

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5447  
Name Cities Service Oil & Gas Corp  
Address 3545 N.W. 58th Street  
City/State/Zip Okla. City, Okla. 73112

Purchaser Not applicable

Operator Contact Person Raymond Hui  
Phone (405) 949-4400

Contractor: License #  
Name Wakefield Drilling Company

Wellsite Geologist  
Phone

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

If ONWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

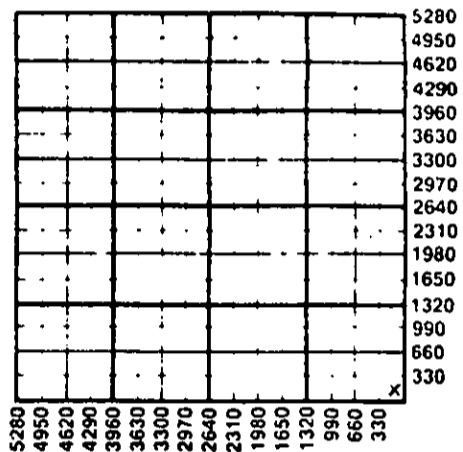
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
9-2-85 9-12-85 10-3-85  
Spud Date Date Reached TD Completion Date  
4643' 4547'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1407 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
if yes, show depth set feet  
if alternate 2 completion, cement circulated from feet depth to w/SX cmt

API NO. 15-071-20,387-0000  
County Greeley  
SE SE SE Sec 29 Twp 19S Rge 39  East  West

130 Ft North from Southeast Corner of Section  
130 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Kuttler "A" Well #2D  
Field Name Bradshaw  
Disposal Formation Lansing Kansas City  
Elevation: Ground 3521 KB Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket # D-24203

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #  
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge  East  West  
 Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge  East  West  
 Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 hereon are complete and correct to the best of my knowledge.

Signature Del G. Oliver  
Title Engineering Manager Date 10-9-85

Subscribed and sworn to before me this 16 day of October 1985  
Notary Public Dawn G. Howell  
Date Commission Expires 4-24-89

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received

Distribution  
 KCF  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

29 imp / Rge 39 W

SIDE TWO

Operator Name Cities Service Oil & Gas Corporation Lease Name Kuttler, "A" Well # 2D

Sec. 29 Twp. 19S Rge. 39  East  West County Greeley

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Surface Sand	0	106
Surface Sand & Clay	106	260
Sand & Clay	260	685
Clay & Gyp	685	1099
Gloretta Sand	1099	1242
Shale	1242	2935
Shale & Lime	2935	3195
Lime & Shale	3195	4643
T.D.		4643
P.B.T.D.		4547

Ran CNL/FDC w/GR & Caliper from 4200-1400'.  
 Ran DIL-SFL w/GR 4643-1407'.  
 Ran CNL-FDC w/GR & Caliper from 4643-3953'.  
 Ran CBL/OCL/GR from 4547' "BTD to 2200".  
 DV Tool at 3544' KB.  
 Cement Basket at 3550'.

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"	24#	1407'	Dowell Lite	550'	6% CaCl gel
* Production	7-7/8"	5-1/2"	14#	4642'	Class. H. Pozmix	150 sx 65/35 100	3% CaCl gel
			(first stage)	50/50 Pozmix	150	sx 2% total	

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	Lansing-KC 4386-94 & 4349-69' (28' 112 holes)	acidizes w/ 2000 gals. 15% Fe acid	4386-94'
		Acidized w/4000 gals. 15% Fe Acid	4349-69'

TUBING RECORD Size 2-3/8" Set At 4325' Packer at 4333'KB Liner Run  Yes  No

Date of First Production 10-3-85 Disposal Method  Flowing  Pumping  Gas Lift  Other (explain) SWD Well

Estimated Production Per 24 hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity

Pressed annulus to 1340 psig for 30 min. w/state witness. Held OK.

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  Solid  Other (Specify) Salt Water Disposal  Used on Lease

(\*Cement Information continued)

2nd Stage: Cemented 2nd stage thru DV tool at 3544' KB w/ 200 sx 65/35 Pozmix w/6% Total gel and 2% CaCl.

RECEIVED  
 STATE CORPORATION COMMISSION  
 OCT 17 1985  
 10-17-85  
 CONSERVATION DIVISION  
 Wichita, Kansas