

KANSAS DRILLERS LOG

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

API No. 15 — 175 — 20,864
County Number

Operator
Northern Pump Co.

Address
Box #937 Garden City, Kansas 67846

Well No. #2 Lease Name
Satterfield

Footage Location
1320 feet from (N) 1320 feet from (E) 1320

Principal Contractor
Sage Drilling Co. Geologist
Joe Blair

Spud Date
4-29-80 Total Depth P.B.T.D.
5 515 5 498

Date Completed
6-16-80 Oil Purchaser /or Gas Purchaser
Northern Natural Gas Co.

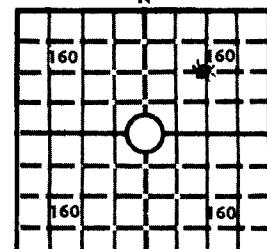
State Geological Survey
WICHITA BRANCH
AUG 8 0 REED

S. 13 T. 31 R. 32 ~~W~~

Loc. C NE

County Seward

640 Acres
N



Elev.: Gr. 2831
DF KB 3847

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
Conductor	17 $\frac{1}{2}$	13-3/8		566'	65/35 Pozmix Class H	455 250	2% CC 2% CC
Surface	12 $\frac{1}{4}$ "	8-5/8"	23#	1721'	65/35 Pozmix Class H	755 150	2% CC 3% CC
Production	7-7/8"	5-1/2"	15.5#	5 505	65/35 Pozmix	120	1% D20

LINER RECORD

PERFORATION RECORD

Top, ft. NA	Bottom, ft. NA	Sacks cement NA	Shots per ft. 2	Size & type Jet	Depth interval 5465 - 72

TUBING RECORD

Setting depth 2-3/8"	Packer set at 5460				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
500 Gal 15% Acid - 1 gal. 10B - 2.5 gal CS-3		5465 - 72
6000 gal pad - 6,000 gal Apollo Jel 1/2# 20-40 sand-6000 gal		
Jel. 1# Sand - 6000 gal Jel 0 $\frac{1}{2}$ # Sand - 6000 gal Jel. 2# Sand		
Flush 6000 gal.		5434 - 44

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)		Producing interval(s)		

Sold

5465 to 72 - 5434 to 44

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 65217. 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
Northern Pump Company

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:
Gas

Well No. 2
Lease Name Satterfield
S 13 T 31 R 32 E
W

WELL LOG

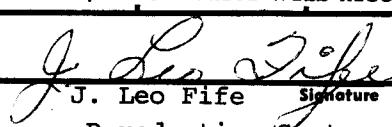
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
KRIDER	2634		Compensated Density-Neutron	5514
WINFIELD	2682		Dual Induction	5514
COUNCIL GROVE	2970		Dual Induction	5514
TORONTO	4180		Compensated Acoustic Velocity	5514
Lansing	4272			
MORROW	5386		Micro-Seismogram Cased Hole	5494
CHESTER	5464			

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

Date Received


J. Leo Fife Signature

Production Supt.

Title

8/3/80

Date