

AFFIDAVIT AND COMPLETION FORM

ACO-1

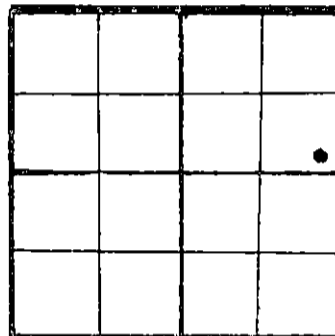
This form must be filed in triplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within five days after the completion of the well, regardless of how the well was completed. Circle one: Oil, gas, dry, SWD, OWWO, injection. Please type. Complete ALL sections. Applications must be filed for dual completion, commingling, salt water disposal and injection. Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.) KCC#-(316) 263-3238.

OPERATOR Imperial Oil Company API NO. 15-047-20,938-0000  
 ADDRESS 720 Fourth Financial Center COUNTY Edwards  
Wichita, Kansas 67202 FIELD W.C. WAC SW  
 \*\*CONTACT PERSON Kathy Carter LEASE KNUDSON  
 PHONE 263-5205

PURCHASER The Permian Corporation WELL NO. 1-22  
 ADDRESS P. O. Box 1183 WELL LOCATION C SE SE NE  
Houston, Texas 77001 330 Ft. from East Line and  
2310 Ft. from North Line of  
the NE/4 SEC. 22 TWP. 24S RGE. 18W

DRILLING CONTRACTOR White & Ellis Drilling, Inc.  
 ADDRESS 401 E. Douglas, Suite 500  
Wichita, Kansas 67202

PLUGGING CONTRACTOR \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 TOTAL DEPTH RTD 4513' PBTD 4490'  
 SPUD DATE 9/24/81 DATE COMPLETED 10/30/81  
 ELEV: GR 2148 DF KB 2153



WELL PLAT  
 (Quarter) or (Full) Section - Please indicate.

KCC ✓  
 KGS ✓  
 Paul ✓

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS  
 Report of all strings set — surface, intermediate, production, etc. (New)/(Used) casing.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8 5/8"		611'	Common	300	2% gel, 3% CC
Production		4 1/2"		4499'	Lite Poz	75 125	18% salt

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	J	4447-49'
TUBING RECORD			4	J	4451-56'
Size	Setting depth	Packer set at	4	J	4460-64'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD	
Amount and kind of material used	Depth interval treated
250 gals. 15% NE and 750 gals. 7 1/2% NE dropping 25 ball sealers	4447-49', 4451-56' & 64'
Frac'd w/13,000 gals. 80% quality foam & 3000# 20/40 sand	" " "

TEST DATE:		PRODUCTION	
Date of first production	Producing method (flowing, pumping, gas lift, etc.)	A.P.I. Gravity	
10/30/81	Flowing		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Gas-oil ratio
	100 bbls.	200 MCF	
Disposition of gas (vented, used on lease or sold)		Producing interval(s)	
to be sold		Cherokee 4447-49', 4451-56' & 4460-64'	

\*\* The person who can be reached by phone regarding any questions concerning this information.  
 A witnessed initial test by the Commission is required if the well produces more than 25 BOPD or is located in a Basic Order Pool.

11-13-81

RECEIVED  
 CONSERVATION DIVISION  
 Wichita, Kansas

Name of lowest fresh water producing stratum \_\_\_\_\_ Depth \_\_\_\_\_  
 Estimated height of cement behind pipe \_\_\_\_\_

**WELL LOG**

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1 4460-75' 60/120/120/60 GTS/35", ga. 44 MCF. Rec. 1020' CGO, 120' O&GCM IFP: 111-250# ISIP: 1402# FFP: 296-445# FSIP: 2293#  DST #2 4476-92' 60/120/60/120 GTS/15", ga. 530 MCF, stab. @ 225 MCF 2nd open. Rec. 65' SO&GCM IFP: 111-92# ISIP: 1386# FFP: 92-46# FSIP: 1386#  DST #3 4490-4502' 60/120/60/120 Rec. 60' mud, 120' HO&GCM, 190' SW IFP: Plugged ISIP: 1255# FFP: 130-167# FSIP: 1181#			<u>E-Log Tops</u>	
			Heebner	3822 (-1669)
			Toronto	3840 (-1687)
			Douglas	3852 (-1699)
			Brown Lime	3940 (-1787)
			Lansing	3949 (-1796)
			B/KC	4294 (-2141)
			Marmaton	4315 (-2162)
			Marmaton Zone	4329 (-2176)
		Cherokee	4412 (-2259)	
		1st Cher. Sd.	4451 (-2298)	
		2nd Cher. Sd.	4460 (-2307)	
		Mississippi	4476 (-2323)	
		LTD	4481 (-2358)	

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

**A F F I D A V I T**

STATE OF KANSAS, COUNTY OF SEDGWICK SS,

Dennis Vrooman OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH, DEPOSES AND SAYS:

THAT HE IS Petroleum Engineer FOR Imperial Oil Company OPERATOR OF THE KNUDSON LEASE, AND IS DULY AUTHORIZED TO MAKE THIS AFFIDAVIT FOR AND ON BEHALF OF SAID OPERATOR, THAT WELL NO. 1-22 ON SAID LEASE HAS BEEN COMPLETED AS OF THE 30th DAY OF October 19 81, AND THAT ALL INFORMATION ENTERED HEREIN WITH RESPECT TO SAID WELL IS TRUE AND CORRECT.

FURTHER AFFIANT SAITH NOT.

(S) Dennis Vrooman

SUBSCRIBED AND SWORN TO BEFORE ME THIS 12th DAY OF November 19 81

**KATHLEEN L. CARTER**  
 STATE NOTARY PUBLIC  
 SEDGWICK COUNTY, KANSAS  
 MY APPT. EXPIRES 10-1-82

Kathleen L. Carter  
 NOTARY PUBLIC

MY COMMISSION EXPIRES: \_\_\_\_\_

Physical Productivity Report to THE STATE CORPORATION COMMISSION, Conservation Division, 212 N. Market, Wichita, Kansas

Imperial Oil Co. Knudson 1-22 WAC SW Edwards Cherokee Permian  
 Producer's Name Lease Name Well No. Pool County Producing Horizon Pipe Line (Purchaser)

Taken 12-3 1981 Effective 12-4 1981 Sec. 22 Twp. 24 R. 18 E W  
 Month Day Year Month Day Year

Tank No.	Size	Oil Level		B. S. & W.		Barrels	Oil Level		B. S. & W.		Barrels
		Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.	
91360	250	18				33.46	10	10 1/2			217.78
						33.46					184.32

Well Data  
 Top Prod. Horizon 4447 Ft. Total Depth 5000 PB4490  
 Perforations 4447 to 4449 - 4451 - 56 - 4460 64  
 Size of Casing 4 1/2 Set at 4499 Ft.  
 Size of Tubing 2 Set at 4445 Ft.  
 Size of Pump Flowing 14/64 ~~1 1/2~~ Choke Type  
 Gravity of Oil 37.6 Temp. 86°  
 Percentage of Water Acid 1000 gal. Date 10-26-81  
 Free Nit level 9000 scf  
 260,000 lbs

Total Bbls. Produced = 184 X 3 = Productivity.

REMARKS:

SEALS and USES:  
 WITNESSING: We, the undersigned, personally witnessed the gauging periods as indicated by our signatures, and certify that they were taken according to the Commission's Rules.

Gauge Witnesses	Opening Gauge	Closing Gauge
For Producer	<i>Wm</i>	<i>Jim</i>
For Offset Owner		
For State	<i>Albert P. Larker</i>	

Test Data  
 Temporary  Permanent  Field  Special   
 Flowing  14/64 choke Swabbing  Pumping   
 Length of Stroke \_\_\_\_\_ In. S. P. M. \_\_\_\_\_  
 Pretest Information: @ SE-SE-NE

Hours pumped 247  
 Bbls. Produced \_\_\_\_\_  
 Tank Tables Used   
 Est. 1.67 (Bbls. per In.)  
 Checked by: \_\_\_\_\_

Well Location

Ft. From W. Line				
				Ft. From N. Line