

Operator Name Pickrell Drilling Co., Inc. Lease Name Grumbien Trust "A" Well # 1
 Sec. 5 Twp. 17S Rge. 20 East County Rush
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests (log interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top). Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1372(+ 767)	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/Anhydrite	1408(+ 731)	
List All E.Logs Run:		Heebner	3512(-1373)	
Radiation Guard Log.		Lansing	3568(-1419)	
		Stark	3772(-1633)	
		Pawnee	3904(-1765)	
		B/Pawnee	3962(-1823)	
		Pawnee Sand	3976(-1837)	
		Fort Scott	3983(-1844)	
		Cherokee "A" Sand	3991(-1852)	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12 1/4"	8 5/8"	20#	565'KB	60-40 poz	275sx	2%gel, 3%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
P&A		60-40 poz	125sx	6% gel
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
N/A					
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
N/A					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravit

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: _____

PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 205
WICHITA, KANSAS 67202-1996
(316) 262-8427

COPY

CONFIDENTIAL

#1 Grumbien Trust "A"
NW NW SE
Section 5-17S-20W
Rush County, Kansas

API#: 15-165-21,712
2310' From South Line of Section
2310' From East Line of Section
ELEV: 2139' KB, 2137' DF, 2134' GL

- 1-06-98: Attempt to MIRT.
- 1-07-98: RURT & Spud.
- 1-08-98: (On 1-7) Spud @ 12:00 noon. Ran New 8 5/8"20# Csg. set @ 565' KB, cmt w/275sx of 60-40 poz, 2% gel, 3% CC. Cmt circ. PD @ 11:50 PM on 1-7-98. (On 1-8) Drlg. out from under surface.
- 1-09-98: Drlg. @ 1625'.
- 1-12-98: (On 1-10) Drlg. @ 2375'. (On 1-11) Drlg. @ 2945'. (On 1-12) Drlg. @ 3475'.
- 1-13-98: Drlg. @ 3912'.
- 1-14-98: DST #1 3958-3988' (Paw "B" Sd), 30"-60"-60"-90" Rec: 2520' M. Suspect hole in pipe will retest.
- 1-15-98: (On 1-14) Actual recovery 1604' M. All pressures invalid. Pipe strap 1.09' short of board. DST #2 3956-3988', (Retest Paw "B" Sand), 30"-60"-30"-60" Rec: 35' M. ISIP 127#, IFP 35-35#, FFP 35-35#, FSIP 104#. (On 1-15) Testing @ 4000'. DST #3 3950-4000' (Cke "A" Sd).
- 1-16-98: (On 1-15). DST #3 3952-4000, 30"-60"-120"-120", Wk blow, Rec: 75' thin M (Chl 2000 PPM - Mud system 7000 PPM). ISIP 754#, IFP 46-46#, FFP 58-69#, FSIP 580#. (On 1-16) Testing @ 4017'. DST #4 4000-4017' (Cke "B" Sd), 30"-60"-30"-60" Wk blow. Rec: 20' M, ISIP 895#, IFP 26-26#, FFP 26-26#, FSIP 872#.
- 1-19-98: (On 1-16) RTD 4017'. Ran E-Logs. LTD 4015'. P&A as follows: 50sx @ 1410', 50sx @ 595', 10sx @ 40', 15sx in RH (total 125sx) of 60-40 poz, 6% gel. Completed @ 1:15 AM on 1-17-98.

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

SAMPLE TOPS

Anhydrite	1374 (+ 765)
Base/Anhydrite	1409 (+ 730)
Heebner	3515 (-1376)
Lansing	3558 (-1419)
Stark	3775 (-1636)
Pawnee	3904 (-1765)
Base/Pawnee	3964 (-1825)
Pawnee "B" Sand	3981 (-1842)
Fort Scott	3985 (-1846)
Cherokee "A" Sand	3989 (-1850)
TD 4017'	

ELECTRIC LOG TOPS

Anhydrite	1372 (+ 767)
Base/Anhydrite	1408 (+ 731)
Heebner	3512 (-1373)
Lansing	3568 (-1419)
Stark	3772 (-1633)
Pawnee	3904 (-1765)
Base/Pawnee	3962 (-1823)
Pawnee Sand	3976 (-1837)
Fort Scott	3983 (-1844)
Cherokee "A" Sand	3991 (-1852)
LTD	4015'

FEB 2 1998