

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5046
Name: Raymond Oil Company, Inc.
Address: P.O. Box 48788
City/State/Zip: Wichita KS 67201-8788
Purchaser: _____
Operator Contact Person: Clarke Sandberg
Phone: (316) 267-4218
Contractor: Name: _____
License: _____
Wellsite Geologist: _____

Designate Type of Completion:
____ New Well Re-Entry ____ Workover
____ Oil ____ SWD ____ SLOW ____ Temp. Abd.
____ Gas ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: Raymond Oil Company, Inc.

Well Name: Engelhardt #1
Original Comp. Date: 1-2-88 Original Total Depth: 4700'
____ Deepening ____ Re-perf. Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No. _____
____ Dual Completion Docket No. _____
____ Other (SWD or Enhr.?) Docket No. _____

October 16, 2002 October 18, 2002
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-193-20452
County: Thomas
C SE SE Sec. 25 Twp. 9 S. R. 32 East West
660 feet from S / N (circle one) Line of Section
650 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Engelhardt Well #: 1
Field Name: OHL SE
Producing Formation: Hertha
Elevation: Ground: 3059 Kelly Bushing: 3064
Total Depth: 4700 Plug Back Total Depth: 4425
Amount of Surface Pipe Set and Cemented at 372 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 2657
feet depth to surface w/ 450 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report 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.

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: as [Signature]
Title: President Date: November 27, 2002
Subscribed and sworn to before me this 27th day of November,
2002.
Notary Public: Sheila Croninger
Date Commission Expires: August 7, 2004

KCC Office Use ONLY
____ Letter of Confidentiality Attached
If Denied, Yes Date: _____
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

**SHEILA CRONINGER
NOTARY PUBLIC**

Operator Name: Raymond Oil Company, Inc. Lease Name: Engelhardt Well #: 1
 Sec. 25 Twp. 9 S. R. 32 East West County: Thomas

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes No Cores Taken Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes No <i>(Submit Copy)</i> List All E. Logs Run: Correlation Cement Top Log sent in with Form U-1	<table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Log Name</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample Datum</th> </tr> <tr> <td>B. Anhydrite</td> <td>2661</td> <td></td> </tr> <tr> <td>Topeka</td> <td>3832</td> <td></td> </tr> <tr> <td>Heebner</td> <td>4044</td> <td></td> </tr> <tr> <td>Lansing</td> <td>4085</td> <td></td> </tr> <tr> <td>Stark Shale</td> <td>4297</td> <td></td> </tr> <tr> <td>B. Kansas City</td> <td>4361</td> <td></td> </tr> <tr> <td>Cherokee Shale</td> <td>4585</td> <td></td> </tr> <tr> <td>Miss.</td> <td>4669</td> <td></td> </tr> <tr> <td>LTD</td> <td>4698</td> <td></td> </tr> </table>	Log Name	Formation (Top), Depth and Datum	Sample Datum	B. Anhydrite	2661		Topeka	3832		Heebner	4044		Lansing	4085		Stark Shale	4297		B. Kansas City	4361		Cherokee Shale	4585		Miss.	4669		LTD	4698	
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CASING RECORD <input checked="" type="checkbox"/> New 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"	20#	372'	60-40 Poz	250	2% gel, 3% cc
Production	7 7/8"	5 1/2"	14#	4463.79	60-40 Poz	200	7 1/2% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
2	4342' - 4348' (old perms)	250 gals. mud acid	4348'

TUBING RECORD		Size	Set At	Packer At	Liner Run	
		2"	4422.68'	none	Yes	<input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			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 **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
(If vented, Sumit ACO-18.) Other (Specify) _____