

SIDE ONE

JUL 10 2001 *ply*

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

API NO. 15- 189-206630001

County Stevens

CONSERVATION DIVISION  
WICHITA, KS

Operator: License # 4742

C NW SE Sec. 6 Twp. 35S Rge. 35 X E  
2040 Feet from S/N (circle one) Line of Section

Name: Texaco E & P, Inc.

1920 Feet from E/W (circle one) Line of Section

Address P.O. Box 2700

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

City/State/Zip Pampa, TX 79066-2700

Lease Name D. L. HAWORTH Well # 6-3

Purchaser: Northern Natural Gas

Hugoton

Operator Contact Person: Sylvia Porter

Producing Formation Herrington, Krider, Winfield

Phone (806) 669-8456

Elevation: Ground 3001' KB 3013'

Contractor Name: \_\_\_\_\_

Total Depth 6650' PBTD 4950'

License: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 1722' Feet

Wellsite Geologist: \_\_\_\_\_

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes \_\_\_\_\_ No

Designate Type of Completion

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

\_\_\_\_\_ New Well  Re-Entry  Workover

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

\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW \_\_\_\_\_ Temp. Abd.

feet depth to ACT I WITHIN 9-8-06 w/ \_\_\_\_\_ sx cmt.

\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

\_\_\_\_\_ Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc.)

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

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

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

Operator: Texaco, Inc.

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

Well Name: F. O. Hunt #1

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

Comp. Date 8-18-83 Old Total Depth 6650'

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

\_\_\_\_\_ Deepening  Re-perf. \_\_\_\_\_ Conv. to Inj/SWD

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

Plug Back 4950 PBTD

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

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

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

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

12-4-95 \_\_\_\_\_ 12-29-95

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

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 Asst. Date 2-28-96

Subscribed and sworn to before me this 4<sup>th</sup> day of MARCH

Notary Public Merle W. Jersell

State 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)		

SIDE TWO

Operator Name Texaco E & P Inc.

Lease Name D. L. Haworth

Well # 6-3

Sec. 6 Twp. 35S Rge. 35  
 East  
 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  
See Attached

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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	12-1/4"	8-5/8"	24#	1722'	Class H+	625	3%CC, 10%Sal
Production	7-7/8"	5-1/2"	15.5#	6641	50/50 Poz	150	10% Salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input checked="" type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input checked="" type="checkbox"/> Plug Back TD	See Att.				
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
	2657 - 2668'	2000 Gal. 15% HCL w/136,440
	2704 - 2730'	1bs. 12/40 Brady Sand
	2773 - 2797'	

Date of First Resumed Production, SWD or Inj. Production	Producing Method	Packer At		Liner Run	
		Size	Set At	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
-11-96	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	2-3/8"	2844'		
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		0	50	0	

Position 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: 2657 - 2797'

15-189-20663-00-d

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**D. L. HAWORTH #6-3**  
API #15-189-206630001  
Section 6-35S-35W  
Stevens County, Kansas

Formation Tops and Datum  
KB Elevation + 3013.0')

<u>Formation</u>	<u>Top</u>	<u>Datum</u>
Herrington	2657'	+356
Krider	2704'	+309
Winfield	2773'	+240

Additional Cementing/Squeeze Record

Squeeze holes at 2998' w/top of cement at 2836'  
220 sacks, Class C, 3% D79, 2% D46, 1/4#/D29  
150 sacks, Class C, 2% B28, 2% CC, .6% D60, .2% D65

Squeeze holes at 2850' and cement retainer at 2789' w/top of cement at 2408'  
100 sacks 10-2 RFC w/5# D42

# Holman Services

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## Well Plugging Specialist

Phone 806-665-2550 \* Fax 806-665-2719  
P. O. Box 2742 Pampa, Texas 79066-2742  
Dennis Lee Holman

JUL 10 2001 *plz*

CONSERVATION DIVISION  
WICHITA, KS

Texaco E&P, Inc  
P&A Procedure  
D.L. Haworth  
Stevens County Kansas

Move in, rig up P&A rig, pull rods, install B.O.P., pull 2 joints tubing, pump 65 barrels of 9.5# mud, pull tubing, run gauge ring to 2607 feet, run and set 5½ CIBP at 2607 feet with 2½ sacks cement on top, load hole with 9.5# mud, nipple up to 5½ casing, determine free point cut and pull casing, run tubing to anhydrite, pump 40 sacks cement, pull tubing to 1822 feet, pump 75 sacks cement, pull tubing wait on cement 4 hours, run tubing, tag top of cement, pull tubing to 60 feet, pump 20 sacks cement to surface, pull tubing, dig out and cut off wellhead, 3 feet below ground level, weld on steel ID plate and clean location.

15. 189.20663.00.01

FORM ENG-4

# TEXACO INC.

SHEET NO. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 C.K'D \_\_\_\_\_  
 APP'D \_\_\_\_\_

LOCATION D.L. Haworth 6-3 EST. NO. \_\_\_\_\_  
 SUBJECT Stevens County Kansas  
P&A

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CURRENT

8 5/8 Set at 1722 cemented with 625

Perfs 2657-2668 2704-2730 2773-2797

5 1/2 Casing set at 6641 feet cemented with 470 sacks

T.D. 6650  
 P.B.T.D. 4950

LOCATION D.L. Harworth 6-3

EST. NO. \_\_\_\_\_

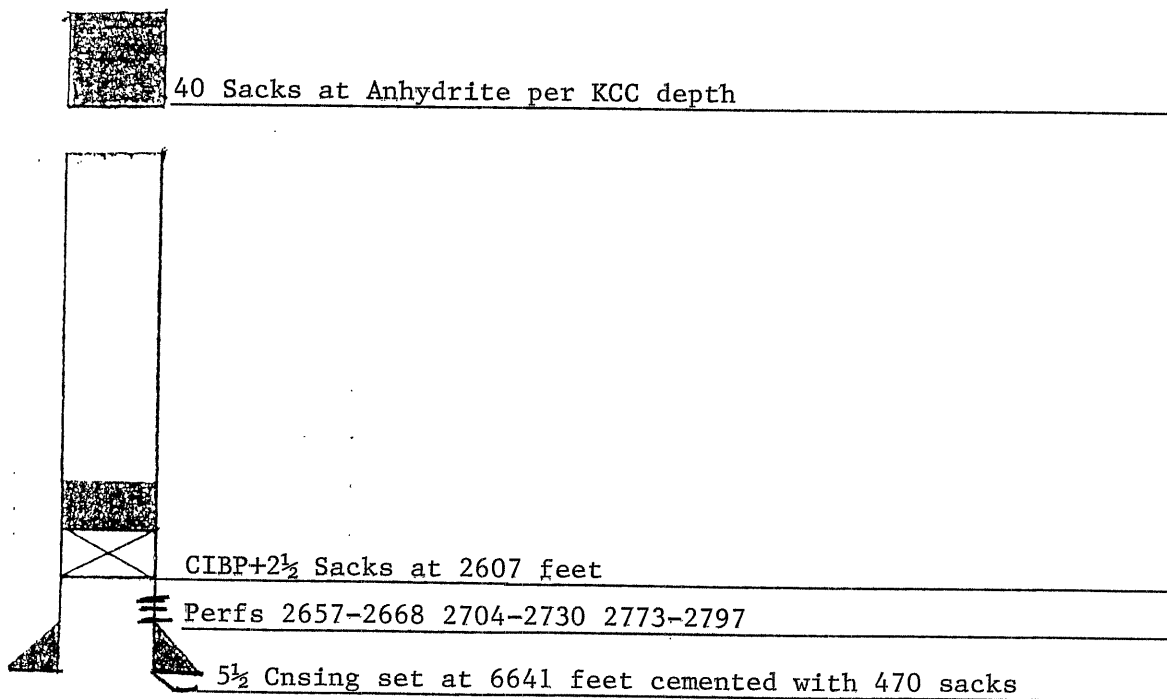
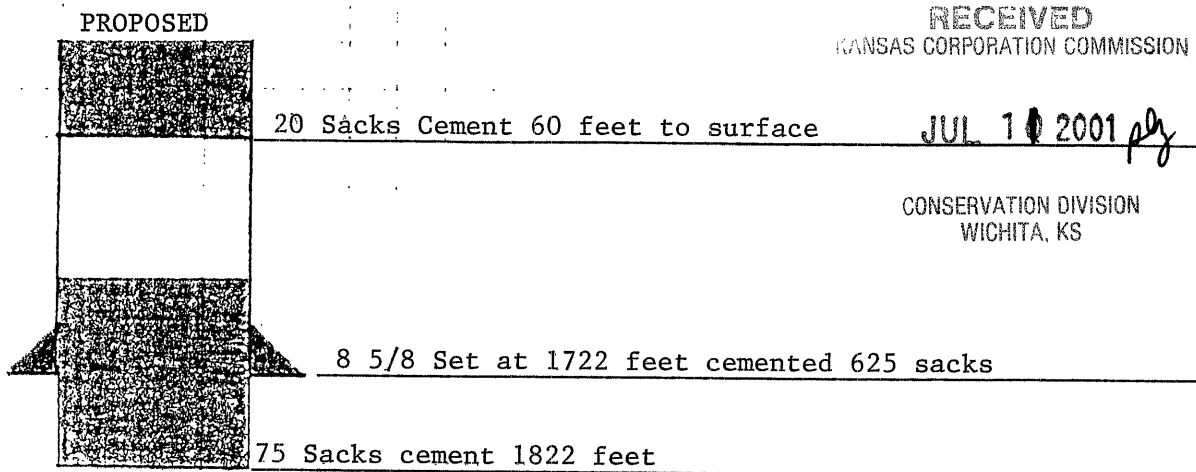
SUBJECT Stevens County Kansas

P&A

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T.D. 6650  
P.B.T.D. 4950