

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

Operator: License # 4742
Name Texaco, Inc. for Texaco Prod. Inc.
Address Box 2420
City/State/Zip Tulsa, OK 74102

Purchaser KAW PIPELINE

Operator Contact Person N. E. Morton
Phone 918-560-6000

Contractor: License # 5107
Name H-30 Drilling, Inc.

Wellsite Geologist
Phone

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
11-21-87 11-26-87 12/23/87
Spud Date Date Reached TD Completion Date
3597' 3580'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 388 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1237 feet
If alternate 2 completion, cement circulated from 1237 feet depth to Surf. 600' x cmt
Cement Company Name Halliburton
Invoice #

API NO. 15-147-20,504 -00-00
County Phillips
NW Sec. 23 Twp. 5S Rge. 20 East West

4220 Ft North from Southeast Corner of Section
4880 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

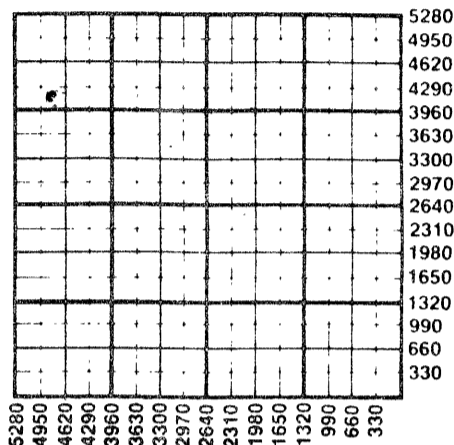
Lease Name B. O. Graham Well # 15

Field Name Hansen

Producing Formation Arbuckle & Lansing-KC

Elevation: Ground 2127' KB 2132'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #
 Groundwater.....Ft North from Southeast Corner (Well)Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water.....Ft North from Southeast Corner (Stream,pond etc).....Ft West from Southeast Corner Sec Twp Rge East West
 Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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 John K. Hamby
Title Dist. Comm. Engr. Date 1/18/88

Subscribed and sworn to before me this 18th day of January 1988.
Notary Public Elizabeth A. Legg
Date Commission Expires July 21, 1991

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 RECEIVED Plug Other
(Specify)
JAN 20 1988
01-20-1988

Sec 23 Twp. 5 Rge 20W

SIDE TWO

Operator Name Texaco, Inc. Lease Name..... B. O. Graham Well #..... 15

Sec..... 23 Twp..... 5S Rge..... 20 East West County..... Phillips

WELL LOG

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Shells and Sand	0	70'
Shale and Sand	70'	1,616'
Anhydrite	1,616'	1,639'
Red Bed	1,639'	1,817'
Shale	1,817'	2,680'
Shale and Lime	2,680'	3,458'
Lime	3,458'	3,597'
Rotary Total Depth		3,597'

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	Size Casing	Weight	Setting	Type of	#Sacks	Type and Percent
	Drilled	Set (in O.D.)	Lbs/Ft.	Depth	Cement	Used	Additives
Surface	12-1/4"	8-5/8"	32#	388'	Common	270	2% cc 1/4# flosal
Production	7-7/8"	5-1/2"	15.5#	3596'	50/50 Poz	190	10% salt .04% CRF2
			2nd stage		Lite	200	1/4# flosal
			* DV tool @ 1237'		50/50 Poz	400	10% salt .04% CRF2
							1/4# flosal
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
2 JPF	3491-3573			4100 gals 15% NEA			
2 JPF	3230-3397			3200 gals 15% NEA			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size		Set At	Packer at				
2-7/8"		3578'					
Date of First Production		Producing Method					
12-20-87		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
72			trace	625	TSTM	29.0 @ 60	
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 3491-3573
 Used on Lease Dually Completed 3230-3397
 Commingled