

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 4742

Name: Texaco E & P, Inc.

Address P.O. Box 2700

City/State/Zip Pampa, TX 79066-2700

Purchaser: Northern Natural Gas

Operator Contact Person: Sylvia Porter

Phone (806) 669-8456

Contractor: Name: Allen Drilling Co.

License: 5418

Wellsite Geologist: Phil Schreiner

Designate Type of Completion

New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back \_\_\_\_\_ PBSD \_\_\_\_\_

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

09/02/95 09/05/95 9/28/95

Spud Date Date Reached TD Completion Date

API NO. 15- 175-214870000

County Seward

C NW Sec. 22 Twp. 31S Rge. 32 X E W

3960 Feet from S/N (circle one) Line of Section

3960 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name ESTELLE SMITH Well # 22-2

Producing Formation Herrington, Krider, Winfield

Elevation: Ground 2857 KB 2867

Total Depth 2900 PBTD 2852

Amount of Surface Pipe Set and Cemented at 567' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rge. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An Original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Mark W. Der, Jr. FOR DER, JR.

Title Operations Manager Date 12-6-95

Subscribed and sworn to before me this 7<sup>th</sup> day of December

19 95  
Notary Public Merle W. Small

Date Commission Expires 2-23-99

|                              |   |                                |
|------------------------------|---|--------------------------------|
| K.C.C. OFFICE USE ONLY       |   |                                |
| F                            | <input type="checkbox"/> Letter of Confidentiality Attached |                                |
| C                            | <input type="checkbox"/> Wireline Log Received              |                                |
| C                            | <input type="checkbox"/> Drillers Timelog Received          |                                |
| Distribution                 |   |                                |
| <input type="checkbox"/> KCC | <input type="checkbox"/> SWD/Rep                            | <input type="checkbox"/> NGPA  |
| <input type="checkbox"/> KGS | <input type="checkbox"/> Plug                               | <input type="checkbox"/> Other |
| (Specify)                    |   |                                |

Operator Name Texaco E & P Inc. Lease Name Estelle Smith Well # 22-2  
 Sec. 22 Twp. 31S Rge. 32  East County Seward  West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)  Yes  No  Log Formation (Top), Depth and Datums  Sample  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No Name Top Datum  
 Electric Log Run (Submit Copy.)  Yes  No See Attached

List All E.Logs Run:  
 Compensated Neutron/Dual Induction Gamma Ray

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1996 SEP 30 A 11:13

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used |                   |                           |                 |               |                |              |                            |
|---|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc.           |                   |                           |                 |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface   | 12-1/4"           | 8-5/8"                    | 24#             | 567'          | See Att.       |              |                            |
| Production  | 7-7/8"            | 4-1/2"                    | 10.5#           | 2899'         | See Att.       |              |                            |

| ADDITIONAL CEMENTING/SQUEEZE RECORD |                  |                |             |                            |  |
|-------------------------------------|------------------|----------------|-------------|----------------------------|--|
| Purpose                             | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |  |
| Perforate                           |                  |                |             |                            |  |
| Protect Casing                      |                  |                |             |                            |  |
| Plug Back TD                        |                  |                |             |                            |  |
| Plug Off Zone                       |                  |                |             |                            |  |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) |       |
|----------------|---|---|-------|
|                |   | Amount  | Depth |
| 1              | 2622 - 2632'  | 2500 Gal. 15% HCL w/754 bbls  |       |
| 1              | 2649 - 2669'  | 20# gel wtr. w/133,320#   |       |
| 1              | 2688 - 2710'  | 12/20 Brady Sand  |       |
| 1              | 2726 - 2752'  |   |       |

| TUBING RECORD | Size   | Set At | Packer At | Liner Run   |
|---------------|--------|--------|-----------|---|
|               | 2-3/8" | 2775'  |           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Date of First Resumed Production, SWD or Inj. Production 9-28-95 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

| Estimated Production Per 24 Hours | Oil | Bbls. | Gas | Mcf | Water | Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----|-------|-----|-----|-------|-------|---------------|---------|
|                                   | 0   |       | 14  |     | 125   |       |               |         |

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) Production Interval 2622 - 2752'

15-175-21487

P & A Procedure  
Estelle Smith #22-2

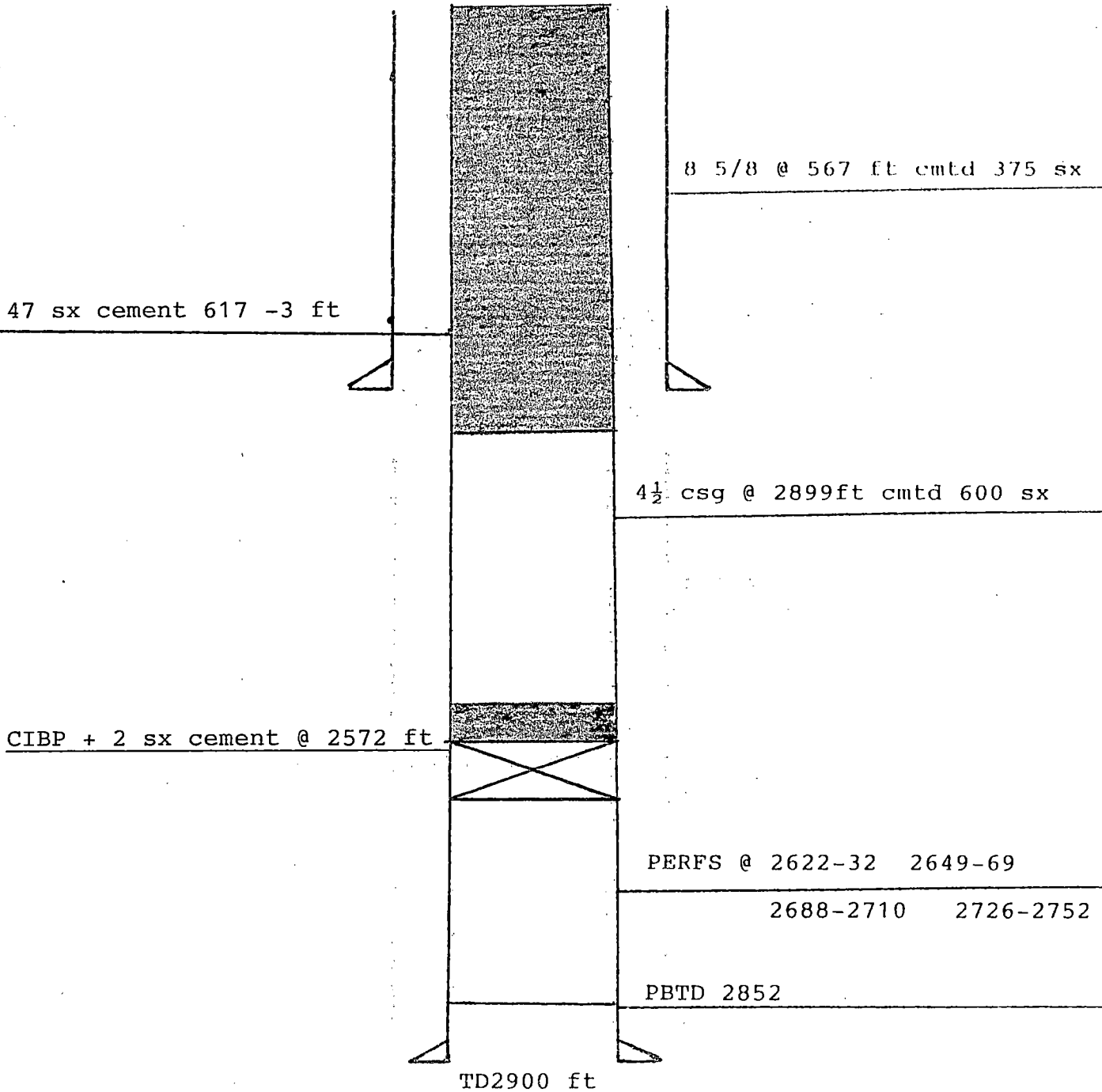
Move in, rig up workover rig, pull rods, install BOP, pump 9.5# mud to displace all well bore fluids, pull tubing, run gauge ring to 2572 feet, run and set CIBP at 2572 feet with 2 sacks of cement on top, run tubing to 617 feet, circulate cement to surface, calculated 47 sacks of cement, nipple down BOP, cut off well head, weld on steel ID plate, clean location and rig down

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1986 SEP 30 A 1:13

TEXACO E&P INC  
ESTELLE SMITH #22-2

15-175-21487

PERPOSED

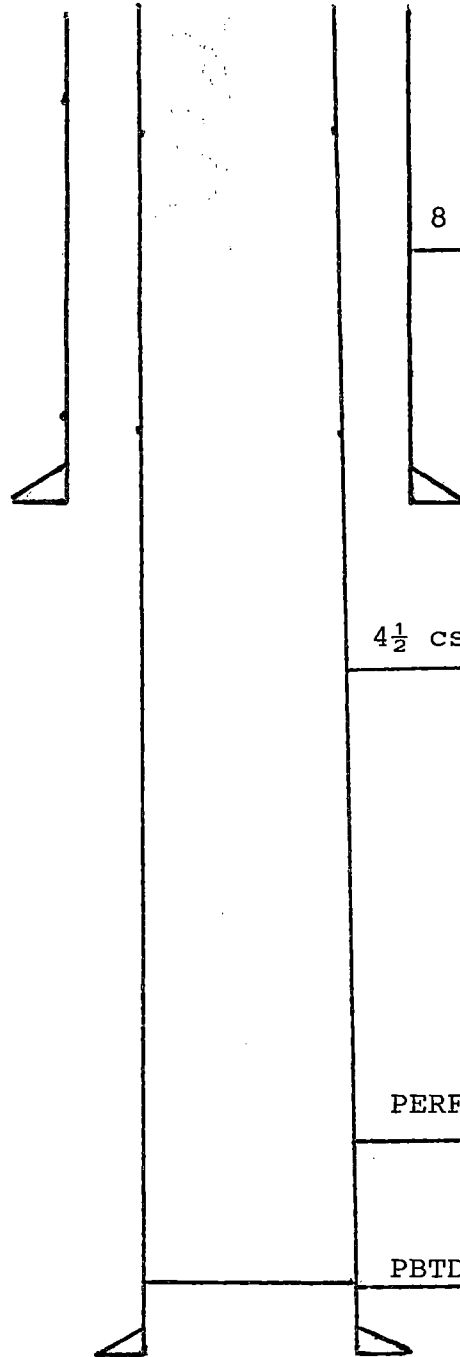


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KANSAS CORP CORP  
1995 SEP 30 A 1:13

TEXACO E&P INC  
ESTELLE SMITH #22-2

15-175-21487

CURRENT



8 5/8 @ 567 ft cmtd 375 sx

4 1/2 csg @ 2899ft cmtd 600 sx

PERFS @ 2622-32 2649-69

2688-2710 2726-2752

PBD 2852

TD2900 ft

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KANSAS CORP COMM  
1996 SEP 30 A 1:13



## Kansas Corporation Commission

Bill Graves, Governor Timothy E. McKee, Chair Susan M. Seltsam, Commissioner John Wine, Commissioner  
Judith McConnell, Executive Director David J. Heinemann, General Counsel

### NOTICE OF RECEIPT OF WELL PLUGGING APPLICATION (CP-1)

September 30, 1996

Texaco E & P Inc  
P O Box 2700  
Pampa TX 79066-2700

Estelle Smith #22-2  
API 15-175-21,487  
1320 FNL 1320 FWL  
Sec. 22-31S-32W  
Seward County

Dear Mark W. Amundson,

This letter is to notify you that the Conservation Division is in receipt of your plugging proposal, form CP-1, for the above-captioned well.

Your CP-1 has been reviewed by the Conservation Division central office for completeness and to verify license numbers. The plugging proposal will now be forwarded to the district office listed below for review of your proposed method of plugging.

**Please contact the district office for approval of your proposed plugging method at least at five (5) days before plugging the well, pursuant to K.A.R. 82-3-113 (b). If a workover pit will be used during the plugging of the well it must be permitted. A CDP-1 form must be filed and approved prior to the use of the pit.**

The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well.

**This notice in no way constitutes authorization to plug the above-captioned well by persons not having legal rights of ownership or interest in the well. This notice is void after ninety (90) days from the above date.**

Sincerely,

A handwritten signature in cursive script, appearing to read "David P. Williams".

David P. Williams  
Production Supervisor

District: #1  
304 W. McArtor  
Dodge City, KS 67801  
(316) 225-6760