

KANSAS DRILLERS LOG

API No. 15 — 033 — 20,222
County Number

Operator

Energy Reserves Group, Inc.

Address 5015 North Penn, Suite 100 Oklahoma City, Okla 73112

Well No. #1 Lease Name Woolfolk

Footage Location Approx. 1391' feet from (S) line Approx. 1391' feet from (W) line

Principal Contractor Union Drilling Co. Geologist William M. Capps

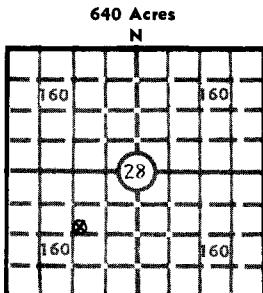
Spud Date 3-7-77 Total Depth 5476' P.B.T.D. 5409'

Date Completed 3-28-77 (rotary) Oil Purchaser

S. 28 T. 34 R. 20 W

Loc. 100' NE/C SW

County Comanche



Locate well correctly

Elev.: Gr. 1733'

DF 1736' KB 1739'

CASING RECORD

Report of all 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#	620'	Class H	200 350	Lite w/3% cc Reg w/3% cc
Production	7-7/8"	4-1/2"	11.6#	5473'	Class A	225	50-50 poz w/15% salt & .75% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	Jet	5380-86'

TUBING RECORD

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used			Depth interval treated		
Acidize w/1000 gal 15% HCL and 15 balls			5380-86'		

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
4-8-77	Flowing				
RATE OF PRODUCTION PER 24 HOURS	Oil 3.48 bbls.	Gas (COF=1350) 951 MCF	Water 4.83 bbls.	Gas-oil ratio 273,276 CFPB	

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

Shut-in

5380-86'

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Driller's 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. Driller's Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Energy Reserves Group, Inc

Well No.	Lease Name	
1	Woolfolk	Gas
S 28 T 34S R 20 E W		

WELL LOG

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
<u>Morrow "B" Sand</u> Sandstone, quartzose, very fine to medium and coarse grained, sub-rounded to sub-angular with some angular grains some rock fragments, slightly glauconitic, partly unconsolidated and intercalated with gray sandy shales, fair to poor porosity, no visible show of oil or gas but exhibiting a fair to good fluorescence. Log calculations: 5380-5385, 7-10.5% porosity, 37-48% water saturation.	5378'	5406'	Heebner Shale Lansing Limestone Marmaton Cherokee Shale Morrow	4252' (-25') 4446' (-) 5039' (-3300') 5200' (-3461') 5323' (-3584')
<u>Drill Stem Test No. 1</u> Open 30", closed in 60", open 60", closed in 2 hours. Tool opened for 1st flow period with a strong blow and gas to the surface in 5", gauged 940 MCFGD. 2nd flow period gauged 600 MCFGD increasing to 1,100 MCFGD/40" & stabilizing. Recovered 290 feet of gas cut mud IFP 277-351#. ICIP 2044#/60". FFP 351-370#. FCIP 2063#/2 hrs. HP 2703-2703#.	5324'	5394'	Morrow "B" Sand Mississippian T.D.	5378' (-3639') 5429' (-3690') 5473' (-3734')

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received


Signature
Glen A. Waugh

District Production Engineer

Title

May 13, 1977

Date