

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.

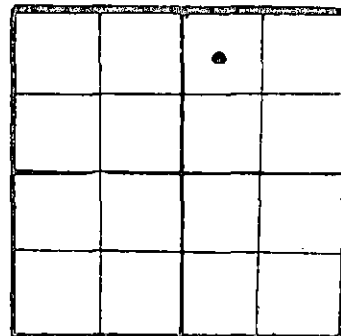
OPERATOR Imperial Oil Company
 ADDRESS 720 Fourth Financial Center
Wichita, Kansas 67202
 **CONTACT PERSON Kathy Carter
 PHONE 263-5205

API NO. 15-097-20,805-0000
 COUNTY Kiowa
 FIELD W.C. CARVER ROBBINS
 LEASE HOFF

PURCHASER The Permian Corporation
 ADDRESS P. O. Box 1183
Houston, Texas 77001

WELL NO. 3-13
 WELL LOCATION C NW NE
660 Ft. from North Line and
1980 Ft. from East Line of
the NE/4 SEC. 13 TWP. 27S RGE. 16W

DRILLING CONTRACTOR Landmark Energy Corporation
 ADDRESS P. O. Box 18595
Wichita, KS 67218



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

PLUGGING CONTRACTOR _____
 ADDRESS _____
 TOTAL DEPTH RTD 4597' PBD _____
 SPUD DATE 9/11/81 DATE COMPLETED 10/21/81
 ELEV: GR 2076 DF 2079 KB 2081

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

EFD 11/11/81

KCC
 KGS
 PLUG

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"		407'	Lite Common	150	3% CC
Production		5 1/2"		4616'	Lite 50/50 Poz	75 125	18% salt, 3/4% CFR
					<u>DEC</u> <u>31 @ 62 = 1922</u>		<u>N</u> <u>20 @ 62 = 1240</u> <u>JAN</u> <u>31 @ 62 = 1922</u> <u>3162</u>

LINER RECORD			PERFORATION RECORD	
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type
			4	
TUBING RECORD				
Size	Setting depth	Packer set at		

RECEIVED
 STATE CORPORATION COMMISSION
 NOV 16 1981
 CONSERVATION DIVISION
 Wichita, Kansas

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD	
Amount and kind of material used	Depth interval treated
750 gals. 7 1/2% MCA	4550-60'
Frac'd w/27,000 gals. Versagel, 20,000# 20/40 sand and 10,000# 10/20 sand	"

TEST DATE: _____ PRODUCTION			
Date of first production	Producing method (flowing, pumping, gas lift, etc.)	A.P.I. Gravity	
11/12/81	Flowing		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water
	50 bbls.	100 MCF	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)
to be sold			4550-60' Kinderhook

** 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.

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 4216-55' 60/90/60/90 Rec. 1465' SW IFP: 78-485# ISIP: 1522# FFP: 504-734# FSIP: 1522#			E-Log Tops	
			Heebner	3846 (-1765)
			Brown Lime	4004 (-1923)
			Lansing	4024 (-1943)
			B/KC	4358 (-2277)
			Marmaton	4422 (-2341)
			Cherokee Sh.	4482 (-2401)
			Mississippi	4500 (-2419)
			Kind. Shale	4523 (-2442)
			Kind. Sand	4548 (-2467)
			Kind. Chert	4556 (-2475)
			Viola	4569 (-2488)
			LTD	4595 (-2514)
DST #2 4375-4429' 60/90/60/90 Rec. 2100' FGO IFP: ? - 583# ISIP: 1378# FFP: 339-562# FSIP: 1340#				
DST #3 4468-4540' 60/90/60/90 Rec. 276' SGCM IFP: 194-194# ISIP: 514# FFP: 136-155# FSIP: 619#				
DST #4 4538-82' 60/90/60/90 Rec. 180' FGO, 120' HO&GCM GTS/75", ga. 5.64 MCF IFP: 49-107# ISIP: 1542# FFP: 87-145# FSIP: 1542#				

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 HOFF LEASE, AND IS DULY AUTHORIZED TO MAKE THIS AFFIDAVIT FOR AND ON BEHALF OF SAID OPERATOR, THAT WELL NO. 3-13 ON SAID LEASE HAS BEEN COMPLETED AS OF THE 12th DAY OF November 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 13th 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: _____