

2299
CONFIDENTIAL

RELEASED

AUG 21 1991

ORIGINAL

SIDE ONE

API NO. 15- 165-21,519 FROM CONFIDENTIAL

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 and R Drilling Co.
Address 410 17th St., Suite 1140
Denver, CO 80202
Purchaser: Koch Oil
Operator Contact Person: Les Olson
Phone (303) 623-6144
Contractor: Name: Western Kansas Drilling, Inc.
License: 4083
Wellsite Geologist: Bill Robertson

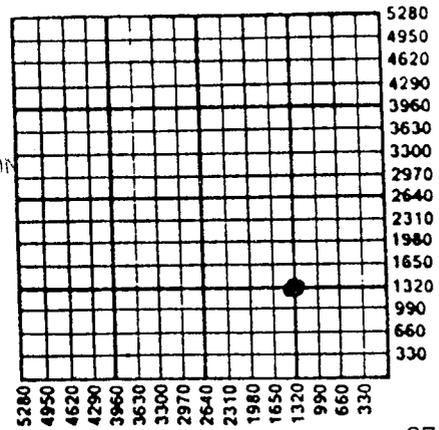
County Rush
C SE/4 Sec. 32 Twp. 16 Rge. 19 East West
1320 Ft. North from Southeast Corner of Section
1320 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Littler Well # 1
Field Name New Pool Discovery
Producing Formation Arbuckle
Elevation: Ground 2050' KB 2055'
Total Depth 3808' PBD 3793'

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If UNNO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Drilling Method:
 Mud Rotary Air Rotary Cable
5-11-90 5-17-90 5-18-90
Spud Date Date Reached TD Completion Date

RECEIVED
STATE CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas
JUL 23 1990



Amount of Surface Pipe Set and Cemented at 270 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1305' Feet
If Alternate II completion, cement circulated from 1305
feet depth to surface w/ 250 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 Drilling
Title Vice Pres. Date 7-16-90
Subscribed and sworn to before me this 16th day of July, 1990.
Notary Public [Signature]
Date Commission Expires 7/18/90

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)
NPDA 7904

SIDE TWO

Operator Name C and R Drilling Co. Lease Name Littler Well # 1
 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.

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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		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Anhydrite	1284'	
Heebner	3380'	
KC - B Zone	3448'	
KC - G Zone	3525'	
KC - J Zone	3614'	
Base KC		3685'
Arbuckle	3783'	
T.D.		3805.5

FROM CONFIDENTIAL

DST #1 3779' to 3808' 30-30-30-60
 Rec: 675' clean oil, 420' gas above fluid
 IP - 1931#, ISIP - 119#, FISP - 1193#
 IP - 1905#, IFP - 117-168#, FFP - 227-278#

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	12-1/4	8-5/8	20	370'	60/40 Poz	165	3%cc, 2% Gel
Production	7-7/8	5-1/2	14	3786'	60/40 Poz	150	2% Gel, 10% Salt
					HLC	250	1/4# Flocele

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

TUBING RECORD Size 2-7/8" Set At 3793' Packer At _____ Liner Run Yes No

Date of First Production 6-1-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	220	Trace			41%

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Production Interval: 3786' - 3808'
 Other (Specify) _____