

RECOMPLETION

STATE OF KANSAS  
STATE CORPORATION COMMISSION

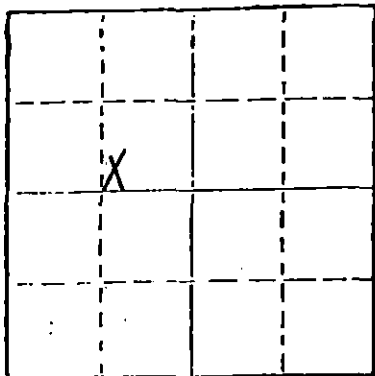
WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to  
Conservation Division  
State Corporation Comm.  
245 North Water  
Wichita, KS 67202

Stanton County, Sec. 5 Twp. 29S Rge. 41 XE/W  
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines  
2590' FNL X 1250' FWL

Lease Owner Amoco Production Company  
Lease Name Armstrong Gas Unit Well No. 1  
Office Address P. O. Box 432 - Liberal, Ks 67901  
Character of Well (Completed as Oil, Gas or Dry Hole)  
Dry Hole

Date Well completed 12-2 1977  
Application for plugging filed 12-2 1977  
Application for plugging approved 12-8 1977  
Plugging commenced 12-2 1977  
Plugging completed 12-2 1977  
Reason for abandonment of well or producing formation  
Dry Hole



Locate well correctly on above  
Section Plat

If a producing well is abandoned, date of last production  
19

Was permission obtained from the Conservation Division or  
its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Clarence Thomas  
Producing formation Depth to top Bottom Total Depth of Well 2803  
Show depth and thickness of all water, oil and gas formations. 2470

OIL, GAS OR WATER RECORDS

CASING RECORD

| FORMATION | CONTENT | FROM | TO | SIZE  | PUT IN | PULLED OUT |
|-----------|---------|------|----|-------|--------|------------|
|           |         |      |    | 8-5/8 | 686    | 0          |
|           |         |      |    | 5-1/2 | 2829   | 0          |
|           |         |      |    |       |        |            |
|           |         |      |    |       |        |            |

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hold. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Pump 250 sx Poz "A" to plug at 2470'. Shut down for 3 hrs, pump additional 50 sx. Hole full to surface. Cut off 8-5/8" and 5-1/2" casing and weld on cap. Well Plugged and Abandoned.

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DEC 19 1977 12-19-1977

CONSERVATION DIVISION  
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)

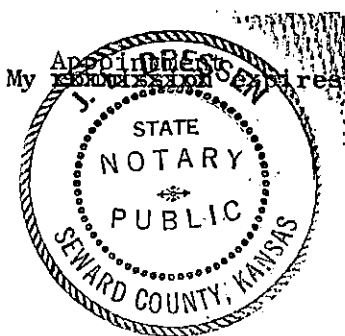
Name of Plugging Contractor Haliburton

STATE OF Kansas COUNTY OF Seward, ss.  
Gale McCord (employee of owner) or (owner or operator)  
of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Gale McCord Gale McCord Admn. Asst.  
P. O. Box 432-Liberal, Ks 67901 (Address)

SUBSCRIBED AND SWORN TO before me this 14th day of December, 1977

J. L. Dressen J. L. Dressen  
Notary Public.



2-2-81

RECOMPLETION

15-187-20158-000.1

KANSAS DRILLERS LOG

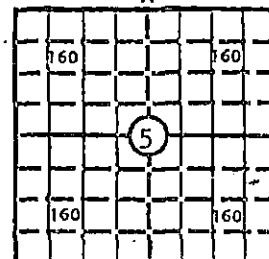
API No. 15 — 187 — 20158-A  
County Number

S. 5 T. 29S R. 41 W

Loc. 1250' FWL X 2590' FNL

County Stanton

640 Acres  
N



Locate well correctly

Elev.: Gr. 3422

DF KB 3429

Operator  
Amoco Production Company

Address  
P.O. Box 432, Liberal, Kansas 67901

Well No. 1 Lease Name Armstrong Gas Unit

Footage Location  
2590 feet from (N) line 1250 feet from (W) line

Principal Contractor Service Drilling Company Geologist

Start Date 3-25-75 Total Depth 2803 P.B.Y.D. 2470

Date Completed 5-14-75 Oil Purchaser

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs/ft. | Setting depth | Type cement | Sacks | Type and percent additives |
|-------------------|-------------------|---------------------------|----------------|---------------|-------------|-------|----------------------------|
| Surface           | 12 1/4            | 8 5/8                     | 28             | 690           | Class "H"   | 400   | 2% CACL                    |
| Production        | 7 7/8             | 5 1/2                     | 14             | 2804          | Special     | 750   | 18% CACL                   |
|                   |                   |                           |                |               |             |       |                            |
|                   |                   |                           |                |               |             |       |                            |

LINER RECORD

PERFORATION RECORD

| Top, ft.      | Bottom, ft.   | Sacks cement  | Shots per ft. | Size & type | Depth interval |
|---------------|---------------|---------------|---------------|-------------|----------------|
|               |               |               | 2             | .5          | 2402-12        |
| TUBING RECORD |               |               |               |             | 2418-28        |
| Size          | Setting depth | Packer set at |               |             |                |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used  | Depth interval treated |
|---|------------------------|
| Pmp 1000 gals 15% HCL & displace frac with 40,000 gals treated water & 50,000# river sand | 2402-12 & 2418-28      |

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INITIAL PRODUCTION

DEC - 7 1977

Date of first production Dry Hole Producing method (flowing, pumping, gas lift, etc.)

CONSERVATION DIVISION  
Wichita, Kansas

|                                 |           |         |             |               |      |
|---------------------------------|-----------|---------|-------------|---------------|------|
| RATE OF PRODUCTION PER 24 HOURS | Oil bbls. | Gas MCF | Water bbls. | Gas-oil ratio | CFPB |
|---------------------------------|-----------|---------|-------------|---------------|------|

Disposition of gas (vented, used on lease or sold) Producing interval (s)

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Amoco Production Company DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Dry Hole

Well No. 1 Lease Name Armstrong Gas Unit

S 5 T 29S R 41 E<sup>2</sup> W

**WELL LOG**  
 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. SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

| FORMATION DESCRIPTION, CONTENTS, ETC.   | TOP  | BOTTOM | NAME                   | DEPTH         |
|---|------|--------|------------------------|---------------|
| Sand, Rocks                             | 0    | 444    | Gamma Ray<br>& TDT Log | 2470' - 1500' |
| Sand, Red Bed                           | 444  | 690    |                        |               |
| Red Bed, Sand, Gyp                      | 690  | 1323   |                        |               |
| Sand, Gyp                               | 1323 | 1668   |                        |               |
| Shale, Anhydrite                        | 1668 | 1931   |                        |               |
| Lime, Sand                              | 1931 | 2095   |                        |               |
| Shale, Lime                             | 2095 | 2392   |                        |               |
| Lime                                    | 2392 | 2488   |                        |               |
| Lime, Shale, Anhydrite                  | 2488 | 2543   |                        |               |
| Lime, Shale, Anhydrite, Sand            | 2543 | 2599   |                        |               |
| Lime                                    | 2599 | 2640   |                        |               |
| Shale, Lime                             | 2640 | 2716   |                        |               |
| Lime                                    | 2716 | 2803   |                        |               |
| TD                                      | 2803 |        |                        |               |
| CIBP set at 2480' with 1.5 sacks cement |      |        |                        |               |

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received \_\_\_\_\_ Original Signed By: Gale McCord  
 Signature: Gale McCord  
 Title: Administrative Assistant  
 Date: December 6, 1977

15-187-20158-0001



RECOMPLETION

Amoco Production Company  
WELL RECORD

SUPPLEMENTAL  
(ENTER "X" WHEN APPLICABLE)

Grid for well location with 'X' in section 5 and '5<sup>sq</sup>' label.

LOCATE WELL CORRECTLY

LEASE Armstrong Gas Unit WELL NO. 1  
LOCATION OF WELL: 2590 FT.  NORTH  SOUTH OF THE  NORTH  SOUTH LINE AND 1250 FT.  
 EAST  WEST OF THE  EAST  WEST LINE OF THE 1/4 1/4 NW 1/4.  
OF SECTION 5 TOWNSHIP 29  NORTH  SOUTH. RANGE 41  EAST  WEST.

Stanton COUNTY Kansas STATE  
ELEVATION: 3422' GL

COMPLETED AS:  OIL WELL  GAS WELL  WATER WELL  DRY HOLE

DRILLING COMMENCED 3-25 19 75 COMPLETED 5-14 19 75  
Redrill " 10-24-77 " 12-2-77

OPERATING COMPANY Amoco Production Company ADDRESS P. O. Box 432 - Liberal, Ks 67901

OIL OR GAS SANDS OR ZONES

Table with columns: NAME, FROM, TO, NAME, FROM, TO. Rows 1-3.

WATER SANDS

Table with columns: NAME, FROM, TO, WATER LEVEL, NAME, FROM, TO, WATER LEVEL. Rows 1-2.

CASING RECORD (OVERALL MEASUREMENT)

LINER-SCREEN RECORD

Tables for casing and liner-screen records with columns for size, weight, description, quantity, size, quantity, set at, make and type.

PACKER RECORD

Table for packer record with columns: size, length, set at, make and type.

CEMENTING RECORD

MUDDING RECORD

Tables for cementing and mudding records with columns for size, where set, cement, method, final press, cable tools, results.

WHAT METHOD WAS USED TO PROTECT SANDS WHEN OUTER STRINGS WERE PULLED? \_\_\_\_\_

WERE BOTTOM HOLE PLUGS USED? No

IF SO, STATE KIND, DEPTH SET, AND RESULTS OBTAINED \_\_\_\_\_

ROTARY TOOLS WERE USED FROM 0 FEET TO 2803 FEET, AND FROM \_\_\_\_\_ FEET TO \_\_\_\_\_ FEET

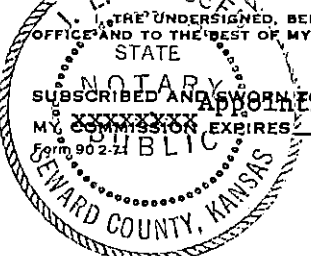
CABLE TOOLS WERE USED FROM \_\_\_\_\_ FEET TO \_\_\_\_\_ FEET, AND FROM \_\_\_\_\_ FEET TO \_\_\_\_\_ FEET

24-HOUR PRODUCTION OR POTENTIAL TEST Dry Hole

WATER \_\_\_\_\_ BBLs.

IF GAS WELL CUBIC FEET PER 24 HOURS \_\_\_\_\_ SHUT-IN PRESSURE \_\_\_\_\_ LBS. PER SQUARE IN.

I, THE UNDERSIGNED, BEING FIRST DULY SWORN UPON OATH, STATE THAT THIS WELL RECORD IS TRUE AND CORRECT ACCORDING TO THE RECORDS OF THIS OFFICE AND TO THE BEST OF MY KNOWLEDGE AND BELIEF.



SUBSCRIBED AND SWORN TO BEFORE ME THIS 14th DAY OF December 19 77  
MY COMMISSION EXPIRES 2-2-81  
Gale McCord Admn. Asst.  
J. L. Dressen NOTARY PUBLIC

FORMATION RECORD

DESCRIBE EACH FORMATION DRILLED. INDICATE THICKNESS, CONTENT AND WHETHER DRY, OR OIL, GAS, OR WATER BEARING.

| FORMATION  | TOP  | BOTTOM | FORMATION | TOP | BOTTOM |
|--|------|--------|-----------|-----|--------|
| Sand, Rocks  | 0    | 444    |           |     |        |
| Sand, Redbed   | 444  | 690    |           |     |        |
| Redbed, Sand, Gyp  | 690  | 1323   |           |     |        |
| Sand, Gyp  | 1323 | 1668   |           |     |        |
| Shale, Anhydrite   | 1668 | 1931   |           |     |        |
| Lime, Sand   | 1931 | 2095   |           |     |        |
| Shale, Lime  | 2095 | 2392   |           |     |        |
| Lime   | 2392 | 2488   |           |     |        |
| Lime, Shale, Anhydrite   | 2488 | 2599   |           |     |        |
| Lime   | 2599 | 2640   |           |     |        |
| Shale, Lime  | 2640 | 2716   |           |     |        |
| Lime   | 2716 | 2803   |           |     |        |
| <p>CIBP set at 2480' X capped with 1.5 sacks Class "H" cement.</p> |      |        |           |     |        |

PLAT AND CERTIFICATION OF ACREAGE ATTRIBUTABLE TO A GAS WELL

RECOMPLETION

State Corporation Commission, Conservation Division  
500 Insurance Building, 212 N. Market, Wichita 2, Kansas

OPERATOR AMOCO PRODUCTION COMPANY

LOCATION OF WELL

LEASE Armstrong Gas Unit

2590 feet from the North line  
1250 feet from the West line  
Sec. 5 T. 29SR.41W

WELL NUMBER 1

FIELD Hugoton

COUNTY Stanton

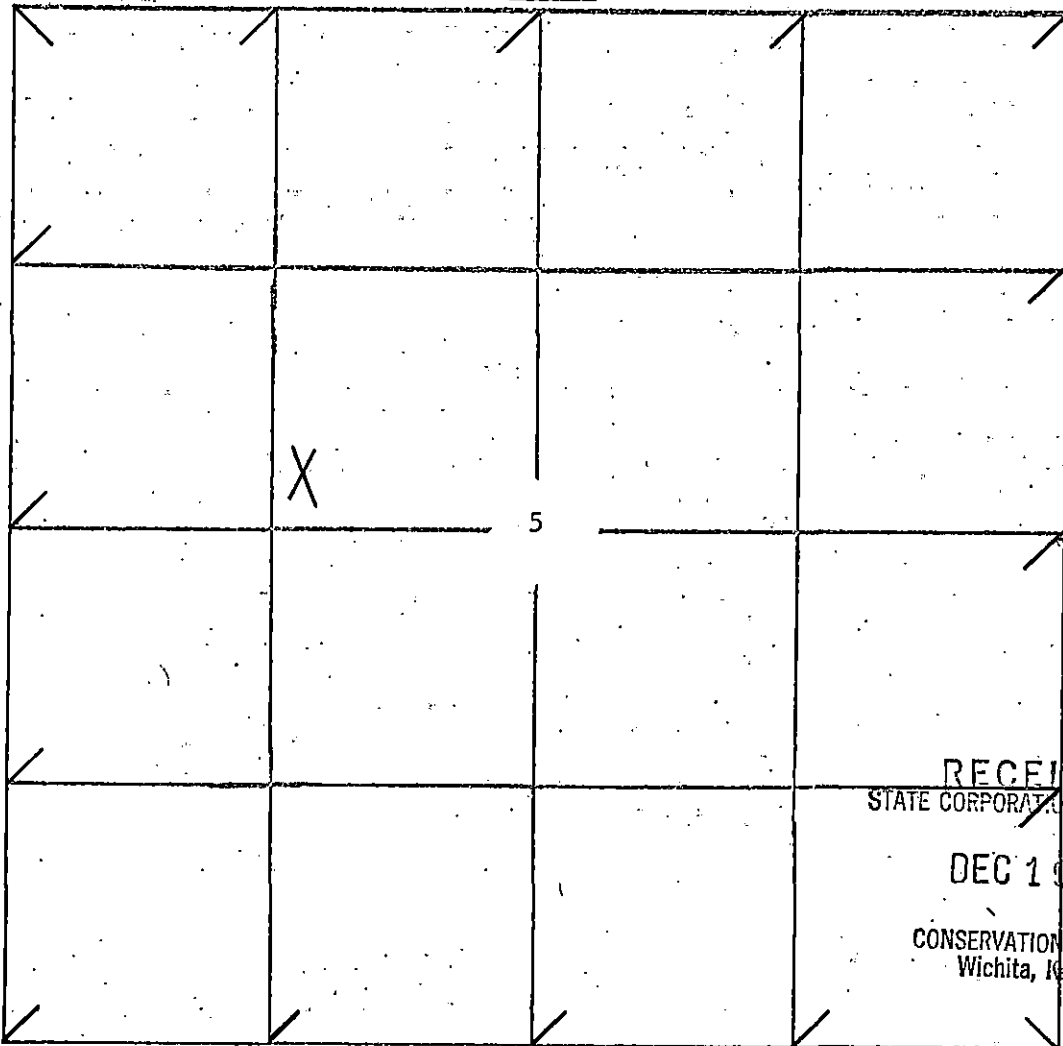
ORDER GRANTING ALLOWABLE ENTERED IN DOCKET NO. \_\_\_\_\_

NUMBER OF ACRES  
ATTRIBUTABLE TO WELL 640

DESCRIPTION OF ACREAGE:  
ALL OF SECTION 5-T29S-R41W

P L A T

(Show location of Well and outline attributable acreage)  
R 41 W



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STATE CORPORATION COMMISSION  
DEC 10 1977  
CONSERVATION DIVISION  
Wichita, Kansas

The undersigned hereby certifies that he is ADMINISTRATIVE ASSISTANT  
for AMOCO PRODUCTION COMPANY, a duly authorized agent, that all information shown hereon is true and correct to the best of his knowledge and belief, and that all acreage claimed as attributable to the well named herein is held by production from that well.

Gale McCord GALE McCORD

Subscribed and sworn to before me on this 14th day of December, 19 77.

J. L. Dressen J. L. Dressen  
Notary Public

My Appointment Expires 2-2-81

