

Chad

City/State/Zip Wichita, Kansas 67202-2904

.....

Phone 316/262-5418

NameDuke Drilling Co., Inc.,....

Site Geologist.....316/262-5418
Phone.....

X New Well Re-Entry Workover

X Dry Other (Core, Water Supply etc.)

Operator KTV

Well Name KAN

Comp. DateOld Total Depth.....

WELL HISTORY

X Mud Rotary	Air Rotary	Cable
--------------	------------	-------

261

If yes, show depth set.....feet

Cement Company Name

Invoice #

007-22,212

API NO. 15-.....

Barber

4515

Bartholow 1-2

N/A

Production Expenses: N/A

1456 1464

Section Plot

MAR 08 1969

RECEIVED

STATE CORPORATION COMMISSION

MAR 03 1985

CONSERVATION DIVISION

KANSAS GEOLOGICAL SURVEY

WATER SUPPLY INFORMATION

[illegible]

11/10/2019

Questions on this portion of the ACO + call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit #.....

Groundwater.....Ft North from Southeast Corner

Surface Water.....Ft North from Southeast Corner

City of Medicine Lodge, KS

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission.

Information on side two of this form will be held confidential for a period of 12 months if requested

One copy of all wireline logs and drillers time log shall be attached with this form. Submit OP-4 form with

SIDE TWO

Operator Name Rine Exploration Company Lease Name Bartholow Well # 1-2

Sec. 2 Twp. 33 South Rge. 12 West ☐ East ☒ West County Barber

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving 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 ☒ Yes ☐ No
 Samples Sent to Geological Survey ☒ Yes ☐ No
 Cores Taken ☐ Yes ☒ No

See Attached.

Formation Description
☒ Log ☒ Sample

Name	Top	Bottom
<u>Sample Tops</u>		
Base Deer Creek	3383	-1919
Heehner	3589	-2125
Lansing	3762	-2298
Stark	4175	-2711
Mississippian	4350	-2886
Kinderhook	4530	-3066
Viola	4643	-3179
Simpson	4736	-3272
RTD	4800	-3336
<u>E-Log Tops</u>		
Heehner	3589	-2125
Douglas Sand	3692	-2228
Lansing	3762	-2298
Stark	4125	-2661
Mississippian	4360	-2896
Kinderhook	4582	-3118
Viola	4644	-3180
Simpson Shale	4730	-3266
LTD	4802	-3338

RECEIVED
 STATE CORPORATION COMMISSION

1110001809
 CONSERVATION DIVISION
 Wichita, Kansas

CASING RECORD ☒ New ☒ 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 (New)	12 1/4"	8 5/8"	23#	261'	60/40 poz	160	2% gel, 3% CaCl
Production	7 7/8"	4 1/2"		4053'	60/40 poz	150	2% gel, 10% CaCl
						.075%	cfr & 5# gilsonite

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3769'-3774' & 3766'-3780'	Dumped 250 gal. acetic acid & loaded hole w/60 bbls. KCL water.	
2	3510'-3514' (Lower Elgin Zone)	Ran 7,000 gal. MOD-202 acid.	
3	3470'-3474' (Upper Elgin Zone)	10,000 gal. gelled fluid & 10,000 gal. treated water.	

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☐ No
115 Jts.					
Date of First Production	Producing Method				
	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....				

2-33-12W

Drill Stem Tests Taken:

DST #1: 3670'-3725' 30-60-45-90. Strong blow, gas to surface 4 min. into final flow, gauge - 4 MCFGPD. Rec. 390' heavy gas cut muddy water, 120' slightly oil cut muddy water.

IFP 162 - 162 ISIP 801
FFP 203 - 203 FSIP 649

DST #2: 3770'-3788' 30-60-40-90. Strong blow, gas to surface 1 min. Rec. 20' oil & gas cut mud - 30% oil and 50' gas cut muddy oil - 80% oil.

Gas gauges as follows:

IFP 5" 1,198 MCFGPD
10" 953 "
20" 764 "
30" 764 "

FFP 5" 1,123 MCFGPD
15" 863 "
25" 764 "
35" 654 "
40" 654 "

IFP 376 - 284 ISIP 1408
FFP 315 - 264 FSIP 1408

DST #3: 4173'-4187' 30-30-30-30. Weak blow, rec. 60' gas in pipe, 90' gas cut watery mud.

IFP 71 - 71 ISIP 1560
FFP 101 - 101 FSIP 1520

DST #4: 4352'-4371' 30-60-30-60. Weak blow building to fair, rec. 60' mud.

IFP 91 - 91 ISIP 101
FFP 91 - 91 FSIP 101

DST #5: 4729'-4743' 30-60-30-60. Strong blow, rec. 180' gas in pipe, 190' gas cut water w/scum of oil and 1620' water.

IFP 203 - 518 ISIP 1862
FFP 619 - 842 FSIP 1862

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	Completion attempt was unsuccessful. Will plug well in March, 1989.				
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☐ Perforation
☐ Other (Specify)

.....