

IMPORTANT
Kans. Geo. Survey request
samples on this well.

KANSAS DRILLERS LOG

API No. 15 — 033 — 20,362
County Number

Operator
InterNorth, Inc.

Address P. O. Box 35288 Tulsa, Okla 74135

Well No. #1 Lease Name Girk II

Footage Location
660 feet from (X) (S) line 1980 feet from (X) (W) line

Principal Contractor Geologist
Rine Drilling Co. Jim Shotwell

Spud Date August 17, 1980 Total Depth 5500' P.B.T.D. 5427'

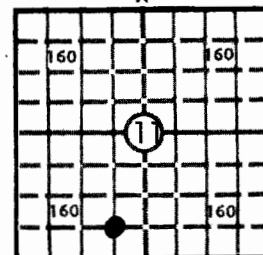
Date Completed October 9, 1980 Oil Purchaser UPG, Inc.

State 34-20W
WICHITA, KANSAS
S. 11 T. 34 R. 20 W

Loc. C SE SW

County Comanche

640 Acres
N



Locate well correctly

Elev.: Gr. 1765'

DF 1775' KB 1778'

CASING RECORD

Report of oil strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4"	8-5/8"	24.00#	624'	HLC C1 A	250 150	3% CaCl 3% CaCl
Production	7-7/8"	4-1/2"	10.50#	5490'	50/50 Poz	300	18% NaCl

LINER RECORD

Top, ft. Bottom, ft. Sacks cement

PERFORATION RECORD

Shots per ft. Size & type Depth interval

TUBING RECORD

Size Setting depth Packer set at

2 Jet 5119-64'
2 Jet 4755-60'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used

Depth interval treated

1500g 15% HCl w/30 ball sealers & frac w/5500g 28% + 8200g 7½% HCl. 5119-64'

750g 15% HCl w/15 ball sealers & frac w/5000g 20% HCl 4755-60'

INITIAL PRODUCTION

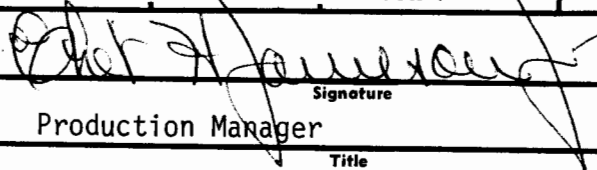
Date of first production October 9, 1980 Producing method (flowing, pumping, gas lift, etc.) Swab & flow

RATE OF PRODUCTION PER 24 HOURS Oil 40 bbls. Gas 180 MCF Water 40 bbls. Gas-oil ratio 4500 CFPB

Disposition of gas (vented, used on lease or sold) Will be sold

Producing interval (s) 4755-60'

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator InterNorth, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil	
Well No. 1	Lease Name Girk 11		
S 11 T 34 R 20 W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
Surface	0	76	
Redbed	76	630	
Redbed & Gypsum	630	2020	
Shale	2020	2332	
Lime & Shale	2332	5500	
DST #1 4760-774' (misrun) Open 30 mins Weak blw Closed 60 mins Open 60 mins Good blw - wk blw plugging off Closed 120 mins Rec 270' G&OCM DST #2 4755-74' Open 30 mins IF 51-68 psi Closed 60 mins ISI 1506 psi Open 60 mins FF 68-102 psi Closed 120 mins FSI 1558 psi Rec 90' OGCM & 90' heavy GCO & 90' W&OM Ran Gearhart Dual Induction Laterolog, Compensated Density, & Compensated Neutron Logs.			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="border-bottom: 1px solid black; display: inline-block; width: 80%;"></div> <div style="border-bottom: 1px solid black; display: inline-block; width: 80%;">Production Manager</div> <div style="border-bottom: 1px solid black; display: inline-block; width: 80%;">October 22, 1980</div>		
	<div style="border-bottom: 1px solid black; display: inline-block; width: 80%;"></div> <div style="border-bottom: 1px solid black; display: inline-block; width: 80%;"></div> <div style="border-bottom: 1px solid black; display: inline-block; width: 80%;"></div>		

11-24-20W

GIRK #1-11:

Contractor: RINE DRILLING COMPANY

Started: August 17, 1980

SE SW

11 34S 20W

Comanche County, Kansas

Completed: August 31, 1980

L O G

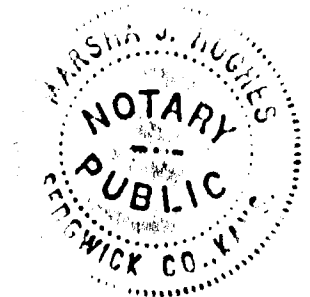
Surface 0 - 76'
Red Bed 76 - 630'

Red Bed & Gypsum 630 - 2020'
Shale 2020 - 2332'
Lime & Shale 2332 - 5500'


Ran 20 jts, 8 5/8" csg, set
@ 624', cmt. w/250 sx lt,
3% c.c. 1/4# flo + 50 sx A
2% gel, 3% c.c., 1/4# flo.
TOTCO 1/2" @ 630'

TOTCO 1" @ 2272'
TOTCO 3/4" @ 4772', 3/4" @ 5500'


STATE OF KANSAS:)
) ss:
SEDGWICK COUNTY:)



I, E.J. Rine, do hereby certify that the above is a true and accurate log of the GIRK #1-11, located SE SW 11 24S 20W, Comanche County, Kansas.


E.J. Rine, President

Subscribed and sworn to before me this 16th
day of September, 1980.


Marsha J. Hughes, Notary Public

My appointment expires: 6-20-84

Ind

11-34-2000

★ AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

TYPE

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238.

LICENSE # 5278 EXPIRATION DATE June 30, 1984

OPERATOR InterNorth, Inc. API NO. 15-033-20-362

ADDRESS P. O. Box 35288 COUNTY Comanche

Tulsa, Ok. 74153 FIELD Collier Flats

** CONTACT PERSON C. B. Lackey PROD. FORMATION Mississippian

PHONE 918/665-9548

PURCHASER NNG LEASE Girk 11

ADDRESS 2138 N. Kansas WELL NO. 1

Liberal, Ks. WELL LOCATION

DRILLING Rine Drilling Company 660 Ft. from South Line and

CONTRACTOR 300 West Douglas, Suite 600 1980 Ft. from West Line of

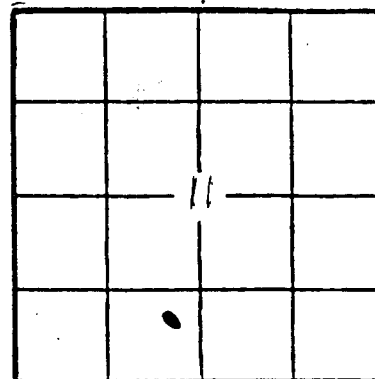
ADDRESS Wichita, KS. 67202 the SW (Qtr.) SEC 11 TWP 34 RGE 20W.

PLUGGING CONTRACTOR ADDRESS

WELL PLAT

(Office Use Only)

KCC
KGS ☒
SWD/REP
PLG.



TOTAL DEPTH 5500 PBDT 5427

SPUD DATE 8/17/80 DATE COMPLETED 9/27/83

ELEV: GR 1765' DF 1775' KB 1778'

DRILLED WITH (~~CABLE~~) (ROTARY) (~~API~~) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE CD 1813

Amount of surface pipe set and cemented (C20000-041) 624 Ft. DV Tool Used? NO

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used				Depth interval treated	
1500g 15% HCl w/30 ball sealers & frac w/5500g 28%+8200g 7				1/2% HCl	5119-64'
750g 15% Hcl w/15 ball sealers & frac w/5000g 20% HCl					4755=60'
Date of first production		Producing method (flowing, pumping, gas lift, etc.)		Gravity	
SIGW WOPL		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPS
	--	500	%	--	
Disposition of gas (vented, used on lease or sold)			Perforations		
Will be sold			5119-64'		

SIDE TWO

OPERATOR InterNorth, Inc.LEASE Girk 11 #1ACO-1 WELL HISTORY
SEC. 11 TWP. 34 RGE. 20WFILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
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Shale	2020	2332		
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<p>DST #1 4760-774' (misrun) open 30 mins. weak blw. closed 60 mins. open 60 mins. Good blw-wk blw plugging off closed 120 mins. Rec 270' G&OCM</p> <p>DST #2 4755-74' open 30 mins IF 51-68 psi closed 60 mins ISI 1506 psi open 60 mins FF 68-102 psi closed 120 mins FSI 1558 psi Rec 90' OGCM & 90' heavy GCO & 90' W&CM</p> <p>Ran Gearhart Dual Induction Laterolog, Compensated Density & Compensated Neutron Logs.</p> <p>9-10-83 Halliburton squeeze cemented perforations from 4755' to 4760' 9-12-83 Drlg. cement and washed sand off RBP @ 4,960' 9-13-83 Retrieved BP and ran 2 3/8" production tubing. 9-19-83 Opened well and unloaded oil and water. After flowing 2 hrs. flowing 970Mcf/d on 20/64" choke w/400 psi FTP. SIGW WOPL.</p>				
<p>FEB 8 1984</p> <p>State Geological Survey WICHITA BRANCH</p>				

Report of all strings set—surface, intermediate, production, etc. **CASING RECORD** (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8 5/8"	24.00#	624'	HLC C1A	250-150	3% CaCl 3% CaCl
Production	7 7/8"	4 1/2"	10.50#	5490'	50/50 Poz	300	18% NaCl

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
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TUBING RECORD

Size	Setting depth	Packer set at			
2 3/8"	5,182'	None	2	Jet	5119-64'
			2	Jet	4755-60'