

NSAS

State Geological Survey

WELL COMPLETION REPORT AND  
DRILLER'S LOG

WICHITA BRANCH

S. 17 T.24S R.19E E W

API No. 15 — Allen —  
County Number

Loc. SW4 SW4 SW4 SE4

County Allen

Operator  
CHEROKEE RESOURCES, INC

Address  
110 N. State, Iola, Kansas 66749

Well No. 1 Lease Name Dreher

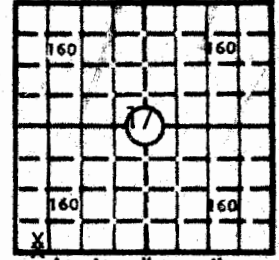
Footage Location  
165' feet from (N) (S) line 165' feet from (E) (W) line

Principal Contractor H & G Drilling Geologist

Spud Date 2-13-81 Date Completed 2-14-81 Total Depth 918.1 P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser

640 Acres  
N



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
Surface	10"	6 5/8"		60'	Portland	3	none
Production	3-1/2"	5 1/4"	9.3	914'			

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			none		
Size	Setting depth	Packer set at			
3 1/2 "	914'	911'			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Pumping natural	

INITIAL PRODUCTION

Date of first production March 27, 1981	Producing method (Flowing, pumping, gas lift, etc.)
RATE OF PRODUCTION PER 24 HOURS	Oil bbls. 1 Gas MCF 0 Water bbls. 0 Gas-oil ratio 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, 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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

# H & G PULLING AND ROTARY DRILLING CO.

17-24-1964

Phone: 365-3981 or 365-6005

P.O. Box 158  
Iola, Kansas 66749

**Cherokee Resources  
Lease: Broker  
Well #1  
Allen County, Kansas**

<u>THICKNESS</u>	<u>FORMATION</u>	<u>TOTAL DEPTH</u>
3	coil	3
9	clay	12
1	lime	13
2	shale	15
2	lime	17
3	shale	20
3	lime	23
3	shale	26
33	lime	59
32	shale	91
6	lime	97
35	shale	132
37	lime	169
10	lime, w/shale strks	179
50	lime	229
5	shale	233
28	lime	261
159	shale	420
2	lime	422
4	shale	426
14	lime, brown & broken	440
11	shale	451
4	lime	455
2	shale, dark	457
6	lime	463
11	shale	474
5	lime	479
15	shale	494
13	lime, sandy	507
13	shale	520
39	lime, w/shale strks	559
14	shale	573
2	lime	575
15	shale, w/lime strks	590
21	lime	611
11	shale, sandy & dark	622
4	lime	626
1	shale	627
3	shale, sandy & dark	630
4	shale, black	634
24	shale, light & sandy	658
1	lime	659

17-24-19

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Cherokee Resources  
Lease: Droher  
Well #1  
Allen County, Kansas

<u>THICKNESS</u>	<u>FORMATION</u>	<u>TOTAL DEPTH</u>
46	shale	707
4	shale, black	711
3	lime	714
27	shale, sandy	741
2	shale, black	743
12	shale	755
1	lime, brown	756
3	shale, black	759
29	shale, sandy	788
3	shale, black	791
53	shale, sandy	844
6	shale, dark	850
1	lime	851
29	shale, dark	880
4	shale, light	884
10	shale, dark	894
3	shale, dark & sandy	897
10	shale, dark	907
1	sand, brown no cror or show	908
3	shale, dark & sandy	911
4	oil sand	915
2	shale	917
	T.D.	917

12

90.8

Ran 60 ft. of 6 5/8" surface pipe.....Total depth of 917 ft.  
with seating nipple at 910 ft..... Ran 910 ft. of 2" tubing.

commenced drilling: 2-13-81  
completed drilling: 2-14-81

OILFIELD RESEARCH LABORATORIES

17-24-19E  
B

LOG

Name H H H Lease Dreher Well No. 1

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
911.0 - 912.6	Dark brown sandstone.
912.6 - 912.9	Gray sandy shale.
912.9 - 914.7	Dark brown sandstone.
914.7 - 915.3	Gray sandy shale.
915.3 - 915.6	Dark brown sandstone.
915.6 - 915.7	Gray shale.

Oilfield Research Laboratories

17-24-19E

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE I

Company H H H Lease Dreher Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	911.5	32.8	32	18	50	814	3066.
2	912.5	26.8	51	28	79	1060	296.
3	913.5	30.8	57	26	83	1362	1054.
4	914.5	33.8	36	17	53	944	2453.
5	915.5	28.7	45	25	70	1002	556.