

SIDE ONE

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

Operator: License # 5046
Name: Raymond Oil Company, Inc.
Address P. O. Box 48788
Wichita, KS 67201

Purchaser: N/A
Operator Contact Person: Patrick Raymond
Phone (316) 267-4214

Contractor: Name: Murfin Drilling Company
License: 6033

Wellsite Geologist: Clarke D. Sandberg

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

If OWO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

11-24-89 12-01-89 12-02-89
Spud Date Date Reached TD Completion Date

API NO. 15- 193-20,490 -0000

County Thomas

N/2 NE SE Sec. 26 Twp. 9S Rge. 32W East West

2310 Ft. North from Southeast Corner of Section

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

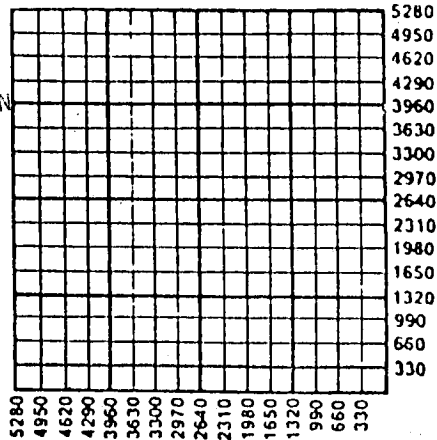
Lease Name Howard Trust Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 3041 KB 3046

Total Depth 4700 PBDT _____



Amount of Surface Pipe Set and Cemented at 260 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx amt.

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4-23-90
APR 23 1990
CONSERVATION DIVISION
Wichita, Kansas

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.

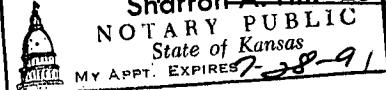
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Clarke T. Sandberg
Title Geologist Date 3-14-90

Subscribed and sworn to before me this 14th day of March, 19 90.

Notary Public Sharron A. Hill

Date Commission Expires Sharron A. Hill-28-91



ORIGINAL

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

SIDE TWO

Operator Name Raymond Oil Company, Inc. Lease Name Howard Trust Well # #1
 Sec. 26 Twp. 9S Rge. 32W East County Thomas County, Kansas
 West

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>2617</td><td>+ 429</td></tr> <tr><td>B/Anhydrite</td><td>2647</td><td>+ 399</td></tr> <tr><td>Topeka</td><td>3812</td><td>- 766</td></tr> <tr><td>Heebner</td><td>4024</td><td>- 978</td></tr> <tr><td>Lansing</td><td>4064</td><td>-1018</td></tr> <tr><td>Stark</td><td>4274</td><td>-1228</td></tr> <tr><td>B/Kansas City</td><td>4338</td><td>-1292</td></tr> <tr><td>Pawnee</td><td>4469</td><td>-1423</td></tr> <tr><td>Lower Cherokee</td><td>4560</td><td>-1514</td></tr> <tr><td>Mississippi</td><td>4640</td><td>-1594</td></tr> <tr><td>New RTD</td><td>4700</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	2617	+ 429	B/Anhydrite	2647	+ 399	Topeka	3812	- 766	Heebner	4024	- 978	Lansing	4064	-1018	Stark	4274	-1228	B/Kansas City	4338	-1292	Pawnee	4469	-1423	Lower Cherokee	4560	-1514	Mississippi	4640	-1594	New RTD	4700	
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CASING RECORD New Used RTD

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"		260'	60/40 Poz	175	3% cc, 2% gel

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size N/A Set At _____ Packer At _____ Liner Run Yes No

Date of First Production N/A - D&A Producing Method Flowing Pumping Gas Lift 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) D&A

Production Interval _____

144000

15-193-20490-0000

DST #1 4225-4280 (160 & 180 zones) 30-45-30-45
1st open - fair blo - built to btm of bucket in 18", 2nd
open - fair blo - built to 6". Recd 240' MCWCO (50% O,
45% M, 5% W), Gravity 36 degrees +/-, 180' OCM (5% O,
95% M) & 180' OCMW (10% O, 60% M, 30% W) - 600' TF
(147' O, 381' M & 72'W). Chl 36,000, System 22,000.
IHP 2178#, IFP 66-201#, ISIP 722#, FFP 234-285#,
FSIP 722#, FHP 2138#. BHT 136 degrees.

DST #2 4541'-4614' (Johnson zone). Pkrs did not set on 2
attempts. Mis-run.

DST #3 4224'-4268' (180' Straddle) 60-60-60-60 - 1st open
good blo bldg to btm of bucket in 17", then decreasing to
8" by end of flo. 2nd open - no blo. Recd 809' M/w scum
oil (oil less than 2%). IFP 58-401#, FFP 413-413#, ISIP
730#, FSIP 730#. BHT 128 degrees.

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