

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 # 5815

Name: C & R Drilling, Inc.

Address 410 17th St., Suite 1140

City/State/Zip Denver, Colorado 80202

Purchaser: _____

Operator Contact Person: Les Olson

Phone (303) 623-6144

Contractor: Name: Western Kansas Drilling, Inc.

License: 4083

Wellsite Geologist: Bill Robertson

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

5-16-91 5-22-91 5-23-91

Spud Date Date Reached TD Completion Date

API NO. 15- 165-21,565

County Rush

S/2 SE Sec. 32 Twp. 16 Rge. 19 East West

660' Ft. North from Southeast Corner of Section

1320' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

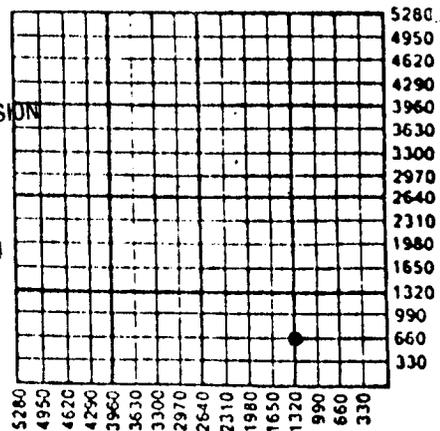
Lease Name Littler Well # 3

Field Name _____

Producing Formation Arbuckle

Elevation: Ground 2046' KB 2051'

Total Depth 3806' PBD 3830'



7-1-91

Amount of Surface Pipe Set and Cemented at 380' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1309' Feet

If Alternate II completion, cement circulated from 1309'

feet depth to surface w/ 255 sx cmt.

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 William Sheeling

Title Vice President Date 6/26/91

Subscribed and sworn to before me this 26th day of June 1991.

Notary Public Leslie Olson Notary Public, State of Colorado
County of Arapahoe

Date Commission Expires _____ My Commission Expires July 18, 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)

SIDE TWO

Operator Name C & R Drilling, Inc. Lease Name Littler Well # 3
 Sec. 32 Twp. 16 Rge. 19 East County Rush 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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 DST #1 3578'-3642' 60-45-30-45
 IFP 42-59#, FFP 67-74#
 ISIP 1201#, FSIP 1193#
 Rec. 60' Mud
 DST #2 3776'-3806' 30-30-30-60
 IFP 50-118#, FFP 160-210#
 ISIP 1142#, FSIP 1142#, Rec. 570'MGO, 210'

Formation Description		
Name	Top	Bottom
Anhydrite	1276'	
Heebner	3379'	
"B" zone	3448'	
"J" zone	3612'	
B-KC		3679'
Arbuckle	3781'	
Gas above fluid		

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 Per Additives
Surface	12 1/4"	8 5/8	20#	380'	60/40 poz	165sks	3%cc 2%gel
Production	7 7/8	5 1/2	14#	3784'	60/40 poz	125sks	2%gel, 10%sal, 1/2%CFR3
					HLC, 1/4	250	

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

TUBING RECORD Size 2 7/8" Set At 3791' Packer At Liner Run Yes No

Date of First Production 6/7/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	30	trace	no		41

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION Open Hole Perforation Dually Completed Conmingled
 Other (Specify)