

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.....

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

Contractor: License # 7860
Name Johnson Drilling Co.

Wellsite Geologist Scott Dillman
Phone (405) 949-4400

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
12-7-84 12-17-84 5-22-85
Spud Date Date Reached TD Completion Date
5400' 5236'
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 1589 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. 15-119-20691-0000

County Meade

C. NE SW NW Sec. 23 Twp. 33 Rge. 30
990' FWL & 1650' FNL

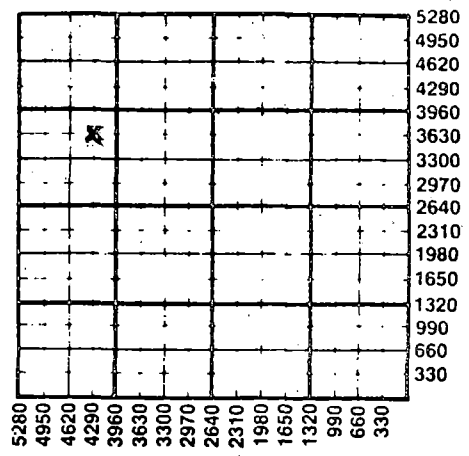
3630 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Langhofer "M" Well # 6
Note: Intent-to-Drill filed as Novinger Unit #206

Field Name Novinger

Producing Formation Upper Marmaton

Elevation: Ground 2712' KB 2725'
Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # C-4924

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

Source of Water:
Division of Water Resources Permit # T84-932

Groundwater 3730 Ft North from Southeast Corner
(Well) 4190 Ft West from Southeast Corner of
Sec 23 Twp 33 Rge 30 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 D. G. Oliver
Title Engineering Manager Date 7-26-85

Subscribed and sworn to before me this 26th day of July 1985
Notary Public Joyce S. Porter
Date Commission Expires 6-12-88

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

SIDE TWO

Operator Name Cities Service Oil & Gas Corporation Lease Name Langhofer, "M" Well # 6

Sec. 23 Twp. 33 Rge. 30 East West County Meade

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
Heebner	4420	
Toronto	4438	
Marmaton (Up.)	5200	
Marmaton (Novinger Zone)	5266	
Loggers T.D.	5394'	
Drillers T.D.	5400'	
P.B.T.D.	5236'	

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#	1589' KB	Lt. Poz.	650	2% CaCl ₂ , 1/2# Flocel
Production	7-7/8"	5-1/2"	14#	5399'	Class H. Pozmix	150 175	3% CaCl ₂ , 1/4# Flocel 18% salt, 1/4# floc.
					.8% CFR-II		2% total gel.
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	5292-96'	Marmaton set CIBP @ 5286'		Acidized w/575 gals. 15% NE acid			5292-96'
4	5268-74'	Marmaton		Acidized w/1000 gals. 15%			5268-74'
4	Set CIBP at 5250' w/2 sx cement on top of CIBP						
4	5204-06'	Marmaton LS		Acidized w/800 gal. & w/2500 gal.			5204-06'
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size		Set At	Packer at				
2-3/8"		5207'	KB				
Date of First Production		Producing Method					
4-16-85		<input type="checkbox"/> Flowing <input checked="" 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	
2 Bbls			-0- MCF	37 Bbls		CFPB	
Well temporarily abandoned 5-22-85 pending further evaluation.							

METHOD OF COMPLETION

Production Interval

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