

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 NW 58th Street
Oklahoma City, Oklahoma
City/State/ZIP 73112

Purchaser CITGO

Operator Contact Person Raymond Hui
Phone (405) 949-4432

Contractor: License #
Name Drilling Oil 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 **OWWO**: old well info as follows:
Operator Cities Service Oil & Gas Corp.
Well Name Hansen C #7
Comp. Date 2/18/74 Old Total Depth 3724'

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1/5/74 1/20/74 5/12/87
Spud Date Date Reached TD RE Completion Date
3724' 3500'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 218' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set DV Tool at 1680+ feet
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt
Cement Company Name
Invoice #

API NO. 15-147-20168-0001
County Phillips
C N/2 23 5S Rge 20 East
West

3960 Ft North from Southeast Corner of Section
2640 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

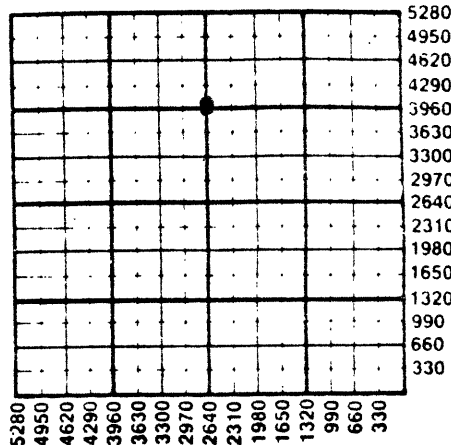
Lease Name Hansen C Well # 7

Field Name Hansen

Producing Formation Toronto-LKC

Elevation: Ground 2161 KB 2166

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: N/A
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 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-III 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 Del G. Oliver

Title Engineering Manager Date 6/9/87

Subscribed and sworn to before me this 15th day of June 1987

Notary Public Jan Thompson

Date Commission Expires 6-24-89

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

RECEIVED
STATE CORPORATION COMMISSION
JUN 16 1987
CONSERVATION DIVISION
Wichita, Kansas

6-16-87

Operator Name Cities Service Oil & Gas Corp Lease Name Hansen C Well # 7

Sec 23 Twp 5S Rge 20 East West County Phillips

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

There were no drill stem tests or cones taken during the recompletion.

Name	Top	Bottom
Top Soil	0	95'
Shale	95	1218'
Sand	1218	1385
Shale	1385	1651
Anhydrite	1651	1680
Shale	1680	2685
Shale & Lime	2685	3060
Lime & Shale	3060	3192
Lime	3192	3568
Anhydrite	3568	3684
Regan Sand	3684	3724
TD		3724

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 1/2"	8 5/8"	24#	218'	50/50 Poz	47	
Production	7 7/8"	5 1/2"	14#&17#	3722'	Cl A	35	18% salt, 1/3% GFR-2
DV Tool at 1680' w/330 sx.							
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
Set CIBP at 3500'	Dumped 2 sx cmt on top						
4	Toronto 3262-3266'			Acidize Toronto & LKC w/			3262-3359'
	LKC "A" 3280-3282'; "B" 3312-3318'			1500 gal 15% FC acid			
	"D" 3332-3338'; "F" 3357-3359'			w/50 gal acid			
TUBING RECORD		Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2 3/8"	3420'				
Date of First Production		Producing Method					
After recompletion		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
5/12/87							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
7 Bbls			MCF	64 Bbls	CFPB		

METHOD OF COMPLETION

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

Production Interval
 Toronto: 3262-3266'
 LKC "A": 3280-3282'
 LKC "B": 3312-3318'
 LKC "D": 3332-3338'
 LKC "F": 3357-3359'