

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

API NO. 15- 185-23063000

ORIGINAL

County Stafford County

SE - SE - SE - Sec. 10 Twp. 25S Rge. 11 xx ^E

330 Feet from (S) (circle one) Line of Section

330 Feet from (E) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Cravens Well # 1

Field Name Vogel Ext

Producing Formation Kansas City

Elevation: Ground 1797' KB 1805'

Total Depth 4050' PBTD 3700'

Amount of Surface Pipe Set and Cemented at 252 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Re-work, 4-30-99 U.C.
(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 Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 5046

Name: Raymond Oil Company, Inc.

Address P. O. Box 48788

City/State/zip Wichita, Kansas 67201

Purchaser: NCRA

Operator Contact Person: Pat Raymond

Phone (316) 267-4214

Contractor: Name: Classic Well Service

License: _____

Wellsite Geologist: Clarke Sandberg

Designate Type of Completion

____ New Well ____ Re-Entry X Workover

X Oil ____ SWP ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core; WSW, Expl., Cathodic, etc.)

If Workovers:

Operator: Raymond Oil Co.

Well Name: Cravens #1

Comp. Date 12-19-97 Old Total Depth 4050'

Deepening ____ Re-perf. ____ Conv. to Inj/SWD
X Plug Back 3700' PBTD
____ Commingled ____ Docket No. ____
____ Dual Completion ____ Docket No. ____
____ Other (SWD or Inj) ____ Docket No. ____

11-16-98 11-19-98 12-15-98
12-13-97 12-13-97 12-15-98
Spud Date of Workover Date Reached TD Completion Date

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 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 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 Pat Raymond
Title Vice President Date _____

Subscribed and sworn to before me this 16th day of April 19 99.

Notary Public Sharron A. Hill
Sharron A. Hill
Date Commission Expires July 28, 1999

K.C.C. OFFICE USE ONLY
F ____ Letter of Confidentiality Attached
C ____ Wireline Log Received
C ____ Geologist Report Received
Distribution
X KCC ____ SWD/Rep ____ NGA
____ KGS ____ Plug ____ Other
(Specify)

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STATE CORPORATION COMMISSION

Form ACO-1 (7-91)


Sharron A. Hill
NOTARY PUBLIC
State of Kansas
MY APPL. EXPIRES 7-28-99

APR 20 1999

CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Raymond Oil Company, Inc. Lease Name Cravens Well # 1

Sec. 10 Twp. 25S Rge. 11 East West
 County Stafford County, Kansas

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.
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:
 Borehole Compensated Sonic Log
 Dual Compensated Porosity
 Dual Induction Log

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attached sheet.

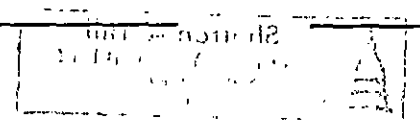
CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	20#	252'	60/40 poz	225	3%cc 2%gel
Production	7-7/8"	5-1/2"	14#	4048'	60/40 poz	280	

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3700			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2 SPF	BP @3700'	3610' - 3620'	500 gal 15% acid
		3572' - 3576'	500 gal 15% acid	
		3520' - 3526'	500 gal 15% acid	
		3470' - 3976'	500 gal 15% acid	

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2"	3699		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
11-20-98							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio Gravity
		4					

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____



Cravens "A" #1

330' FSL & 330' FEL (C SE/4 SE/4 SE/4)

Section 10-25S-11W,

Stafford County, Kansas

API No. 15-185-230630000

Drilling Contractor: Duke Drilling Co. - Rig #1

Elevation: 1794' GL 1802' KB

Geologist: Clarke Sandberg

TOPS

	<u>Log</u>	<u>Datum</u>
Stotler	2596	- 794
Tarkio	2662	- 860
Howard	2810	-1008
Topeka	2917	-1115
Heebner	3230	-1428
Douglas Sand	3299	-1497
Brown Lime	3396	-1594
Lansing	3423	-1621
"B" Zone Porosity	3454	-1652
Dennis	3602	-1800
Stark	3639	-1837
Swope	3642	-1840
Hertha	3674	-1872
B/Kansas City	3717	-1915
Kinderhook Shale	3784	-1982
Viola	3824	-2022
Viola Porosity	3850	-2048
Simpson Shale	3930	-2128
Simpson Sand	3941	-2139
Arbuckle	4002	-2200
RTD	4050	
LTD	4052	

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STATE OF KANSAS COMMISSION

APR 20 1966

CONSERVATION DIVISION
Wichita, Kansas

DST #1 2743-2820' 30-60-45-75. GTS 8" - stabilized @ 60 MCF. 2nd open - 1st 10" 120 MCF, 20" 85 MCF 30" 72 MCF. Rec. 80' DM - no wtr. IFP 105-76#, FFP 106-84#, ISIP 1027#, FSIP 1062#

DST #2 (B&C Zones) 3440'-3478' 30-60-45-75. 1st open strong blow to btm of bucket in 1" - GTS 50" into first SI. 2nd flow 10", rec. 9 MCF, 20" 8 MCF & stabilized. Recovered 100' SGCOM (5% G, 20% O, 75% M) IFP 26-30#, FFP 40-44#, ISIP 910#, FSIP 1075#.

DST #3 (G Zone) 3493'-3544' 30-45-30-45. 1st open strong blow to btm of bucket 1", 2nd open GTS immediately - 10" 8 MCF, 20" 10 MCF & stabilized Recovered 70' SG&OCM (10% G, 5% O, 85% M) IFP 74-65#, FFP 86-82#, ISIP 1075#, FSIP 945#.

DST #4 (H Zone & Dennis) 34-64'-3620' 30-60-45-75. 1st open btm of bucket in 1" - GTS 25" 14 MCF, 2nd flow - 10" 21 MCF, 20" 21 MCF, 30" 21 MCF, 40" 20 MCF, 45" 20 MCF. Recovered 75' VSO&GCM (5% gas, 2% O, 93% M) IFP 66-58#, FFP 64-64#, ISIP 1002#, FSIP 1230#.

DST #5 3749'-3880' 30-60-45-75. 1st open strong blow to btm of bucket in 1" GTS 5" - 1st open 10" 725 MCF, 20" 840 MCF, 30" 907 MCF 2nd open - 10" 907 MCF, 20" 951 MCF, 30" 973 MCF, 40" 994 MCF & 45" 1012 MCF. Recovered 300' SGCDM (5% G, 95% M) IFP 356-360#, FFP 370-370#, ISIP 670#, FSIP 658#.