

ORIGINAL

SIDE ONE

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

API NO. 45- 15-129-10268-0000

County Morton

C SW NE Sec. 15 Twp. 33 Rge. 42 X East West

3300 Ft. North from Southeast Corner of Section

1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

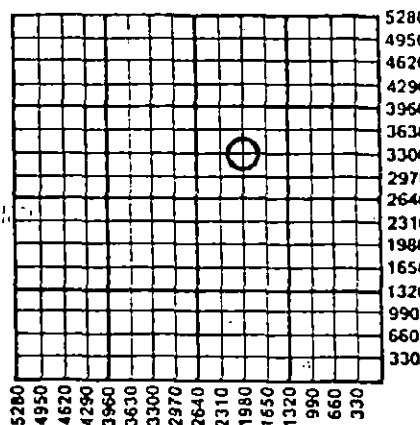
Lease Name Greenwood Well # C-1

Field Name Greenwood, Kansas

Producing Formation Greenwood

Elevation: Ground 3485' KB DF - 3493'

Total Depth 5103' DF PBDT 3271' GL



Amount of Surface Pipe Set and Cemented at 293' DF Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ SX cmt.

Operator: License # 07117

Name: Colorado Interstate Gas Company

Address P. O. Box 1087

City/State/Zip Colorado Springs, CO 80944

Purchaser: CIG

Operator Contact Person: G. W. Gettman

Phone (719) 473-2300

Contractor: Name: _____

License: _____

Wellsite Geologist: _____

Designate Type of Completion

 New Well Re-Entry Workover

 Oil SWD Temp. Abd.

X Gas Inj Delayed Comp.

 Dry Other (Core, Water Supply, etc.)

If OMMO: old well info as follows:

Operator: Cities Service Oil Company

Well Name: Greenwood "C" No. 1

Comp. Date 6-16-52 Old Total Depth 5103' DF

Drilling Methods:

X Mud Rotary Air Rotary Cable

5-11-52 6-16-52

Spud Date 5-11-52 Date Reached TD 6-16-52 Completion Date

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 [Signature]

Title Sr. Staff Engineer Date 1-18-91

Subscribed and sworn to before me this 18th day of January, 19 91.

Notary Public: Dea L. Luusdal

Date Commission Expires 5-27-94

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)

PI

SIDE TWO

Operator Name Colorado Interstate Gas Co. Lease Name Greenwood Well # C-1

Sec. 15 Twp. 33S Rge. 42 East West County Morton

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy-)	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample</p> <p style="text-align: center;">Name Top Bottom</p> <p style="text-align: center;">See attached sheet.</p>
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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		13	50	293' DF	Common	250	N.A.
Intermediate	12-1/4"	8-5/8	25 & 24	2485' DF	Common	400 w/4%	% Gel + 250
Production	7-7/8"	5-1/2	15-1/2	4965' DF	Common	200	w/3% CaCl ₂

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
5	4890' - 4920' GL	}	Approx. 50 sx Cmt. in Csg.
5	4887' - 4896' GL		
5	4856' - 4880' GL		
5	4750' - 4780' GL		200 sx Cmt.
4	3290' - 3291' GL and 2944' GL		250 sx Cmt.
4	3190' - 3200' GL	}	Open
4	3162' - 3176' GL		
4	3052' - 3062' GL		

TUBING RECORD Size 2-3/8 Set At 3252' GL Packer At _____ Liner Run Yes No PBTD @ 3271' GL

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	N.A.		130					

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

ORIGINAL

WELL LOG BUREAU ~~WELL LOG BUREAU~~ SOCIETY
503 East Mardack, Wichita, Kansas

15-33-42W

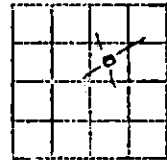
Company- CITIES SERVICE OIL COMPANY
Farm- Greenwood "C" No. 1

SEC. 15 T. 33 R. 42W
CSW NE

Total Depth. 5103
Comm. 5-11-52
Shot or Treated.
Contractor. R. W. Rine
Issued. 1-3-53

Comp. 6-16-52

County Morton KANSAS



CASING:

13" 293'
8 5/8" 2485'

Elevation. 3193 DE

Production. 4,550,000 Gas

Figure 1. Note Bottom of Formations.

soil, sand	70
sand, shale, shells	318
shale	349
shale, red rock	800
shale, shells	1373
anhydrite	1390
shale, shells	1785
shale, shells	2425
lime, shale	2525
lime, shells	2625
lime, shale	3620
lime	3695
shale, lime	3777
lime	3918
shale, lime	4015
lime	4071
shale, lime	4124
lime	4386
lime, shale	4525
shale	4674
shale, lime	4734
shale sandy lime	4783
sand	4803
4803= 4806 corr.	
sandy lime, shale	4860
sand	4887
sandy lime	4900
sand, lime	4946
lime	5035
sand, lime	5080
sandy lime	5103
Total Depth	

DST: 4725-83' open 1 hr.
shut in 15 min, rec. 20'
slightly gas cut, rotary mud.

DST: 4768-4806' 38' anchor
open 1 hr, rec. dry mud
BHP 175# in 15 min. weak
blow 30 min. almost stopped
blowing in 1 hr.

DST: 4872-87' 1 hr, gas in
23 min. 125 M.C.F.

Tops: DF	
Topeka	2913
Lansing	3170
Base-Kansas City	3404
Marmaton Lansing	3553
Morrow Shale	4397
Morrow Sand	4764
Chester	4952
St. Genevieve	5056

RECEIVED
STATE CORPORATION COMMISSION

JAN 22 1991

CONSERVATION DIVISION
Wichita, Kansas