

KANSAS DRILLERS LOG

CORRECTED COPY

S. 1 T. 32S R. 33 W

Loc. C NW/4

County Seward

API No. 15 — 175 — 20339
County Number

Operator John R. LeBosquet

Address 514 Union Center Bldg., Wichita, Kansas 67202

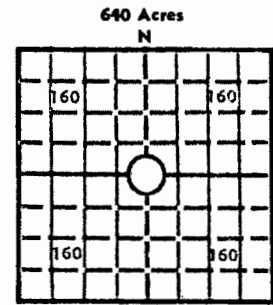
Well No. 1 Lease Name Northern Natural Gas Co.

Footage Location 1320 feet from (N) line 1320 feet from (E) line NW/4

Principal Contractor DaMac Drilling Co. Geologist Bob Posey

Spud Date July 28, 1978 Total Depth 2756 P.B.T.D.

Date Completed Drig July 31st, 1978 Purchaser, GAS Northern Natural Gas Co.



Elev.: Gr. 2866

DF KB 2876

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"	20#	733	Howco LW	250	2%
					Lonestar H	150	2%
Production	7-7/8"	4-1/2"	10.50	2754	Pos. + 2% Gel	150	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		2668-78

Size	Setting depth	Packer set at
2-5/8"	2685	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Foam Frac 300 Gal. 35% HCL- 5 gal HAI-55-150 Bbls WG-6-30 bal HC-2	2668-78
Frac Sand 20-40-5300# 1-1/2# Conc. Gal. 3500 Gal water	
Total Nitrogen 105,600 cu.ft.	

INITIAL PRODUCTION

Date of first production 9-12-78	Producing method (flowing, pumping, gas lift, etc.) Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil bbls. Gas Adj. Del. 521 MCF Water bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) Sold	Producing interval(s) 2668-78

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

John R. LeBosquet

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

Well No.

1

Lease Name

Northern Natural Gas Co.

Gas

S 1 T 325 R 33 X^W 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

Sand, Redbed
Redbed, Anhydrite, Shale
Shale
Shale, Lime
Lime, Shale, Dolomite

0
1176
2125
2365
2620
2620
2760

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

Date Received

Signature

Title

Date

WELL LOG

COMPANY John R. LeBosquet

SEC. 1 T. 32S R. 33W

OWNER Northern Natural

NO. 1

LOC. 110N & 110E of C NW

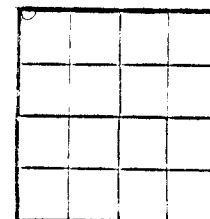
WELL DEPTH 2760

COUNTY Seward

DATE 7-28-78

COMP. 7-31-78

DRILLER DaMac Drilling Inc.



CASING Surface 8 5/8" set @ 733'

ELEVATION

PRODUCTION 4 1/2" set @ 2757

FIGURES INDICATE BOTTOM OF FORMATIONS

Sand, Redbed	0	1176
Redbed, Anhydrite, Shale	1176	2125
Shale	2125	2365
Shale, Lime	2365	2620
Lime, Shale, Dolomite	2620	2760 R.T.D.