

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 # 5415 name Tenneco Oil Company address 139 Ciudad Bldg. City/State/Zip Oklahoma City, OK

Operator Contact Person Lea Mullican Phone (405) 848-8551

Contractor: license #5107 name H-30, Inc.

Wellsite Geologist Phone

Designate Type of Completion [X] New Well [] Re-Entry [] Workover [] Oil [X] 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: [X] Mud Rotary [] Air Rotary [] Cable 6-7-84 6-18-84 6-19-84 Spud Date Date Reached TD Completion Date

4635' 4586' Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 474' feet

Multiple Stage Cementing Collar Used? [] Yes [X] No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-151-21,443-6000

County Pratt

NE SW NE Sec. 27 Twp. 26S. Rge. 15 West

1650 Ft North from Southeast Corner of Section 1650 Ft West from Southeast Corner of Section (Note: locate well in section plat below)

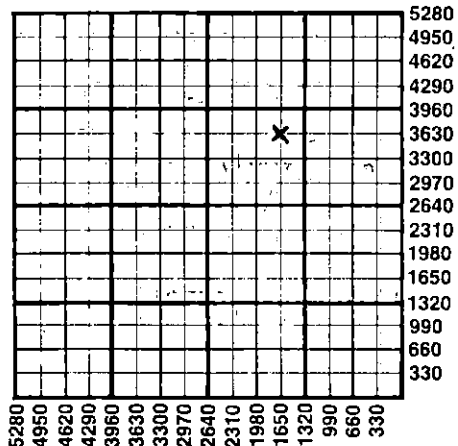
Lease Name Libby Well# 4-27

Field Name Tatlock East

Producing Formation Lansing/K.C. #1,#2,#5, & #11

Elevation: Ground 2043' KB N.A.

Section Plat



WATER SUPPLY INFORMATION

Source of Water: Not Applicable

Division of Water Resources Permit #

[] Groundwater Ft North From Southeast Corner and (Well) Ft. West From Southeast Corner of Sec Twp Rge [] East [] West

[] Surface Water Ft North From Southeast Corner and (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge [] East [] West

[] Other (explain) (purchased from city, R.W.D.#)

Disposition of Produced Water: [X] Disposal [] Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 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 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 [Signature] Title Production Analyst Date August 13 1984

Subscribed and sworn to before me this 13th day of August 1984

Notary Public [Signature] Date Commission Expires 5-7-85

RECEIVED 8-14-84 AUG 14 1984 STATE CORPORATION COMMISSION CONSERVATION DIVISION Wichita, Kansas

K.C.C. OFFICE USE ONLY F [] Letter of Confidentiality Attached C [] Wireline Log Received C [] Drillers Timelog Received Distribution [X] KCC [X] KGS [] SWD/Rep [] Plug [] NGPA [] Other (Specify)

Sec. 27 Twp. 26S. Rge. 15W

Operator Name Tenneco Oil & Gas Lease Name Libby Well# 4-27 SEC 27 TWP. 26S RGE. 15 East West

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input type="checkbox"/> Log <input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Name	Top	Bottom
Sand	0'	200'
Clay & shale	200'	280'
Sand	280'	382'
Sand & red bed	382'	475'
Red bed & shale	475'	1008'
Shale & lime	1008'	1900'
Lime & shale	1900'	3944'
Shale & lime	3944'	4000'
Lime & shale	4000'	4635'
Rotary total depth	4635'	

HEEBNER	3730'
TORONTO	3738'
DOUGLAS SHALE	3771'
BROWN LIMESTONE	3883'
LANSING	3908'
BASE OF KANSAS CITY	4326'
SIMPSON	4556'
SIMPSON SAND	4570'

PRODUCTION CASING (cont'd)
RFC cement 300 sxs, 1/4 sk of celloflake

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#	474'	50/50 poz	135	4% gel, 1/4% Cello, 5/10% TIC, 15% salt
PRODUCTION	7-7/8"	5-1/2"	15.5#	4633'	Class A DLW V-5	350	3% cc, 2% gel, 15% salt
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 s.p.f.	3913'-3941'			26000 gallons X-linked gel + 26660 lbs. 20/40 and 12/20 sand.			
	4060'-4070'			2000 gallons 20% MSR-100			
	4180'-4200'			3350 gallons MSR-100 + 90 balls			
TUBING RECORD				Liner Run			
size 2 7/8" set at 3966' packer at				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
August 10, 1984							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	0 Bbls	0 MCF	14 Bbls		CFPB		

Disposition of gas: vented sold used on lease None Produced

METHOD OF COMPLETION: open hole perforation other (specify)

PRODUCTION INTERVAL: 3913' - 4200'

Dually Completed. Commingled