

KANSAS

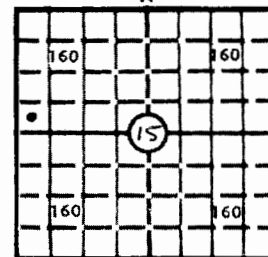
15-6-22W

WELL COMPLETION REPORT AND *State Geological Survey*
DRILLER'S LOG

WICHITA BRANCH

S. 15 T. 6 R. 22 ^WLoc. C SW¹/₄ SW¹/₄ NW¹/₄

County Graham

640 Acres
N

Locate well correctly

Elev.: Gr. 2,351

DF _____ KB 2,356

API No. 15 — 065 — 21,407
County Number

Operator

Energy Production, Inc.

Address

604 One Main Place, Wichita, Kansas 67202

Well No.

1

Lease Name

Rush Estate "A"

Footage Location

2310 feet from (N) ^W line 330 feet from (E) (W) line

Principal Contractor

Big Springs Drilling, Inc.

Geologist

Cliff Ottaway

Spud Date

5-31-81

Date Completed

7-21-81

Total Depth

3,910'

P.B.T.D.

3,851'

Directional Deviation

less than 2°

Oil and/or Gas Purchaser

Clear Creek, Inc.

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#	316'	Common	225	2%gel, 3% ccl
Production	7 7/8"	4 ¹ / ₂ "	9.5#	3,890'	60/40 poz.	175	18% salt, 2% gel.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1	SSB-DP Jet	3,739
			1	"	3,727
			1	"	3,711

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8" EUE	3,848'	NONE

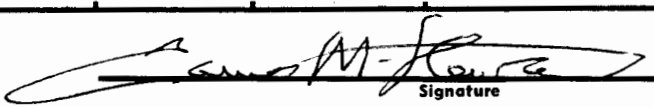
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
NONE	

INITIAL PRODUCTION

Date of first production June 21, 1981		Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 100 bbls.	Gas — MCF	Water NONE bbls.	Gas-oil ratio — CFPB	
Disposition of gas (vented, used on lease or sold) —			Producing interval (s) 3739, 3727 & 3711		

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, 245 No. Water, Wichita, Kansas 67202. 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 Production, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 1	Lease Name Rush Estate "A"	Oil	
S 15 T 6 R 22 W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
			DEPTH
DST #1: 30-45-60-90. Weak blow 1st opening, fair blow 2nd opening; rec. 35' free oil (38°GR) 55' OCM (5% oil, 95% mud). IFP 47-47; FFP 61-61; ISIP 1183; FSIP 1230.	3,588	3,615	Anhydrite Topeka Heebner Toronto Lansing-KC BKC Conglomerate Arbuckle R.T.D. L.T.D.
DST #2: 30-45-45-75. Strong blow 1st & 2nd open; rec. 80' GIP, 20' FO, 380' Muddy Wtr. IFP 75-108; FFP 167-221; ISIP 1226; FSIP 1225.	3,619	3,640	2002 (+ 354) 3373 (-1017) 3544 (-1188) 3569 (-1213) 3588 (-1232) 3778 (-1422) 3838 (-1482) 3877 (-1521) 3910 (-1554) 3905 (-1549)
DST #3: 30-45-30-30. Weak blow & died. Rec. 15' mud. IFP 40-40; FFP 50-50; ISIP 1256; FSIP 1196.	3,638	3,655	
DST #4: 30-45-30-45. Strong blow throughout test. Rec. 1260 FIP; 1,020 38° Gravity oil. IFP 74-212; FFP 261-367; ISIP 1221; FSIP 1204.	3,701	3,734	
DST #5: 30-45-30-45. Strong blow throughout test. Rec. 437' oil (38° gravity); 61' muddy oil (80% oil, 15% mud, 5% wtr.) 61' MCO (75% oil, 25% mud), 61' HOCM (40% oil 35% mud, 25% wtr.) IFP 54-100; FFP 154-191; ISIP 1249; FSIP 1233.	3,733	3,750	
DST #6: Misrun--packer wouldn't seat.	3,748	3,765	
DST #7: 30-30-30-30. Weak blow died first opening. Rec. 5' mud. IFP 10-10; FFP 10-10; ISIP 10; FSIP 10.	3,755	3,765	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature President Title July 24, 1981 Date		

7-9-77

15-6-22W #1

PT

BIG SPRINGS DRILLING, INC.

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

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

June 11, 1981

DRILLERS LOG

Re: Rush Estate "A" #1
C SW SW NW
Sec. 15 Twp 6S Rg 22W
Graham County, Kansas

OPERATOR: Energy Production, Inc.
CONTRACTOR: Big Springs Drilling, Inc.
COMMENCED: May 31, 1981
COMPLETED: June 8, 1981

Surface Pipe: 316' of 8 5/8" w/225 SX Common 2% gel 3% cc1

0	320'	Sand & Clay
320'	1605'	Shale
1605'	1758'	Sand
1758'	2012'	Shale
2012'	2041'	Anhydrite
2041'	3565'	Shale
3565'	3655'	Shale & Lime
3655'	3750'	Shale
3750'	3870'	Lime & Shale
3870'	3910'	Shale
3910'		RTD

RECEIVED
STATE CORPORATION COMMISSION
JUN 16 1981
CONSERVATION DIVISION
Wichita, Kansas

We certify that the above and foregoing is a true and correct copy of the log on the Rush Estate #1 located in Graham County, Ks.

Big Springs Drilling, Inc.


Paul A. Seymour, Jr.

Subscribed and sworn to before me this 11th day of June, 1981.

My Commission Expires:


LaDonna F. Landrum Notary Public

August 18, 1984

