

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 # 8653
name Petroleum Technologies, Inc.
address 4005 E. Kellogg
City/State/Zip Wichita, KS 67218

Operator Contact Person N. David Urquhart
Phone 316-687-9963

Contractor: license # 5888
name Leben Drilling Co.

Wellsite Geologist David Barker
Phone 316-687-9963

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

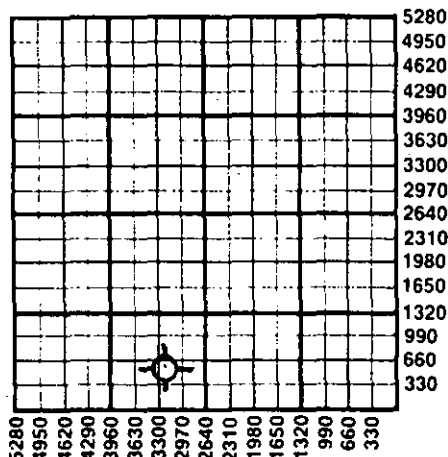
Drilling Method: Mud Rotary Air Rotary Cable
7-2-84 7-9-84 7-9-84
Spud Date Date Reached TD Completion Date
3110' Ø
Total Depth PBD
Amount of Surface Pipe Set and Cemented at 810' feet
Multiple Stage Cementing Collar Used? Yes No
If Yes, Show Depth Set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-007-21,835-0000
County Barber
C SE SW Sec 3 Twp 31 Rge 14 East West
(location)

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

Lease Name Nittler Well# 3-4
Field Name
Producing Formation N/A
Elevation: Ground 1709 KB 1718

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner and 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: 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 Managing Partner Date 7/19/84

Subscribed and sworn to before me this 19 day of July 19 84
Notary Public [Signature] Date Commission Expires 11-2-86

RECEIVED STATE CORPORATION COMMISSION JUL 24 1984 7-24-84 CONSERVATION DIVISION Wichita, Kansas

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)

My Appointment Expires: 11-2-86
NOTARY PUBLIC
MARVIN L. PORTER
State of Kansas

Form ACO-1
(This form supercedes previous forms ACO-1 & C-10)

Sec. 31 Rge. 14

SIDE TWO

Operator Name Petroleum Technologies, Inc. Lease Name Nittler Well# 3-4 SEC. 3 TWP. 31 RGE. 14

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

Formation Description
 Log Sample

DST #1
 Time 30-60-30-45
 1st opening: strong blow off of bottom of bucket in 30 sec. No gas to surface.
 2nd opening: strong blow off of bottom of bucket immediately. No gas to surface
 Rec: 150' mud, 420' water

Name	Top	Bottom
Indian Cave	2767	-1049
Wabaunsee	2826	-1108
Tarkio	2956	-1238
Emporia	3064	-1346

Interval	IHSP	FHSP	ISIP	FIP	FFP	BHT
2754-86	1267	1053	1073-1053	39-196	215-303	100°

DST #2
 Time 30-60-15-30
 1st opening: very weak blow 1/8". Bucket died in 10 min.
 2nd opening: No blow.
 Rec: none

Interval	IHSP	FHSP	ISIP	FIP	FFP
3057-3078	1461	1461	40-20	20-20	20-20

CASING RECORD <input 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		8 5/8"	#24	810'	light common	225	
Plug				50 sx. @ 860' 15 sx. in RH	40 sx. @ 300' 15 sx. in MH POZ.	200 10 sx. top 40'	3% cc 3% cc-2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing method <input type="checkbox"/> flowing <input 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	
	Bbls	MCF	Bbls	CFPB			

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify) Dually Completed. Commingled.

PRODUCTION INTERVAL