

6-35s-35w

and

SIDE ONE

15-149-00691-0001

COPY

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: _____

License: _____

Wellsite Geologist: _____

Designate Type of Completion

____ New Well ____ Re-Entry X Workover

____ Oil ____ SWD ____ SLOW ____ Temp. Abd.

X Gas ____ ENHR ____ SIGW

____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc.)

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

Operator: The Texas Company

Well Name: D. L. Haworth Community O/A

Comp. Date 12-31-45 Old Total Depth 2822'

____ Deepening X Re-perf. ____ Conv. to Inj/SWD

____ Plug Back ____ PBDT

____ Commingled ____ Docket No. _____

____ Dual Completion ____ Docket No. _____

____ Other (SWD or Inj?) ____ Docket No. _____

11-17-96

12-5-95

11-17-96 Date of START of WORKOVER Date Reached TD Completion Date of WORKOVER

API NO. 15- comp. 12/31/45

County Stevens

SE SE SE NW Sec. 6 Twp. 35S Rge. 35 X E W

2526 Feet from S (circle one) Line of Section

2551 Feet from E (circle one) Line of Section

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

Lease Name D. L. HAWORTH Well # 1

Hugoton

Producing Formation Herrington, Krider, Winfield

Elevation: Ground 3002' KB 3013'

Total Depth 2822' PBDT 2822'

Amount of Surface Pipe Set and Cemented at 716' Feet

Multiple Stage Cementing Collar Used? ____ Yes X No

If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from ____

____ feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan REWORK JH 3-28-96
(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 Sylvia Porter

Title Administrative Analyst Date 3-21-96

Subscribed and sworn to before me this 26th day of MARCH

Notary Public Maile W. Merrill

Date Commission Expires 2-23-99

K.C.C. OFFICE USE ONLY
F ____ Letter of Confidentiality Attached
C ____ Wireline Log Received
C ____ Drillers Timelog Received

Distribution

/ KCC / SWD/Rep / NGPA
/ KGS / Plug / Other (Specify) TS

SIDE TWO

Operator Name Texaco E & P Inc.Lease Name D. L. HaworthWell # 1
☐ East
 Sec. 6 Twp. 35S Rge. 35
☒ West
County Stevens

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

 Samples Sent to Geological Survey ☐ Yes ☒ No

 Cores Taken ☐ Yes ☒ No

 Electric Log Run
 (Submit Copy.) ☐ Yes ☒ No

List All E.Logs Run:

☐ Log

Formation (Top), Depth and Datums

☐ Sample

Name	Top	Datum
Herrington	2660'	+353
Krider	2720'	+293
Winfield	2784'	+229

CASING RECORD

☒ New ☐ 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	13-3/4"	10-3/4"		716'		350	
Production	9"	7"		2699'		800	
Liner	7"	5-1/2"		2694'			

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	2660 - 2678' (New perfs)	1500 Gal. 15% HCL w/75 balls;	
		790 Gal. 20# Gelled & Cross-	2662 -
4	2722'-2822' (OLD PERFS)	link fluid w/136,420# Brady	2822'
		Sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	2783'		☐ Yes ☒ No
Date of First Resumed Production, SWD or Inj. Production	Producing Method			
12-5-95	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf
			172	
			Water	Bbls.
			Gas-Oil Ratio	Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled
☐ Other (Specify)

 2660-2784' +
 2722'-2822'