

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

WELL NO. 15- 155-21264 - 0000

Operator: License # 5046

Name: Raymond Oil Company, Inc.

Address P.O. Box 48788

City/State/Zip Wichita, KS 67201

Purchaser: N/A

Operator Contact Person: Pat Raymond

Phone (316) 267-4214

Contractor: Name: Duke Drilling Co., Inc.

License: 5029

Wellsite Geologist: Mike Dixon

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIOW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

06-02-93 06-10-93 06-22-93

Spud Date Date Reached TD Completion Date

County Reno

C - NW - NE - Sec. 22 Twp. 25 Rge. 9 E

660 Feet from N (circle one) Line of Section

1980 Feet from E (circle one) Line of Section

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

Lease Name Markhart Well # 1

Field Name Langdon Ext

Producing Formation Mississippi

Elevation: Ground 1663 KB 1671

Total Depth 4256 PBTB 4204'

Amount of Surface Pipe Set and Cemented at 237 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 cat.

Drilling Fluid Management Plan DLT 1 8-11-93
(Data must be collected from the Reserve Pit)

Chloride content 58,000 ppm Fluid volume 1500 bbls

Dewatering method used Vacuum truck

Location of fluid disposal if hauled offsite: _____

Operator Name Bullseye Roustabout Service, Inc

Lease Name Clark SWD License No. 31056

S/2 NW/4 Quarter Sec. 10 Twp. 26 S Rng. 12 E

County Pratt Docket No. 21-405

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado
[Orby Building, 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 08-02-93

Subscribed and sworn to before me this 3rd day of August
19 93

Notary Public Kellie S. Carter

Date Commission Expires June 15, 1997

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
STATE CORPORATION COMMISSION
Distribution
 KCC
 KCS
 SWD/Rep
 NGPA
Plug AUG - 4 1993
8-4-93

KELLIE S. CARTER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-15-97

Operator Name Raymond Oil Company, Inc. Lease Name Markhart Well # 1
 Sec. 22 Twp. 25 Rge. 9 East West
 County Reno

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:

Log		Formation (Top), Depth and Datum	Sample
Name	Top	Datum	
Heebner	3132	-1461	
Brn Lm	3306	-1635	
Lansing	3328	-1657	
Bkc	3696	-2025	
Mississippi	3824	-2153	
Viola	4068	-2397	
Simp Sh	4152	-2481	
Arbuckle (sample)	4241	-2570	
RTD	4256	-2585	

CASING RECORD <input 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	12 1/2"	8-5/8"	32#	237'	60/40 poz	200	2% gel 3% cc.
Production	7-7/8"	5 1/2"	14	4250'	60/40 poz	200	Latex in 100% bx

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 (Amount and Kind of Material Used)	Depth
2	3826-36	1500 7 1/2% MA and 58,200 # SD. w/1101 BBLS of 40# x-link gel.	3826-26

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2"	4189	None	
Date of First, Resumed Production, SWD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
N/A - Shut in				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	None	500	50	

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 3826-36

ORIGINAL

DST Report

RAYMOND OIL COMPANY, INC.

Markhart #1

C NW NE Section 22-25S-9W

Reno County, Kansas

- DST #1 3824-3841; 30-45-60-60; 1st open: SB. 2nd open: GTS in 5",
GA 8,950 CFG, increase to 15,700 CFG and stab. REC: 25' GCM.
IF: 106/53#, ISIP: 1096#, FF: 106/53#, FSIP: 1096#
- DST #2 3841-3852; 15-30-15-30; 1st open: WB died 12". 2nd open: WB died
10". REC: 5'm, IF: 53/53#, ISIP: 106#, FF: 53/53#, FSIP: 53#.
- DST #3 3852-3862; 15-30-15-30; 1st open: WB died 13". 2nd open: WB died
13". REC: 5'm, IF: 85/53#, ISIP: 53#, FF: 53/53#, FSIP: 53#.
- DST #4 4053-4077; 30-45-60--60; SB on both opens. REC: 180' WCM (20%
water, 80% mud) 1720' water. (CHL 78,000) IF: 160/373#,
ISIP: 906#, FF: 534-746#, FSIP: 906#.

RECEIVED
STATE CORPORATION COMMISSION

NOV - 4 1993

SERVICE TICKET ORIGINAL
 UNITED CEMENTING & ACID CO., INC.

No 8346

EL DORADO, KANSAS 67042

PHONE AC 316-321-4680

DATE 6-2-93 COUNTY Revo
 CHG. TO: Raymond Oil ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 LEASE & WELL NO. Markpart #1 SEC. _____ TWP. _____ RNG. _____
 CONTRACTOR Sub Oil TIME ON LOCATION 4:00 PM
 KIND OF JOB Count Luggage Pipe

QUANTITY	MATERIAL USED TYPE	PRICE
200	Saf 60-40 Posmix @ 4.00	800.00 ✓
6	Saf Chloride @ 2.00	12.00 ✓
4	Saf Gel @ 8.00	32.00 ✓
210	BULK CHARGE saf @ 80	168.00 ✓
152	BULK TRK. MILES (10.50 tons x 60 x 152 miles)	264.60 ✓
	PUMP TRK. MILES	
1-8 5/8	PLUGS top wooden plug @	30.00 ✓
	SALES TAX	83.82
	TOTAL	1,829.42

T. D. 234 CSG. SET AT 237 VOLUME _____
 SIZE HOLE 12 1/4 TBG SET AT _____ VOLUME _____
 MAX. PRESS. _____ SIZE PIPE 8 5/8
 PLUG DEPTH 225 PKER DEPTH _____
 PLUG USED Wooden Rubber TIME FINISHED 5:45 PM
 REMARKS: Count Cn 200 x 60-40 Posmix
3 1/2 Gel
3 1/2 CC

new well

NAME <u>Scott</u> CEMENTER OR TREATER	EQUIPMENT USED UNIT NO. _____ NAME <u>Chat</u>	RECEIVED STATE CORPORATION COMMISSION AUG - 4 1993
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OWNER'S REF. _____

SERVICE TICKET ORIGINAL
UNITED CEMENTING & ACID CO., INC.

EL DORADO, KANSAS 67042

No. **3369**
 PHONE AC 316-321-4680

6-10593
 TO: Raymond Oil COUNTY Reno
 ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 LEASE & WELL NO. Marphart #1 SEC. _____ TWP. _____ RNG. _____
 CONTRACTOR Duke D. G. TIME ON LOCATION 6:10 PM
 KIND OF JOB Annul Leach Spring
 SERVICE CHARGE: Kenney Unit 800.00

QUANTITY	MATERIAL USED	TYPE	
175	Say 60-40 Permit	@ 4.00	700.00 x
50	Say 60-40 Permit Latex	@ 15.00	750.00 x
4	Say Shell	@ 8.00	32.00 x
1-5/8	Guide shoe	std	80.00 x
1-5/8	A.F.U. Insert	Value std	102.00 x
7-5/8	Centralizer	@ 28.00 each	196.00 x
229	BULK CHARGE Say	@ .80	183.20 x
32	BULK TRK. MILES	(11.50 tons X 60 X 31 miles)	220.80
	PUMP TRK. MILES		
1-5/8	PLUGS top Rubber Plug	@	43.00 x
	SALES TAX		136.14
	TOTAL		3,243.64

T.D. 4256 CSG. SET AT 4250 VOLUME _____
 SIZE HOLE 7 1/4 TBG SET AT _____ VOLUME _____
 MAX. PRESS. 1000 SIZE PIPE 5 1/2
 PLUG DEPTH 4220 PKER DEPTH _____
 PLUG USED Rubber Cap TIME FINISHED 8:20 PM
 REMARKS: Float held 225 sg 60-40 Permit
202 Lat
16 gal Latex

Newell EQUIPMENT USED RECEIVED
 NAME Elmer UNIT NO. NAME Race STATE CORPORATION COMMISSION
 UNIT NO. NOV-4-1993
Raymond CEMENTER OR TREATER OWNER'S REP