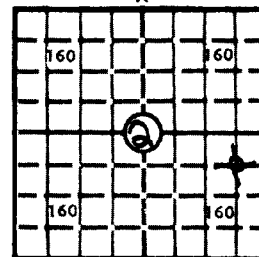


KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGAPI No. 15 — 057 — 20,210
County NumberState Oklahoma

S. 2 T. 27S R. 22W E W

Loc. C NE SECounty Ford640 Acres
N

Locate well correctly

Elev.: Gr. 2382DF 2387 KB 2387Operator Imperial Oil Company Wichita, KansasAddress 720 Fourth Financial Center, Wichita, KS 67202Well No. 1-2 Lease Name RANKINFootage Location 1980 feet from (N) (S) line 660 feet from (E) (W) linePrincipal Contractor White & Ellis Geologist Hal ClarkSpud Date 4/28/81 Date Completed 5/6/81 Total Depth RTD 5008 P.B.T.D.Directional Deviation NA Oil and/or Gas Purchaser

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

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"		617'		350	2% gel, 3% CC

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	MCF	bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator <i>Imperial Oil Company</i>		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:																											
Well No. <i>1-2</i>	Lease Name <i>RANKIN</i>		<i>Dry Hole</i>																										
S <u>2</u> T <u>27</u> S <u>R 22</u> W ^E _W																													
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.																											
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.																													
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">NAME</th> <th style="padding: 5px;">DEPTH</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="padding: 5px;"><i>E-Log Tops</i></td> </tr> <tr> <td style="padding: 5px;"><i>Heebner</i></td> <td style="padding: 5px;"><i>4134 (-1747)</i></td> </tr> <tr> <td style="padding: 5px;"><i>Lansing</i></td> <td style="padding: 5px;"><i>4264 (-1867)</i></td> </tr> <tr> <td style="padding: 5px;"><i>B/KC</i></td> <td style="padding: 5px;"><i>4684 (-2297)</i></td> </tr> <tr> <td style="padding: 5px;"><i>Marmaton</i></td> <td style="padding: 5px;"><i>4698 (-2311)</i></td> </tr> <tr> <td style="padding: 5px;"><i>Cherokee</i></td> <td style="padding: 5px;"><i>4819 (-2432)</i></td> </tr> <tr> <td style="padding: 5px;"><i>Inola</i></td> <td style="padding: 5px;"><i>4899 (-2512)</i></td> </tr> <tr> <td style="padding: 5px;"><i>Morrow</i></td> <td style="padding: 5px;"><i>4902 (-2515)</i></td> </tr> <tr> <td style="padding: 5px;"><i>Morrow Sand</i></td> <td style="padding: 5px;"><i>4907 (-2520)</i></td> </tr> <tr> <td style="padding: 5px;"><i>Mississippi</i></td> <td style="padding: 5px;"><i>4930 (-2543)</i></td> </tr> <tr> <td style="padding: 5px;"><i>Miss. Dolo Ø</i></td> <td style="padding: 5px;"><i>4996 (-2609)</i></td> </tr> <tr> <td style="padding: 5px;"><i>LTD</i></td> <td style="padding: 5px;"><i>4999</i></td> </tr> </tbody> </table>	NAME	DEPTH	<i>E-Log Tops</i>		<i>Heebner</i>	<i>4134 (-1747)</i>	<i>Lansing</i>	<i>4264 (-1867)</i>	<i>B/KC</i>	<i>4684 (-2297)</i>	<i>Marmaton</i>	<i>4698 (-2311)</i>	<i>Cherokee</i>	<i>4819 (-2432)</i>	<i>Inola</i>	<i>4899 (-2512)</i>	<i>Morrow</i>	<i>4902 (-2515)</i>	<i>Morrow Sand</i>	<i>4907 (-2520)</i>	<i>Mississippi</i>	<i>4930 (-2543)</i>	<i>Miss. Dolo Ø</i>	<i>4996 (-2609)</i>	<i>LTD</i>	<i>4999</i>
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<i>DST #1 4888-4922' 45/90/45/90</i> <i>Rec. 20' mud.</i> <i>IFP: 61-61# ISIP: 61#</i> <i>FFP: 61-61# FSIP: 202#</i> <i>DST #2 4923-90' 60/120/180/120</i> <i>GTS/45", 69 MCF decr. to 5 MCF</i> <i>Rec. 425' QSGCM</i> <i>IFP: 132-162# ISIP: 1350#</i> <i>FFP: 132-192# FSIP: 1319#(invalid pressure)</i> <i>DST #3 4988-5008' 60/120/60/120</i> <i>Rec. 110' WCM, 910' SW</i> <i>IFP: 215-452# ISIP: 1558#</i> <i>FFP: 549-666# FSIP: 1558#</i>																													
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.																													
Date Received	 _____ Signature _____ Attorney-in-Fact _____ Title _____ May 14, 1981 Date																												

P2

DRILLERS LOG

State **2-27-22W**
Wichita Branch

OPERATOR: Imperial Oil Co. 720 4th Financial Center Wichita, Kansas 67202

CONTRACTOR: White & Ellis Drilling, Inc., Box 448, El Dorado, Kansas 67042

Lease Name Rankin Well No. #1-2

Sec. 2 T. 27 R. 22W Spot C NE SE

County _____ State Kansas Elevation _____

Casing Record:

Surface: 8 5/8 @ 606' with _____ Sxs.

Production: _____ @ _____ with _____ Sxs.

Type Well: D & A Total Depth 5008'

Drilling Commenced: 4-28-81 Drilling Completed 5-7-81

Formation	From	To	Tops
Cellar	0	7	
Shale	7	1802	
Lime, Shale	1802	2150	
Shale	2150	2610	
Lime, Shale	2610	3080	
Lime	3080	3362	
Lime, Shale	3362	3855	
Lime	3855	4163	
Lime, Shale	4163	4390	
Lime	4390	4783	
Lime, Shale	4783	4922	
Lime	4922	5008	

COMPLETION RECORD

Liner Record: Size _____ From _____ To _____

Cementing Record: _____ Sacks _____

Perforating Record: