

NEW ACO-1 FORM

SIDE ONE

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 # 9232 name Timberline Oil & Gas Corporation address 105 E. 8th Pratt City-State-Zip Kansas 67124

Operator Contact Person Brant Grote Phone (316) 672-9476

Contractor: license # 5138 name Cougar Drilling Co., Inc.

Wellsite Geologist Roy Knapp Jr Phone Inland Purchasing

PURCHASER Inland Purchasing Designate Type of Completion X New Well Re-Entry Workover

X 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: X Mud Rotary Air Rotary Cable 7-15-86 7-21-86 7-30-86 Spud Date Date Reached TD Completion Date 4235 KB 4199' Total Depth PBDT 306KB Amount of Surface Pipe Set and Cemented at 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

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.

API NO. 15-151-21800-0000 County PRATT

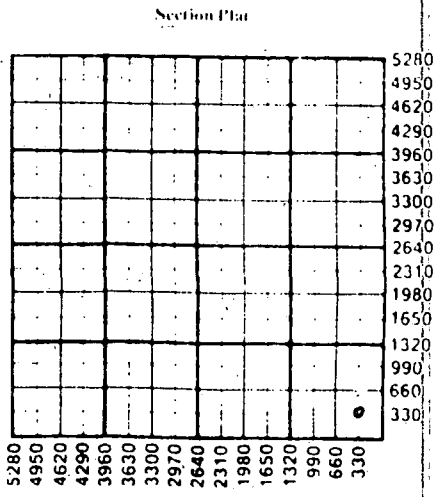
SE SE SE 21 26 120 SE Sec Twp Rge 330 Ft North from Southeast Corner of Sect 330 Ft West from Southeast Corner of Sect (Note: locate well in section plat below)

Lease Name Knop 'B' 3 Well #

Field Name Iuka Carmi

Producing Formation Viola

Elevation: Ground 4235 KB 4225



WATER SUPPLY INFORMATION

Source of Water: Division of Water Resources Permit # T-86-189 X Groundwater 3630 Ft North From Southeast Corner (Well) 990 Ft West From Southeast Corner Sec 28 Twp 265 Rge 12 East X West Surface Water Ft North From Southeast Corner an (Stream, Pond etc.) Ft West From Southeast Corn Sec Twp Rge East West Other (explain) (purchased from city, R.W.D.#)

Disposition of Produced Water: X Disposal Repressuring Docket #

Signature Brant Grote Title President Date 10-21-86 Notary Public Norma Kennedy Commission Expires December 21, 1986

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

15-151-21800-0000

SIDE TWO

Operator Name **Timberline Oil & Gas** Lease Name **Knop B** Well # **3** SEC. **21** TWP. **26** RGE. **12**

East
 West

County **Pratt**

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
Heebner	3495 KB	
Mississippi	4184 KB	
Viola	4146 KB	

RELEASED

NOV 17 1987

FROM CONFIDENTIAL

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 Production	12 1/4 7 7/8	8 5/8 5 1/2	23# 14#	306 KB 4232 KB	60/40 Poz	210 100	2% gel 5% oil 3% C.C. sonite 10 BB
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	4147'-79'			Acidize w/ 750 gal 15% HCl			
				Fract w/ 30,000# sand bbl crosslinked gelled KCl			4147'-79'
TUBING RECORD size 2 7/8" set at 4230 packer at -				Liner Run <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)						
7/30/86							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	80 Bbls	100 MCF	0 Bbls	1250 CFPB	42		

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION

open hole perforation
 other (specify) _____
 Dually Completed.
 Commingled

PRODUCTION INTERVAL

4147'-79'

15-151-21800-0000



555 N. Woodlawn
Suite 114
Wichita, Kansas 67208
Phone 316 - 685-7677

WELL LOG

OPERATOR: TIMBERLINE OIL & GAS CORPORATION
105 E. 8th
Pratt, Kansas 67124

LEASE: Knop "B" 3

LOCATION: SE SE SE Sec, 21-26-12-W Pratt County, Kansas

COMMENCED: 7-15-86
COMPLETED: 7-21-86

Rotary Total Depth: 4235 KB

FORMATION DESCRIPTION	TOP	BOTTOM
Soil, Sand & Clay	0	234
Red Beds	234	730
ANhydrite	730	751
Red Beds & Shale	751	1760
Shale & Lime	1760	3020
Lime and Shale	3020	3250
Shale and Lime	3250	3680
Lime and Shale	3680	3980
Shale and Lime	3980	4095
Lime ,Shale & Chert	4095	4235 RTD

RECEIVED
TIMBERLINE OIL & GAS CORP.
LEASING DIV. WICHITA, KS

OCT 21 1986
10-21-86

RELEASED

NOV 17 1987

FROM CONFIDENTIAL