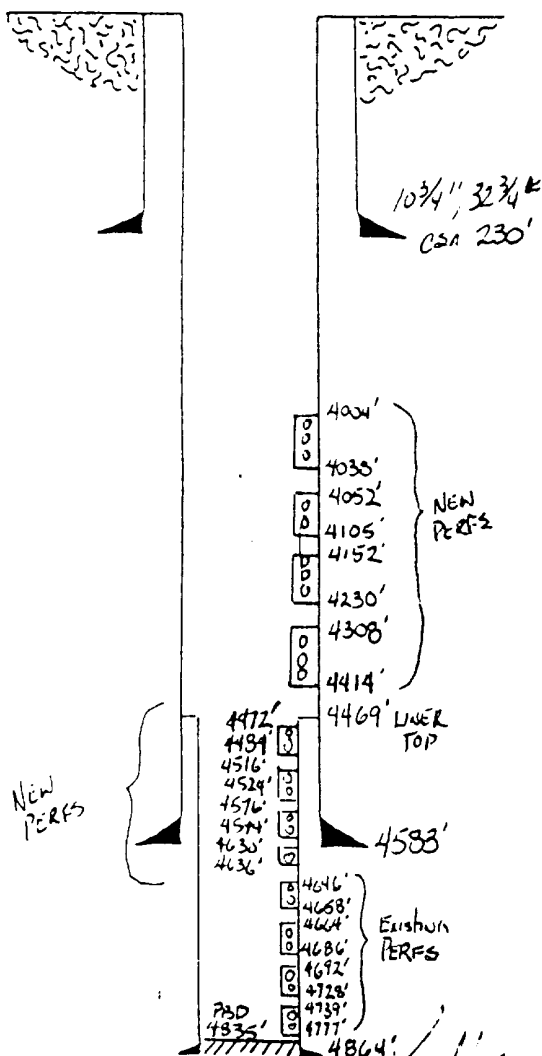
5/PERMITTING DESK

ENGR FILE

STIMULATION: WESTERN CO.  
WIRELINE: WELEX.

WELLBORE SKETCH

PROCEDURE



1. MI x RUSU, NO WELLHEAD, NU BOP TO TAG fill. If fill is present so as to PREVENT PERFORATING AT 4777', clean out x NZ. TO x tbg.
2. RUN 5" GAUGE RING WITH 5" packer SET PACKER AT 4600' AND TEST ANNULUS to 1000 psi. TO x tbg x packer
3. RUN GAMMA Ray CORRELATION Log from PBD to 3505'. RUN IN x 7 inch gauge ring from surface to top of lined at 4469'.
4. Run in with casing guns AND reperformate existing perforations 4739'-4777', 4692'-4729', 4664'-4686', and 4646'-4658' x 2 spf. Performate the interval 4630'-4636' x 2 spf. Performate the intervals 4576'-4594', 4516'-4521', AND 4472'-4484' with 4 spf. Use Welox's JRC (SSB), 3 3/8" guns, 22 gram charges, 90° phasing guns for this perforating work
5. TI x 2 3/8" tubing AND Set at 4200' for triple ENTER FEAC.

DISTRICT MANAGER [Signature]

DISTRICT ENGINEER [Signature]

DISTRICT FOREMAN [Signature]

ENGINEER [Signature]

DATE 2/11/85

6. FRAC PERFORATED INTERVALS DOWN tubing AND annulus  
 260,000 gallons 75 quality foam AND 320,000 lbs  
 12-20 MESH BRADY SAND. Liquid phase should contain  
 20 lb J-12 gel / 1000 gal.  $N_2$  will be pumped at  
 22.5 BPM, 15,800 scfm, AND 2106 scf/BBL Liquid Total  
 pump rate is 30 BPM. EXPECTED treating pressure is  
 500 psi casing and 2500 psi tubing. Pump water, sand and 10%  $N_2$   
 down annulus, remaining  $N_2$  down tubing

Pump Schedule

| FOAM Vol.<br>(GAL/BBL) | Liquid Vol.<br>(GAL/BBL) | Slurry Volume<br>(GAL/BBL) | Sand Conc<br>(PPG) | Stage |
|------------------------|--------------------------|----------------------------|--------------------|-------|
| 100,000 / 2381         | 25,000 / 595             | 25,000 / 595               | PAD                | 1     |
| 40,000 / 952           | 10,000 / 238             | 11,820 / 281               | 1                  | 2     |
| 80,000 / 1905          | 20,000 / 476             | 27,281 / 650               | 2                  | 3     |
| 40,000 / 952           | 10,000 / 238             | 15,461 / 368               | 3                  | 4     |
| 4800 / 160             | 5560 / 132               | 5560 / 132                 | FLUSH              | 5     |

7. Shut-in well overnight plus 24 hours. Flow well back  
 slowly through  $\frac{1}{4}$  inch choke.

8. TD x  $2\frac{3}{8}$ " work string and tag for fill. If  
 fill is present so as to prevent setting a BP @ 4450',  
 CO x  $N_2$ . TO x  $2\frac{3}{8}$ " tubing

9. RUN x WIRELINE SET, TUBING RETRIEVABLE BP. SET 7 inch  
 BP @ 4450'. RUN in with WELEX's JRC/H, 4",  
 90° phasing, 22 gram charge AND PERFORATE ELECTRIC  
 LOG INTERVALS 4308'-4414', 4152'-4230', 4052'-4105',  
 and 4004'-4038' x 2 spf.

10. TI x 2 $\frac{3}{8}$  inch tubing and set at 3800'. FRAC PERFORATED INTERVALS TRIPLE ENTRY WITH 320,000 gallons 75 quality FOAM AND 440,000 lbs 12-20 MESH BRADY SAND. LIQUID phase should contain 20 lb J-12 gel / 1000 gal. N<sub>2</sub> will be pumped at 22.5 BPM, 15,800 scf/min, AND 2100 scf/bbl liquid. Total pump rate is 30 BPM. Expected treating pressures are 750 psi casing and 2600 psi tubing. Water, sand and 10% of the Nitrogen will be pumped down annulus and 90% of Nitrogen will be pumped down tubing.

### Pump Schedule

| Foam Vol.<br>(GAL/BBL) | Liquid Vol<br>(GAL/BBL) | Slurry Vol.<br>(GAL/BBL) | SAND Conc<br>(PPH) | Stage |
|------------------------|-------------------------|--------------------------|--------------------|-------|
| 100,000/2381           | 25,000/595              | 25,000/595               | PAID               | 1     |
| 60,000/1429            | 15,000/357              | 17,731/422               | 1                  | 2     |
| 100,000/2381           | 25,000/595              | 34,102/812               | 2                  | 3     |
| 60,000/1429            | 15,000/357              | 23,192/552               | 3                  | 4     |
| 6207/149               | 5031/120                | 5031/120                 | FLUSH              | 5     |

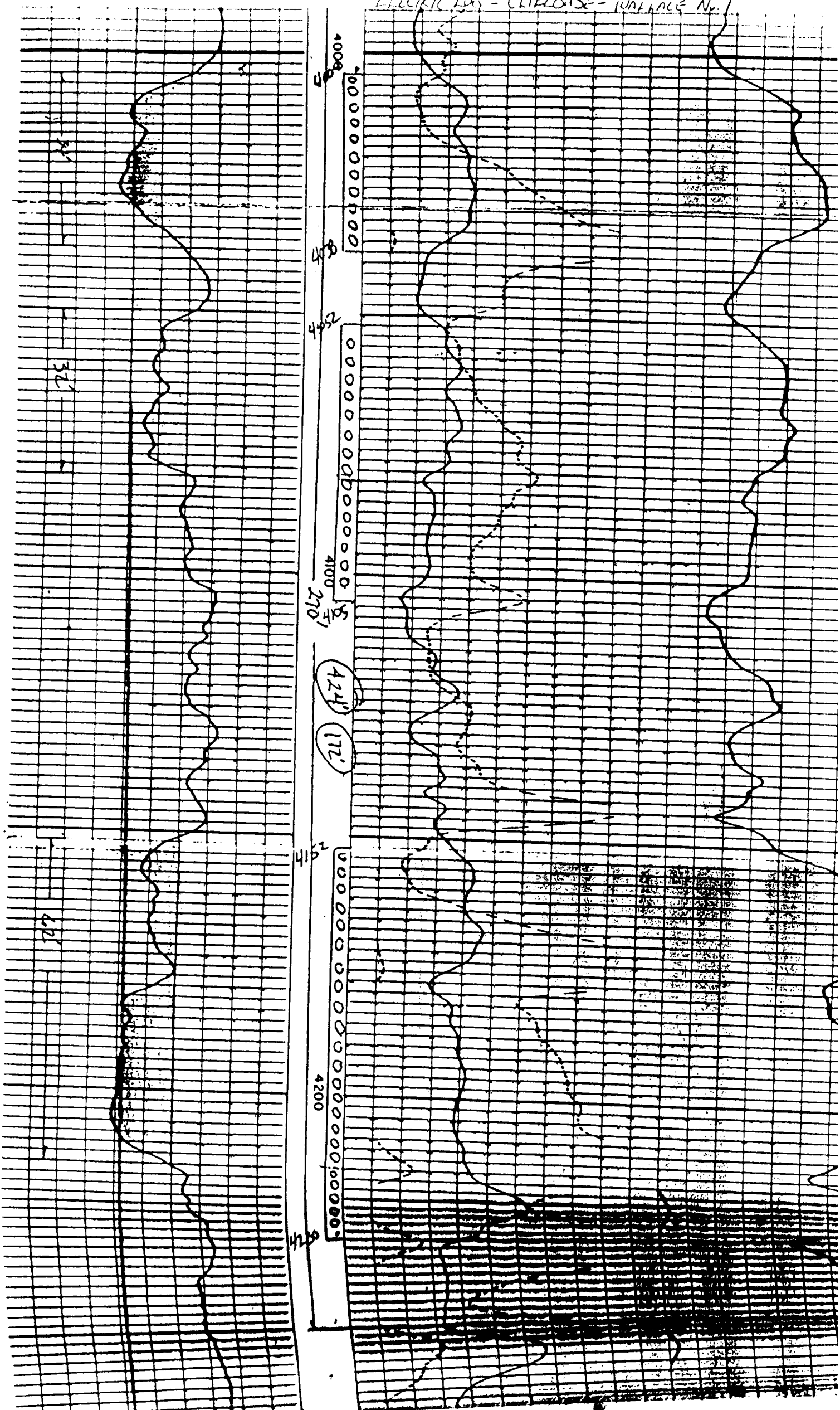
11. Shut-in well overnight plus 24-hours. Flow well back slowly through  $\frac{1}{4}$  inch choke. TI x tubing x check for fill. If fill is present, Clean out x N<sub>2</sub>

12. When upper zone is cleaned up, retrieve BOP at 4450'. TI x tubing x Clean out both zones x N<sub>2</sub>. When cleaned out, land tubing near bottom perforations, and turn well back on down salesline.

## Notes:

1. Max Rating on 7 inch casing is 1500 psi  
Max Rating on 2 3/8 inch tubing is 6200 psi
2. Please check
  - A. Sewer Analysis
  - B. Steam Clean all fuel tanks
  - C. Filter all water to 1 micron
  - D. Use Brady Sand.
3. Use 2% KCL water for everything.
4. If shutdown occurs during pad, pump the following MAKE-UP VOLUMES for each minute of shutdown
  - 1st stage = 18 BBL foam
  - 2nd stage = 18 BBL foam
5. Record load rec. and load yet to be rec.
6. Viscosity of 20lb gelled water should be 15-20 cp at 100 rpm @ 60°F

ELECTRIC LUM - CHIFFONISE - KNAUF N.Y.



ELECTRIC LOG - CLIFFHOUSE - WELLS No. 1

