

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-015-23,159-00-00

County Butler
Approx. N72° SW NW Sec. 3 Twp. 26 Rge. 3E ~~East~~ West

Operator: License # 5120
Name: Range Oil Company
Address 125 N. Market
Suite 1120
City/State/Zip Wichita, KS 67202

3680 Ft. North from Southeast Corner of Section
4680 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Purchaser: _____
Operator Contact Person: John Washburn
Phone (316) 265-6231

Lease Name Ray Well # 1
Field Name _____

Contractor: Name: Red Tiger Drilling
License: 5302
Wellsite Geologist: Rob Dietterich

Producing Formation _____
Elevation: Ground 1286 KB 1291
Total Depth 2753 PBTD None

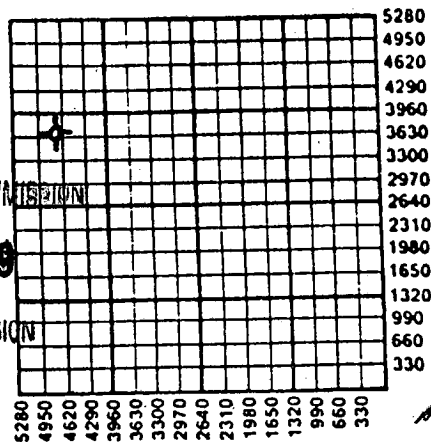
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

RECEIVED
STATE CORPORATION COMMISSION

NEW = 6 1989

12-6-89

CONSERVATION DIVISION
Wichita, Kansas



11-1 DVA

If OWMO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Amount of Surface Pipe Set and Cemented at 208 Feet

Multiple Stage Cementing Collar Used? _____ Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Method:
 Mud Rotary Air Rotary Cable
11-13-89 11-21-89 11-21-89
Spud Date Date Reached TD Completion Date

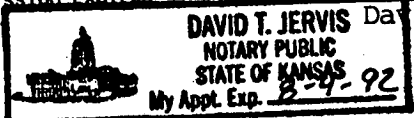
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 John M. Washburn
Title Vice President John M. Washburn Date 12-5-89

Subscribed and sworn to before me this 5th day of December, 19 89.

Notary Public _____
Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
2

SIDE TWO

Operator Name Range Oil Company Lease Name Ray Well # 1
 Sec. 3 Twp. 26 Rge. 3E East West
 County Butler

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.) DST #1 - 2723'-2738', 30-30-60-60. Blow; strong. Rec: 60' FIP + 5" FO + 110' GCMW + 480' GCSW (56,000ppm). IFP 81-132. ISIP 730. FFP 213-304. FSIP 730. T: 110 F.	<p align="center">Formation Description</p> <p align="center"><input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Bottom</th> </tr> </thead> <tbody> <tr><td>Lansing</td><td>1954'</td><td>(-663')</td></tr> <tr><td>Base Lansing</td><td>2100'</td><td>(-809')</td></tr> <tr><td>Kansas City</td><td>2245'</td><td>(-954')</td></tr> <tr><td>Base Kansas City</td><td>2406'</td><td>(-1115')</td></tr> <tr><td>Marmaton</td><td>2480'</td><td>(-1189')</td></tr> <tr><td>Cherokee</td><td>2635'</td><td>(-1344')</td></tr> <tr><td>Conglomerate</td><td>2682'</td><td>(-1391')</td></tr> <tr><td>Mississippiian</td><td>2691'</td><td>(-1400')</td></tr> <tr><td>Miss.-Osage</td><td>2733'</td><td>(-1442')</td></tr> <tr><td>RTD</td><td>2753'</td><td>(-1462')</td></tr> </tbody> </table>	Name	Top	Bottom	Lansing	1954'	(-663')	Base Lansing	2100'	(-809')	Kansas City	2245'	(-954')	Base Kansas City	2406'	(-1115')	Marmaton	2480'	(-1189')	Cherokee	2635'	(-1344')	Conglomerate	2682'	(-1391')	Mississippiian	2691'	(-1400')	Miss.-Osage	2733'	(-1442')	RTD	2753'	(-1462')
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CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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 Casing	11	8 5/8	23	208	Common	85	3% CaCl
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			
	Size	Set At	Packer At				
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 Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

