

COPY

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 # 5959Name: Rader Oil Co.Address R. R. #1City/State/Zip Eudora, Kansas 66025Purchaser: Crude MarketingOperator Contact Person: Richard RaderPhone (913) 883-2885Contractor: Name: Scott Evans EnergyLicense: 8509Wellsite Geologist: None

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☒ Oil ☐ SWD ☐ Temp. Abd.☐ Gas ☐ Inj ☐ Delayed Comp.☐ Dry ☐ Other (Core, Water Supply, etc.)If **OWWO**: old well info as follows:

Operator: _____

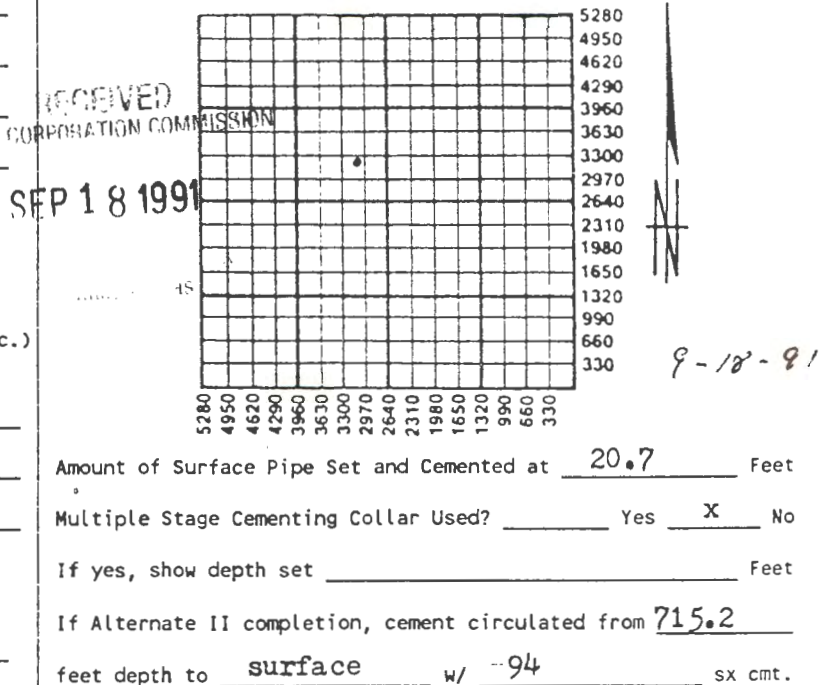
Well Name: N / A

Comp. Date _____ Old Total Depth _____

Drilling Method:

☐ Mud Rotary ☒ Air Rotary ☐ Cable7-2-91 7-3-91 9-10-91

Spud Date _____ Date Reached TD _____ Completion Date _____

API NO. 15- 059-24,635County FranklinSE SE NW Sec. 9 Twp. 16 Rge. 21 ☒ East ☐ West3200 Ft. North from Southeast Corner of Section3080 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Petty Well # 18Field Name Paola-WellsvilleProducing Formation SquirrelElevation: Ground 975 KB _____Total Depth 722 PBTD _____

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 Richard RaderTitle Owner Date 9-16-91Subscribed and sworn to before me this 16th day of Sept. 19 91.Notary Public Marie LinderDate Commission Expires Feb. 11, 1994

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☐ Drillers Timelog Received

Distribution

☒ KCC ☐ SWD/Rep ☐ NGPA
☒ KGS ☐ Plug ☒ Other (Specify) JS

NOTARY PUBLIC - State of Kansas
MARIE LINDER
My Appt. Exp. 3-11-94

SIDE TWO

Operator Name Rader Oil Co. Lease Name Petty Well # 18
 Sec. 9 Twp. 16 Rge. 21 ☒ East ☐ West
 County Franklin

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.)

Formation Description

☐ Log ☒ Sample

Name	Top	Bottom
Squirrel	671	688

CASING RECORD

☒ 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	8 5/8	7"	24	20.7	common	4	none
Production	6 3/4	4 1/2	9.5	715.2	Pozmix	94	2% gel

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

2	671-675	125 Gal. 15% HCL acid	671-75

TUBING RECORD

Size
2"

Set At
671

Packer At

Liner Run

☐ Yes ☒ No

Date of First Production
9-11-91

Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		1.0	0			.25		31

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

671-675

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9-16-21E



310 N. Hospital Drive

Paola, Kansas 66071

Custom
oil & gas
drilling
Lease Development

(913) 294-9083

WELL LOG
Petty #18
Radar Oil Company
API # 15-059-24635
July 2-3, 1991

Thickness of Strata	Formation	Total
12	Soil & clay	12
17	lime	29
7	shale	36
32	lime	68
43	shale	111
23	lime	134
17	shale	151
3	lime	154
50	shale	204
21	lime	225
26	shale	251
6	lime	257
25	shale	282
3	lime	285
14	shale	299
1	lime	300
17	shale	317
23	lime	340
7	shale	347
24	lime	371
4	shale	375
13	lime	388-Base of the Kansas City
45	shale	433
6	sand	439-grey, silty, no show
66	shale	505
6	sand	511-light brown, gas, slight oil show
30	shale	541
13	lime	554
3	shale	557
19	sand	576-light brown, slight oil bleeding
11	sand	587-grey with thin brown sand laminations
8	shale	595
10	lime	605-soft
13	shale	618
4	lime	622
12	shale	634
7	lime	641
16	shale	657

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3	lime	660
9	shale	669
2	shale	671-light grey or green
1	sand & shale	672-30% brown bleeding sand, 70% sandy shale
1	sand	673-fair bleeding, vertical white sand laminations
4	sand	677-brown, good bleeding
.3	broken sand	677.3-comingeled together sand & shale
1.3	shale	678.6
.5	broken sand	679.1-60% bleeding sand, 40% shale
1.2	shale	680.3
.2	sand	680.5-bleeding
.1	shale	680.6
1.5	shale	682.1-few very thin bleeding sand lamination
1.1	broken sand	683.2-50% bleeding sand, 50% shale
5	shale	688.2
.1	sand	688.3-bleeding
33.7	shale	722-TD

Set 20' of 7" Threaded & Collar Surface Casing
 Set 715.2' of 4 1/2" Casing

UPPER SQUIRREL CORE TIMES

	Min.	Sec.
673		55
674		55
675	1	05
676		55
677	1	00
678	1	15
679	1	15
680	1	20
681	1	25
682	1	30
683	1	20
684	1	25
685	1	35
686	1	45
687	1	45
688	1	40
689	1	50
690	1	40

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