

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: Natural Gas Sales Co., Inc.  
P.O. Box 1290, Hays, KS 67601

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

Contractor: License # 4474  
Name Wakefield Drilling Co.

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 ONNO: old well info as follows:

Operator  
Well Name  
Comp. Date  
Old Total Depth

WELL HISTORY

Drilling Method:

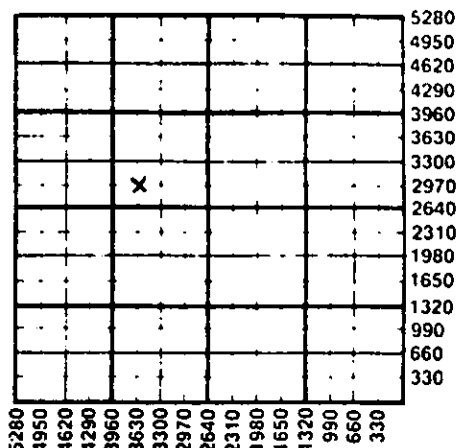
Mud Rotary  Air Rotary  Cable

8-19-85 8-24-85 1-3-86  
Spud Date Date Reached TD Completion Date  
2959' 2914'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 632 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
if yes, show depth set IV. Tool. at 1304 feet  
if alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt

API NO. 15-071-20378-00-06  
County: Greeley  
C. SW. SE. NW... Sec. 19. Twp. 19S. Rge. 39...  East  West  
2970..... Ft North from Southeast Corner of Section  
3630..... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)  
Lease Name: Kuttler "F" Well # 1  
Field Name: Bradshaw  
Producing Formation: Winfield  
Elevation: Ground 3539' KB 3547'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket #

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  
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 1-15-86

Subscribed and sworn to before me this 15 day of January 1986  
Notary Public Teresa Jo Dowdell  
Date Commission Expires 4-24-89

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

SIDE TWO

Operator Name Cities Service Oil & Gas Corporation Lease Name Kuttler "F" Well # 1  
 C SW SE NW  
 Sec. 19 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

DV Tool at 1304';  
 \*Production casing Data:

Cemented bottom stage w/10 bbls fresh water followed by 125 sx 65/35 Lite Poz. w/2% CaCl and 1/16# D-130 followed by 100 sx 50/50 Poz. w/18% salt, 8/10 of 1# D-65, 1/16# D-130.

Cemented through DV tool w/10 bbls water, 100 sx 65/35 Lite Poz. 2% CaCl, followed by 100 sx 50/50 Poz. 18% salt, 8/10 of 1# D-65.

Ran Comp. Neutron Lith. w/GR & Laterlog.  
 Ran CBL/CCL from 2914 to 500'.

Name	Top	Bottom
Surface & Clay	0	250
Blue Shale	250	720
Shale	720	1095
Gloretta Sand	1095	1240
Shale	1240	1500
Anhydrite	1500	1521
Shale	1521	1616
Shale & Anhydrite	1616	1920
Shale & Red Bed	1920	2375
Red Bed & Shale	2375	2665
Shale & Lime	2665	2959
R.T.D.		2959
P.B.T.D.		2914

CASING RECORD <input checked="" type="checkbox"/> New <input 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.....	12-1/4"	8-5/8"	24#	632' KB.	65/35 Poz.	250	5% total gel, 2% Class H. & 1/8# D-130
*Production.....	7-7/8"	5-1/5"	14#	2958' KB.	*See above Prod.		casing data.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated			Depth			
4	2882-90' (8' 32 shots)			1000 gals 15% HCL 2882-90'			
4	2836-44' (8' 32 shots)			1000 gals 15% HCL 2836-44'			
				Frac. w/26000 gals Versagel & 28,500# 20/40 sand.			
TUBING RECORD		Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-3/8"	2846'				
Date of First Production		Producing Method					
1-3-86		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
4-point test		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
Estimated Production Per 24 hours		Bbls	CAOF 174 MCF	160 Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  Commingled

Windfield  
 2836-2890'