

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 # 9668  
name Imperial Oil and Gas, Inc.  
address 720 Fourth Financial Center  
City/State/Zip Wichita, KS 67202

Operator Contact Person Barbara Waitt  
Phone 316/263-5205

Contractor: license # 5380  
name Eagle Drilling

Wellsite Geologist Doug Davis  
Phone 316/264-7464

PURCHASER Permian Oil Corporation

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  
4/8/84 4/17/84 5/14/84  
Spud Date Date Reached TD Completion Date

5265 5265  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 643 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 - 025-20,793 -0000  
County Clark  
C NE NE SE Sec 5 Twp 31S Rge 21 West  
(location)  
2310 Ft North from Southeast Corner of Section  
330 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

Lease Name IMEL Well# 2-5  
Field Name Cavalry Granger Creek  
Producing Formation Mississippi  
Elevation: Ground 2263 KB 2276

Section Plat

Grid showing section plat with coordinates 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330.

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 10 1984  
CONSERVATION DIVISION  
Wichita, Kansas  
10-10-1984

WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit #  
 Groundwater Ft North From Southeast Corner and (Well) 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 Robert G. Gmeloch  
Title Vice President Date 10/9/84

Subscribed and sworn to before me this 9th day of October 1984  
Notary Public Barbara A. Waitt  
Date Commission Expires

BARBARA A. WAITT  
NOTARY PUBLIC  
STATE OF KANSAS  
APPT. EXPIRES 8-3-87

RECEIVED STATE CORPORATION COMMISSION K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Time Log Received  
CONSERVATION DIVISION Distribution  
Wichita, Kansas  
 KGS  SWD/Rep  NGPA  
 Plug  Other (Specify)

Sec 5 Twp 31 Rge 21 W

Operator Name Imperial Oil & Gas, Inc Lease Name IMEL Well# 2 SEC 5 TWP 31S RGE 21  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: 4290-4348 (Toronto) 60-120-60-120  
 IF 398-1152 ISIP 1488  
 FF 1172-1389 FSIP 1488  
 Recovered 360' muddy water and 2220' salt water.

DST #2: 5233-5265 (Miss.) 60-120-60-120  
 IF 109-229 ISIP 1212  
 FF 249-368 FSIP 1202  
 Recovered 1164' gas cut oil; 30 gravity at 70° F.

Name	Top	Bottom
Heebner	4316	(-2040)
Toronto	4333	(-2057)
Brn. Limestone	4504	(-2228)
Lansing	4530	(-2254)
Base Kansas City	4979	(-2703)
Marmaton	4997	(-2721)
Huck Zone	5213	(-2937)
Mississippi	5226	(-2950)

CASING RECORD <input checked="" 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	12 1/4"	8 5/8"	24#	643'	Lite	225	3% cc, 1/2# flow seal
Production	7 7/8"	4 1/2"	10.5#	5251'	Common Lite Pozmix	150 75 125	3% cc, 2% gel, 1/4# flow seal 18% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
None	Open hole 5251 to 5265'			750 gallons 15% FE acid, 6000 gallons 20% NE acid and 6000 gallons gelled 2% KCL			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
5/5/84		<input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain) Swabbing					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas Ratio	Gravity	
28 Bbls		0 MCF	0 Bbls				

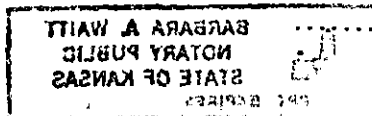
Disposition of gas:  vented  
 sold  
 used on lease

METHOD OF COMPLETION  
 open hole  perforation  
 other (specify) .....

PRODUCTION INTERVAL

5251' - 5265'

Dually Completed  
 Commingled



RECEIVED  
 OPERATION COMMISSION  
 STATE OF KANSAS  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 CFPB

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

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 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

4/8/84 4/17/84 5/14/84  
Spud Date Date Reached TD Completion Date  
5265  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 643 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. 15-025-20,793-0000

County Clark

C. NE NE SE Sec 5 Twp 31S Rge 21 West

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

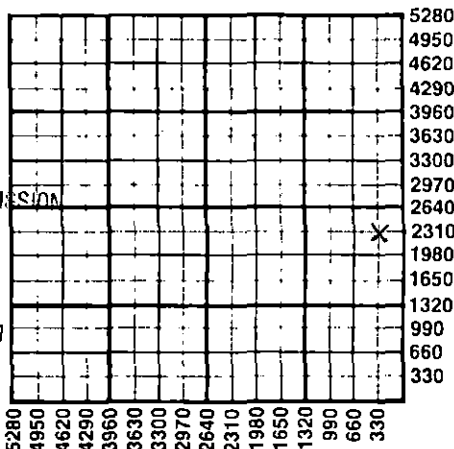
Lease Name IMEL Well# 2-5

Field Name Granger Creek ext?

Producing Formation Mississippi

Elevation: Ground 2263 KB 2276

Section Plat



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STATE CORPORATION COMMISSION

OCT 10 1984

CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

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Division of Water Resources Permit #

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(Well) Ft. West From Southeast Corner of  
Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and  
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Signature Robert Spulock  
Title Vice President Date 10/9/84

Subscribed and sworn to before me this 9th day of October 1984

Notary Public Barbara A. Waitt  
Date Commission Expires

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



Sec 5 Twp 31 Rge 21

Operator Name Imperial Oil & Gas, Inc. Lease Name IMEL Well# 2 SEC 5 TWP 31S RGE 21  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.

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					Common	150	3% cc, 2% gal, 1/4# flow seal
Production		4 1/2"		5651'			
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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity	

Disposition of gas:  vented  
 sold  
 used on lease

METHOD OF COMPLETION  
 open hole  perforation  
 other (specify) .....

PRODUCTION INTERVAL

Dually Completed.  
 Commingled

