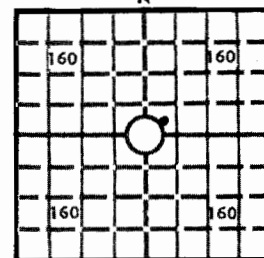


CONFIDENTIALS. 16 T. 27 S. R. 29 W
Loc. SW SW NE *relocated*
2/15/82County Gray640 Acres
N

Locate well correctly

Elev.: Gr. 2742'DF 2744' KB 2747'

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

KANSAS DRILLERS LOGAPI No. 15 — 069 — 20,040
County NumberOperator
Pendleton Land & Exploration, Inc.Address
23 Inverness Way East, Englewood, CO 80112Well No. # 1 Lease Name
PendletonFootage Location
2310 feet from (N) (X) line 2310 feet from (E) (W) linePrincipal Contractor
Brandt Drilling Co. Geologist
Thomas R. SatterSpud Date
3/30/79 Total Depth
5160 P.B.T.D.
4450Date Completed
5/4/79 Oil Purchaser
CRA, 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 $\frac{1}{4}$ "	8-5/8"	23	1650 E Log	Light Common	750 200	2% CaCl 3% CaCl
Production	7-7/8"	5 $\frac{1}{2}$ "	14 and 15 $\frac{1}{2}$	5159	Common	300	3% CaCl 2% gel

LINER RECORD**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1		4386-4386 $\frac{1}{2}$
			2		4382-4392
TUBING RECORD					
Size	Setting depth	Packer set at			
2 3/8	4350		4	Hydrojet	4385

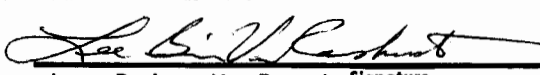
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gal 15% N.E. Acid	4382-4392
250 gal MCA	4385
squeeze w/ 150 sx 50/50 poz	4386-4386 $\frac{1}{2}$

INITIAL PRODUCTION

Date of first production <u>7/07/79</u>	Producing method (flowing, pumping, gas lift, etc.) <u>pumping</u>			
RATE OF PRODUCTION PER 24 HOURS	Oil <u>49</u> bbls.	Gas <u>0</u> MCF	Water <u>39.2</u> bbls.	Gas-oil ratio <u>CFPB</u>
Disposition of gas (vented, used on lease or sold)			Producing interval (s) <u>4386-4386$\frac{1}{2}$</u>	

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 Pendleton Land and Exploration, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:																																			
Well No. 1	Lease Name Pendleton	Oil Well																																			
S 16 T 27 S R 29 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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px; text-align: center;">NAME</th> <th style="padding: 5px; text-align: center;">DEPTH</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="padding: 5px;">Geological Tops</td> </tr> <tr> <td style="padding: 5px;">Anhydrite</td> <td style="padding: 5px; text-align: right;">1730</td> </tr> <tr> <td style="padding: 5px;">Heebner</td> <td style="padding: 5px; text-align: right;">4106</td> </tr> <tr> <td style="padding: 5px;">Toronto</td> <td style="padding: 5px; text-align: right;">4124</td> </tr> <tr> <td style="padding: 5px;">Lansing</td> <td style="padding: 5px; text-align: right;">4198</td> </tr> <tr> <td style="padding: 5px;">B/KC</td> <td style="padding: 5px; text-align: right;">4580</td> </tr> <tr> <td style="padding: 5px;">Marmaton</td> <td style="padding: 5px; text-align: right;">4600</td> </tr> <tr> <td style="padding: 5px;">Pawnee</td> <td style="padding: 5px; text-align: right;">4758</td> </tr> <tr> <td style="padding: 5px;">Ft. Scott</td> <td style="padding: 5px; text-align: right;">4782</td> </tr> <tr> <td style="padding: 5px;">Cherokee</td> <td style="padding: 5px; text-align: right;">4798</td> </tr> <tr> <td style="padding: 5px;">St. Gen</td> <td style="padding: 5px; text-align: right;">4954</td> </tr> <tr> <td style="padding: 5px;">St. Louis</td> <td style="padding: 5px; text-align: right;">5036</td> </tr> <tr> <td style="padding: 5px;">L. TD</td> <td style="padding: 5px; text-align: right;">5151</td> </tr> <tr> <td colspan="2" style="padding: 5px;">Note: Cores sent to K. Geol. Survey.</td> </tr> <tr> <td colspan="2" style="padding: 5px;">Logging</td> </tr> <tr> <td style="padding: 5px;">Schlumberger</td> <td style="padding: 5px; text-align: right;">FDC/CNL/GR BHC/GR DIL/SFL</td> </tr> </tbody> </table>	NAME	DEPTH	Geological Tops		Anhydrite	1730	Heebner	4106	Toronto	4124	Lansing	4198	B/KC	4580	Marmaton	4600	Pawnee	4758	Ft. Scott	4782	Cherokee	4798	St. Gen	4954	St. Louis	5036	L. TD	5151	Note: Cores sent to K. Geol. Survey.		Logging		Schlumberger	FDC/CNL/GR BHC/GR DIL/SFL
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DST #1 30-45-60-60 Rec. 20' oil, 20' 20' OCW, 3180 W FP 266-1178, SIP 1219-1236 DST #2 Straddle 30-45-60-60 Rec. 125' 0,GCM, 155' gassy oil, 90' OCW, 2110' W, FP 289-1103, SIP 1129-1182 DST #3 30-45-20-45 Rec. 65' SLi, OCM FP 52-63, SIP 1223-1213 DST #4 30-45-60-60 Rec. 350' gas, 130' 0, 60' muddy oil, FP 52-94, SIP 1184-1244 DST #5 30-45-90-60 Rec. 250' water FP 31-168, SIP 1160-1160 DST #6 30-45-60-60 Rec. 440' gas, 282' muddy oil, 1323' clem gassy oil, 1386' OCW. FP 991-1297, SIP 1297-1297 DST #7 30-45-60-60 Rec. 260' muddy gassy oil, gravity 17 @ 60 degrees, 1320' oily water. FP 1329-1329 DST #8 30-45-60-60 Rec 10' g.o., 115' OCM, 315' Slightly OCW. FP 52-263, SIP 1265-1223 DST #9 30-45-60-60 Rec. 1' oil, 85' OCW FP 10-63, SIP 1255-1223 DST #10 30-45-60-60 Rec. 530 water FP 52-158, SIP 1329-1286 DST #11 30-45-60-60 Rec. 136' oil, 125' OCM, 505' OCW. FP 94-358, SIP 1276-1181 DST #12 30-45-30-60 Rec. 135' mud FP 42-94,	4183 4183 4274 4310 4347 4370 4390 4420 4452 4545 4576 4686	4260 4206 4314 4350 4365 4404 4422 4451 4460 4578 4622 4742																																			
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