

SIDE ONE

15-129-00065-00-00

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-.....
County..... Morton
C SE NW Sec. 32 Twp. 34 Rge. 41 East West X

Operator: License # 5447-Expiration date 6/30/87
Name Cities Service Oil & Gas Corp.
Address 3545 NW 58th Street
Oklahoma City, OK 73112
City/State/Zip

4620 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser Northern Natural Gas Company

Lease Name Pearson "C" Well # 1B

Operator Contact Person Richard E. Adams
Phone (405) 949-4256

Field Name Greenwood

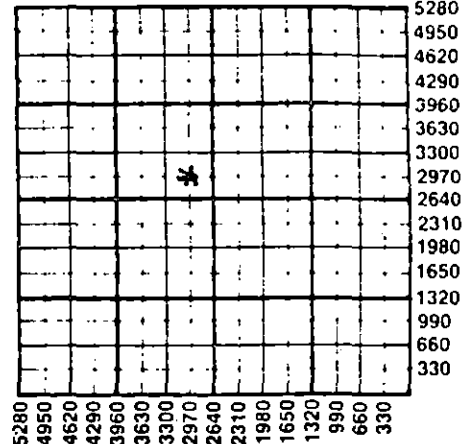
Producing Formation Topeka

Contractor: License # N.A.
Name Holm Drilling Company

Elevation: Ground 3474' KB 3475'

Wellsite Geologist N.A.
Phone

Section Plat



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

WATER SUPPLY INFORMATION

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

Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable

Questions on this portion of the ACO-1 call:

3/12/59 4/4/59 4/28/59
Spud Date Date Reached TD Completion Date
5402' ---
Total Depth PBTD

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #.....

Amount of Surface Pipe Set and Cemented at 1461 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name,
Invoice #

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 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. 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 herein are complete and correct to the best of my knowledge.

Signature *Delbert G. Oliver*
Delbert G. Oliver
Title Region Engineering Manager Date 7/8/86

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)

Subscribed and sworn to before me this 8 day of July 1986
Notary Public *Jam Thompson*
Date Commission Expires 6-24-89

RECEIVED STATE CORPORATION COMMISSION Form ACO-1 (5-86)

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Operator Name Cities Service Oil and Gas Lease Name Pearson C Well # 1B

Sec. 32 Twp. 34 Rge. 47 East West County Morton

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 N.A.
 Cores Taken Yes No N.A.

Formation Description
 Log Sample

Drill Stem Test #	Description	Name	Top	Bottom
Drill Stem Test #1	Topeka Formation 3080-3160' Tool open 1 hr., GIS 7 min. 10 minutes 584 MCF, 20 min., 627 MCF, 30 min., 648 MCF, 50 min., 686 MCF, 60 min., 734 MCF, IFP 40 psi, FFP 110 psi, SIP 430 psi/20-minutes. Rec. 190' mud 1/4 @ 3333'.	Anhydrite	1450'	
		Krider	2195'	
		Winfield	2255'	
		Topeka	3009'	
		Lansing	3602'	
		Morrow Sand	4806'	
Drill Stem Test #2	Morrow formation 4835-4880'. Packer held 6 minutes w/very weak blow - then failure.			
Drill Stem Test #3	Morrow formation 5020'-5080' Rec. 10' mud. HH2410 psi w/ 15 minutes.			
Drill Stem Test #4	Open 8 minutes - packer failed Rec. 300' mud, 300' mud cut SW.			

CASING RECORD <input 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 1/2"	8 5/8"	24#	1461'	Common	650	N.A.
Production	7 7/8"	5 1/2"	14#	5204'	Common	275	N.A.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	3080' - 3176'			4000 gallons 15% acid		3080-3176'	
TUBING RECORD							
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
1 1/2"	4785'	4785'					
Date of First Production		Producing Method					
4/28/59		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
0 Bbls		8500 MCF	0 Bbls				

METHOD OF COMPLETION

Production Interval

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

Dually Completed *
 Commingled

* Originally dually completed, but Morrow zone later plugged off.