

KANSAS DRILLERS LOG

API No. 15 — 185 — 21077
County Number

Operator

Energy Reserve Group

Address

925 Patton Road Great Bend, Kansas 67530

Well No.

7

Lease Name

Spangenberg

Footage Location

X00

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Brandt #2

Geologist

Bob Hammond

Spud Date

7-21-80

Total Depth

3548 3551'

P.B.T.D.

Date Completed

8-21-80

Oil Purchaser

State Geological Survey
S. WICHITA, R. BRANCH
100' N/ C SW SW
County Stafford, Kansas
640 Acres
N
160 160 160 160
Locate well correctly
Elev.: Gr. 1826
DF 1829 KB 1831

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#	565'	50-50 Poz	350	3% cc & 1/4# cellophane
Production	7 7/8"	5 1/2"	14#	3546'	50-50 Poz	215	10% salt .75% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
				O.H.	3546-3551'
Size	Setting depth	Packer set at			
2 7/8"	3551'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal 15% HCL acid	3546-3551'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
8-21-80		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	73 bbls.	MCF	23 bbls.	NA	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
None			3546-3551'		

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

Energy Reserves Group

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

Well No.

7

Lease Name

Spangenberg

Oil Well

S 29 T 22S R 11 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

DST #1

3518

3548

SAMPLE TOPS:

Howard	2679 (-848)
Heebner	3076 (-1245)
Toronto	3096 (-1265)
Brown Lime	3213 (-1312)
Lansing	3239 (-1408)
Base Kans. City	3496 (-1665)
Sp. Sh.	3520 (-1689)
Arbuckle	3543 (-1712)
D.TD.	3548 (-1717)

30-60-60-120

ST Blow

Rec: 180' Gas

480' Oil and gcm (35-40% Oil)

420' Muddy Oil

240' sl.m.c. Oil

60' Oil cut m. wtr.

IFP 102-294

FFP 306-473

ISIP 1048

FSIP 1035

Hyd. 1877-1813 Tp. 113°

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

Date Received

John E. Mullen

Signature

Kansas Dist Geol.

Title

11-25-80

Date