

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 # 5242
name Petroleum Management, Inc.
address 400 N. Woodlawn, Suite 201
City/State/Zip Wichita, Ks. 67208

Operator Contact Person Dale Silcott
Phone 316-686-7287

Contractor: license # 5302
name Red Tiger Drilling Company

Wellsite Geologist R. Gregory Williams
Phone 686-7287
PURCHASER Koch Oil Co.

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

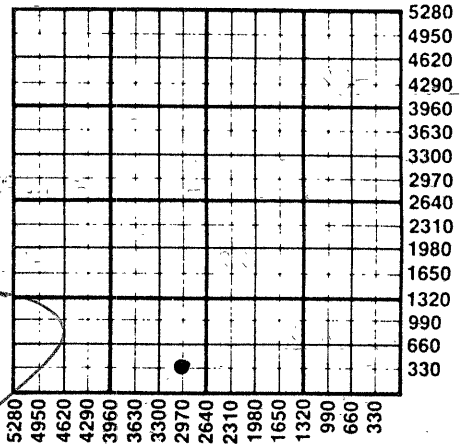
Drilling Method: Mud Rotary Air Rotary Cable
7-23-84 7-30-84 8-15-84
Spud Date Date Reached TD Completion Date
3519' PBD
Total Depth
Amount of Surface Pipe Set and Cemented at 360 feet
Multiple Stage Cementing Collar Used? Yes No
If Yes, Show Depth Set 1622 feet

alternate 2 completion, cement circulated
from 1622 feet depth to surface w/ 365 SX cmt

API NO. 15 - 163-22,426-00-00
County Rooks
SE/4 SE/4 SW/4 Sec 6 Twp 6S Rge 20 East
(location)
330 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Wallgren Well# 4
Field Name RAY
Producing Formation Arbuckle
Elevation: Ground 2121' KB 2126'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
JAN 30 1985
1-30-85

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # T84-417
 Groundwater... Ft North From Southeast Corner and
(Well) ... Ft. West From Southeast Corner of
Sec Twp Rge East West
 Surface Water... 660 Ft North From Southeast Corner and
(Stream, Pond etc.)... 990 Ft West From Southeast Corner
Sec 6 Twp 6 Rge 20 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 Bonnie Brown
Title Administrative Assistant Date 1/26/85

Subscribed and sworn to before me this 26th day of January 19 85

Notary Public JANE AUGUSTINE
Date Commission Expires NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 3-22-87

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)

Sec 6 Twp 6S Rge 20E

SIDE TWO

Operator Name Petroleum Management, Inc Lease Name Wallgren Well# 4 SEC 6 TWP 6S RGE 20 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 3066-3090'

Open 45 min with weak increasing blow. Closed 45 min.
 Open 45 min with weak blow. Closed 45 min. Recovered 80 ft. of muddy water.
 IFP 66-81 psi FFP 99-110
 ISIP 1047 FSIP 1006

Name	Top	Bottom
Base Ft. Hays	287'	
Stone Corral	1618'	
Base Stone Corral	1649'	
Topeka	3016'	
Deer Creek	3074'	
Oread	3179'	
Heebner	3228'	
Toronto	3250'	
Lansing	3267'	
Base Kansas City	3460'	
Marmaton	3484'	
Granite	3506'	
RTD	3519'	

DST #2 3177-3200'

Open 45 min with weak increasing blow. Closed 45 min.
 Open 45 min with weak increasing blow. Closed 45 min.
 Recovered 260 ft. of oil-spotted muddy water.
 IFP 71-99 psi FFP 146-170
 ISIP 1122 FSIP 1091

DST #3 3226-3262'

Open 45 min with weak increasing blow. Closed 45 min.
 Open 60 min with weak increasing blow. Closed 60 min.
 Recovered 60 ft. of gas and 125 ft. of gassy mud-cut oil.
 IFP 81-88 psi FFP 96-112
 ISIP 537 FSIP 527

DST #4 3258-3280'

Open 45 min with weak decreasing blow. Closed 45 min.
 Open 30 min with no blow. Closed 45 min. Recovered 30 ft. of rotary mud

CASING RECORD <input checked="" type="checkbox"/> new & <input checked="" 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 (used)	12 1/4"	8 5/8"	24#	360'	60/40 poz	250	2% gel/3% cc...
production (new)	7 7/8"	4 1/2"	10.5#	3516'	bottom stage common top stage H.L.C.	125 365	2% cc/2% gel... 1/4# floeal & 7# gilsonite per s...
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
	3252 - 3255'			1000 gal 15% NE w/15-N Chemical; 200# TIC-80 followed by 1000 gal 15% reg. acid w/N-15 Chemical			(3252-55'
	3270-3275'			250 gal MCA			(3270-75'
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
8-23-84		<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	
	21.0	---	14.0	--		39	
	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

1417 1 1A
 21414 1 1A
 2420 1 1A