State Geological Survey

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

KANSAS DRILLERS LOG

S. 11 T. 13S R. 20W E/W

API No. 15 — 051 (County) — 21571 (Number)

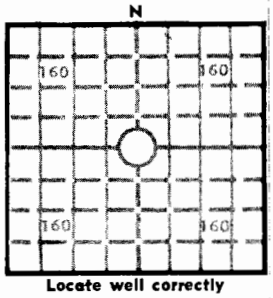
Loc. NW NW NE

County Ellis

Operator: Tomlinson Oil Co.

Address: 200 W. Douglas Wichita, Ks. 67202

640 Acres
N



Locate well correctly

Well No.: #1

Lease Name: Weber

Footage Location
feet fron (N) (S) line feet from (E) (W) line

Principal Contractor: Big Springs Drlg

Geologist: Bob Larue

Spud Date: 10-24-78

Total Depth

P.B.T.D.

Date Completed

Oil Purchaser

Elev.: Gr.

DF KB

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
SEE ATTACHED							

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production: 12-12-78

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

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	125 bbls.	MCF	23% bbls.	CFPB

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

Producing interval(s)

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.

C-10-1972

Operator		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No.	Lease Name	
S_____T_____R_____ 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
SEE ATTACHED				

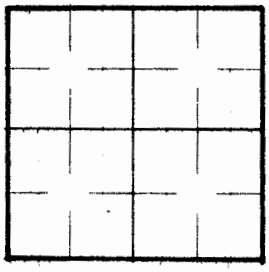
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	Signature
	Title
	Date

Tomlinson Oil Co., Inc.

SUITE 1030 316—265-9678
200 WEST DOUGLAS • WICHITA, KANSAS 67202

PROSPECT Werth South
WELL #1 Weber
FIELD Wildcat
EST T.D. 3850'
OBJECTIVE Lansing-KC-Arbuckle
CONTR Big Springs Drlg.
GEOL Bob LaRue



S-T-R 11-13S-20W
LOCATION NW NW NE
COUNTY Ellis
STATE Kansas
ELEV 2131 Gr.
2135 K.B.

MIRT 10-24-78 SPUD 10-24-78

REFERENCE WELL → #1 Werth
NW SW NW Sec. 2-13S-20W

10-24 Set 8 5/8" @ 205' w/150 sx

10-25 Drlg. 485'

10-26 Drlg. 1550'

10-27 Drlg. 2230'

10-28 Drlg. 2718'

10-29 Drlg. 3150'

10-30 Drlg. 3452

10-31: DST 1 (3449-95) Op 30, Si 30, Op 45, Si 60, Rec. 900' GIP, 60' Heavily Oil and Gas cut Mud, 360' Muddy Gassy Oil, IFP 51-114, ISIP 1182, FFP 156-187, FSIP 1182

11-1: Dst 2 (3495-3541) Op 30, Si 30, Op 60, Si 60, Rec. 270' GIP, 30' Heavy Oil and gas cut mud, 120' Heavy mud and gas cut oil, 60' Oil and gas cut mud (92% mud), IFP 62-73, ISIP 531, FFP 104-125, FSIP 531.

11-2: DST 3 (3545-3620) Open 30 min, Shut in 30 min, Open 60 min, Shut in 60 min, Strong Blow throughout, Recovered 570' Gas In Pipe, 30' Oil and Gas Cut Mud, 180' Heavy Mud Cut Oil, 60' Slightly Mud Cut

LOG TOPS #1 Werth 2155 KB		SPL TOPS #1 Weber
Anh.	1494 (+ 661)	
B/Anh.		
Top.	3184 (-1029)	
Heeb.	3412 (-1257)	
Lans.	3452 (-1297)	
"H" Zone	3610 (-1455)	
"I" Zone	3634 (-1479)	
"J" Zone	3656 (-1501)	
B/"J" Zone	3684 (-1529)	
Marm.	3749 (-1594)	
Arb.	3828 (-1673)	
RTD.	3839 (-1684)	

#1 Weber SPL. Tops

Anh.	1457	(+ 678)
B Anh.	1512	(+ 623)
Topeka	3166	(-1031)
Heebner	3396	(-1261)
Lansing	3438	(-1303)
BKC	3691	(-1556)

#1 Weber Log Tops

Anh.	1464	(+ 671)
B Anh.	1507	(+ 628)
Topeka	3161	(-1026)
Heebner	3389	(-1254)
Lansing	3430	(-1295)
B KC	3683	(-1548)
Marmaton	3726	(-1591)
Rew. Arb.	3810	(-1675)
Solid Arb.	3825	(-1690)
LTD	3860	(-1725)
RTD	3865	(-1730)

Gassy Oil and 60' Muddy Frothy Oil (330' Fluid)
Initial Flow Pressure 83-94, Final Flow Pressure 146-166,
Initial Shut in Pressure 634, Final Shut in Pressure 685.

Dst #4 (3612-3635) Open 20 min, Shut in 20 min, Open 20 min, Shut in 20 min, Weak Blow, Died. Recovered 10' Mud with trace of oil, All Pressures 42#

Drlg @ 3700

11-3-78: Dst #5 (3753-3780) Open 20 min, Shut in 20 min, Open 20 min, Shut in 20 min, Weak Blow,Recovered 10' Mud with few specks of oil, Initial shut in pressure 73, Initial Flow Pressure 42-42, Final Flow Pressure 42-42, Final Shut In Pressure 52.

Drlg @ 3811.

11-7-78: Ran 98 jts 3876' 5 1/2' 8R casing set at 3864' (bottom 11 jts 446' is used casing, rest is new Japanese NKK casing) cemented with 150 sxs salt sat Common Cement, 10 bbls salt water ahead of cement, Baker Buide Shoe & Insert Float, centralizers at 3832-3618-3542-2488-3414' shoe jt is 32.59' plug down at 12:15 PM.

11-13-78: Move in Completion tools, Perf. 3589-92 and 3569-73. Acidize w/1000 gal. 28%. Injection rate 4 BPM @ 850-900#. On vacuum in 4 minutes. Swab down. Swab at rate of 3 BFPH(mostly oil--not all of load back).

11-14-78: Swabbed 3 1/2 bbls fluid per hour for the last two hours, trace water.

11-15-78: 1000' fill up. Perf. 3501-06 and 3510-15, Acidize w/1500 gal. 28% acid. Overflushed with 36 bbls. water. Injection rate 5 bbls. per min. 900#'s pressure. Broke to vacuum in 15 min. Shut down overnight.

11-16-78: Fluid 2000' down from surface. Swab down-oil on first pull. Last two hour swab tests at rate of 9 BFPH, 80% oil and 56% oil (still lack 11 barrels of having load back). Preparing to run T & R and POP.

COMPLETION REPORT

Lease Weber # 1 Well No. _____ Zero Point 5 Ft. Above ~~Bdt.~~ GL

Location NW NW NE Sec. 11 Twp. 13S Rge. 20W Co. Ellis State Ks

Well Put in Production _____

Method _____ Amount _____

Pipeline RTD 3865'

Cable Tool Contractor _____

11-4-78 Ran 98 jts 3876' 5 1/2" 8R casing set at 3864' (bottom 11 jts 446' is used casing, rest is new Japanese NKK casing) cemented with 150 sxs salt sat Common Cement, 10 bbls salt water ahead of cement, Baker Guide Shoe & Insert Float, centralizers at 3832-3618-3542-2488-3414' shoe jt is 32.59' plug down at 12:15 PM

COMPLETION REPORT

NOV 2 0 1978

GL

Lease Weber Well No. 1 Zero Point 5 Ft. Above ~~B.H.~~ KK

Location NWNW NE Sec. 11 Twp. 13S Rge. 20W Co. Ellis State Ks

Well Put in Production

Method Amount

Pipeline

Cable Tool Contractor Bill's Well Service

11-10-78 Moved in Bill's Well Service double drum pulling unit, rigged up & filled in cellar.

11-13-78 Ran 5 1/2" casing swab, swabbed casing down to 2450' Petro Log ran Gamma Ray Collar Log, perf with DP jets 4 SPF from 3589-92' & 3569-73' ran 2 1/2" tubing with Baker Model,R packer & 1 jt tail pipe below packer, set packer at 3561' loaded hole with salt water & spotted acid over perfs, Service Acid Co acidized with 1000 gal 15% NE acid & flushed with 45 BSW 24 bbls over flushed with 24 bbls, zones started taking acid at 200# 6 gpm, with 1 bbl in formation sped up to 10 GPM at 300# 1/2 bpm at 500# 2 1/2 bpm at 750# 4 bpm at 900# well press started dropping slowly at 4bpm & ended up at 600# 4 BPM, to 100# on pump shutdown, on slight vac in 15 min load is 69 bbls, shut well in overnight.

11-14-78 Fluid 2100' down, ran swab to bottom & pulled all water, next pull was mostly oil, tested for 7 hrs pulling swab off bottom, last 2 hrs was 3.34 bfph with small amount of water, have recovered 55 BF lack 14 bbls of load.

11-15-78 Fluid 2500' down, pulled tubing & packer, Petro Log perf with DP jets 4 SPF from 3510-15 & 3501-06' ran 2 1/2" tubing with Baker Model R packer & Baker Retr. Bridge Plug, 1 jt tail pipe below Model R packer, set RBP at 3546' & Model R at 3482' Loaded hole with salt water & Service Acid Co spotted acid over perfs & acidized with 1500 gal 15% NE acid & flushed with 56 bbls salt water, 36 bbls overflush, started taking acid on loading, pumping 2 BPM at 100# 3 BPM at 350# 4 BPM at 900# to 300# on pump shutdown, on slight vac in 15 min, load is 92 bbls, shutin overnight.

11-16-78 Fluid was 2000' down, ran swab & swabbed to bottom, 1st pull off bottom had lots of oil, tested 5 hrs off bottom & well prod 8.35 BF last hr 75% oil, lack 5 bbls of having load back.

11-17-78 Unseated Model R packer, swabbed annulus water down to ~~XXXXX~~ 1500' off bottom, pulled Model R & RBP, ran tubing & rods, tore down unit & moved out.

duplicate

15-051-21571
11-13-20W

BIG SPRINGS DRILLING, INC.

P.O. BOX 8287
MUNGER STATION
WICHITA, KANSAS 67208

SUITE 29 • 400 NORTH WOODLAWN • (316) 681-1732

November 6, 1978

DRILLERS LOG

Re: Weber No. 1
NW NW NE
Sec. 11 - Twp 13s - Rq 20W
Ellis County, Kansas

OPERATOR: Tomlinson Oil Co., Inc.
CONTRACTOR: Big Springs Drilling, Inc.
COMMENCED: 10-24-78
COMPLETED: 11-4-78

Surface Pipe: 205' of 8 5/8" w/150sx Common 2% gel 3% ccl

0	205	Shale and Clay
205	1467	Shale, Clay, Redbeds
1467	1512	Anhydrite
1512	1845	Shale
1845	3265	Shale and Lime streaks
3265	3780	Lime
3780	3865	Lime
3865		RTD

RECEIVED
STATE CORPORATION COMMISSION
NOV - 9 1978
CONSERVATION DIVISION
Wichita, Kansas

We certify that the above and foregoing is a true and correct copy of the log on the #1 Weber located in Ellis County, Kansas.

BIG SPRINGS DRILLING, INC.

Paul A. Seymour, Jr.

Subscribed and sworn to before me this 6th day of November, 1978.

Ruth M. Bassett Notary Public

My Commission Expires:

May 30, 1979