

KANSAS DRILLERS LOG

API No. 15 — 159 — 20,550
County Number

Operator

Northern Natural Gas Company

Address

Box 88 Lyons, Kansas

Well No.

OD-35-07

Lease Name

Tobias

Footage Location

75' feet from (X) (S) line 1955' feet from (X) (W) line

Principal Contractor

GRANES DRILLING CO.

Geologist

Spud Date

4-17-75

Total Depth

3648

P.B.T.D.

Date Completed

5-15-75

Oil Purchaser

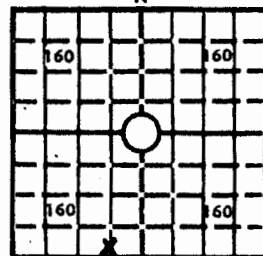
S. 35 T. 19 R. 8 W

Loc. 1955' EWL & 75' NSL SW

County Rice 1/2 1/2 SE SW

640 Acres

N



Locate well correctly

Elev.: Gr. 1692

DE 1697 KB 1702

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"	23	1130	50-50 Pozmix	500	2% C.C.
PRODUCTION	7 7/8"	5 1/2"	15.5	3690	50-50 Pozmix	725	18% SALT

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	.5" JET	3454-70

TUBING RECORD

Size	Setting depth	Packer set at
2 7/8"	3435	3427

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal. 15% HCL w/2 SEALER BALLS/FT.	3454-70'

GAS STORAGE WELL INITIAL PRODUCTION

Date of first production

Producing method (flowing, pumping, gas lift, etc.)

HOTCHINSON SALT
CHASE GROUP
COUNCIL GROVE GROUP
TARKIO LM.
HOWARD LM.758
1203
1548
2084
2317HEEBNER SH.
LANSING/K.C. GROUP
BASAL PENN. SH. + CONG.
KINDERHOOK
VIOLA
SIMPSON GROUP
ARBUCKLE2710
2882
3216
3244
3348
3402
3439