

15-105-00360-00-00

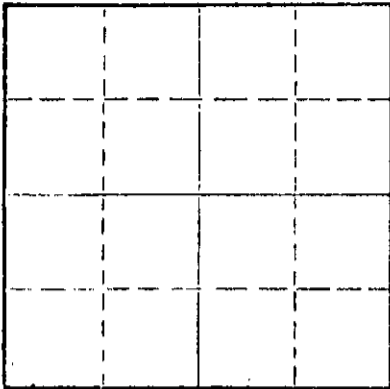
STATE OF KANSAS  
STATE CORPORATION COMMISSION

Form CP-4

WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission

P. O. Box 17027  
Wichita, Kansas 67217  
NORTH



Locate well correctly on above  
Section Plat

Rush County, Sec. 7 Twp. 16 Rge. 17 (E) W (W)  
Location as "NE/CNW/SW" or footage from lines NW NW SE  
Lease Owner Frontier Oil Company  
Lease Name Hartman #1 Well No. \_\_\_\_\_  
Office Address Wichita, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Gas  
Date well completed 1-14 19 63  
Application for plugging filed 4- 19 73  
Application for plugging approved \_\_\_\_\_ 19 \_\_\_\_\_  
Plugging commenced 5/3/73 19 \_\_\_\_\_  
Plugging completed 5/5/73 19 \_\_\_\_\_  
Reason for abandonment of well or producing formation depleted.

If a producing well is abandoned, date of last production 12- 19 69  
Was permission obtained from the Conservation Division or its agents before plugging was commenced? yes

Name of Conservation Agent who supervised plugging of this well Massey  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3511 Feet  
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8-5/8	1108	none
				4 1/2"	3503	2317

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Checked bottom, ~~1~~ pushed plug to 3100' and ran 10' sand, dumped 4 sacks cement. Loaded hole, shot pipe at 2545', 2454', 2361', worked pipe loose and pulled ~~30~~ joints of 4 1/2" casing. Set 10' rock bridge at 425' and dumped 6 yards ready mix. Tallied pipe.

PLUGGING COMPLETE.

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STATE CORPORATION COMMISSION  
MAY 17 1973  
CONSERVATION DIVISION  
Wichita, Kansas

05-17-1973

Name of Plugging Contractor KNIGHT CASING PULLING CO., INC.  
Address CHASE, KANSAS

STATE OF KANSAS COUNTY OF RICE, ss.  
NOEL J. KNIGHT (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) [Signature]  
CHASE, KANSAS  
(Address)

SUBSCRIBED AND SWORN TO before me this 7th day of May, 19 73

My Commission Expires \_\_\_\_\_  
MARGARET MELCHER  
NOTARY PUBLIC  
Rice County, Kansas  
My Commission Expires  
Feb. 15, 1975

Notary Public.

15-165-00360-00-00

January 4, 1932

Frontier Oil Company  
330 Fourth National Bank Building  
Wichita, Kansas

Re: Frontier Oil Company  
Hartman No. 1  
NW NW SE 7-100-17W  
Rush County, Kansas

Dear Sir:

The following is a Geological Report, with a Time Log attached on the above captioned well.

I was present during the drilling from 2500' to 3511', rotary total depth.

All tops and zones of porosity and staining are based on rotary flushing measurements. Any correction in measurements during the drilling of this well have been incorporated into this report.

Elevation	1930 DF	1932 RB
Anhydrite	1096	(+867)
Topeka	2064	(-1001)
Rechner	3198	(-1223)
Toronto	3212	(-1240)
Lansing-Kansas City	3240	(-1253)
Base of Kansas City	3471	(-1502)
Arbuckle	3498	(-1535)
Rotary Total Depth	3511	(-1548)
4 1/2" pipe at	3502	(-1540)

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CONSERVATION DIVISION  
Wichita, Kansas  
04-25-1973

Structurally, on top of the Topeka, the Hartman No. 1 ran 2' lower than the Kansas State approximately 1 mile North. The Lansing-Kansas City ran 8' lower than the Kansas State and the Arbuckle ran 2' lower than the Kansas State.

ZONES OF INTEREST

TOPEKA (Top 2064)  
2064 to 2070

Buff, chalky lime with no show.

DRILL STEM TEST NO. 1  
2938 to 2997

Tool open 1 hour with a weak blow throughout. Recovered 60' mud. All pressures 0#.

LANSING-KANSAS CITY (Top 3240)  
3240 to 3252

Chalky, white lime with a trace of free oil, a faint odor and a trace of light stain.

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DRILL STEM TEST NO. 2

3192 to 3250

Tool open 30 minutes with a weak blow for 5 minutes. Recovered 5' mud. All pressures 0%.

3268 to 3272

White, chalky calcareous lime with a scattered show of free oil, fair spotted stain and a good odor.

DRILL STEM TEST NO. 3

3254 to 3280

Tool open 30 minutes with a weak blow for 15 minutes. Recovered 15' mud. All pressures 0%.

3290 to 3296

White, chalky lime with a trace of free oil, a trace of light oil stain and a fair odor.

DRILL STEM TEST NO. 4

3280 to 3300

Tool open 30 minutes with a weak blow for 15 minutes. Recovered 5' mud. All pressures 0%.

3312 to 3317

White, vuggy to calcitic lime with a scattered show of free oil, fair spotted stain and a good odor.

DRILL STEM TEST NO. 5

3302 to 3332

Gas to surface in 3 minutes. Stabilized at 183,000 in 1 hour and 45 minutes. Recovered 180' gas cut mud. Initial and final flows 0%. 30 minute bottom hole pressure 1140%.

3378 to 3380

Tan vuggy lime with scattered show of free oil, fair spotted stain and a good odor.

DRILL STEM TEST NO. 6

3348 to 3385

Tool open 1 hour with a weak blow throughout. Recovered 270' gas, 40' gas cut mud. Initial and final flow 0%. 30 minute bottom hole pressure 220%.

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3400 to 3415

White, calcareous lime 99% barren. Trace of light stain. Faint odor. (Included in DST #7)

3422 to 3425

White chalky lime with no show. (Included in DST #7)

3430 to 3444

Dense tan lime with trace of light oil stain. (Included in DST #7)

3448 to 3454

Chalky white lime with no show.

DRILL STEM TEST NO. 7

3394 to 3400

Gas to surface in 2 minutes. Stabilized at 581,000 in 45 minutes. Recovered 210' gassy slightly oil cut mud. Initial and final flow 80. 30 minute bottom hole pressure 1320#.

DRILL STEM TEST NO. 8

3429 to 3430

Gas to surface in 8 minutes. Stabilized at 60,000 in 30 minutes. Recovered 60' gas cut mud. Initial and final flow 80. 30 minute bottom hole pressure 1300#.

ARBUCKLE (Top 3400)

3498 to 3500

Light grey medium crystalline dolomite with fair intergranular porosity, scattered shows of free oil, good spotted light stain and a good odor.

DRILL STEM TEST NO. 9

3498 to 3505

Tool open 1 hour with a weak blow throughout. Recovered 10' mud. Initial and final flow 80. 30 minute bottom hole pressure 1600#.

3505 to 3511

Light grey, medium to coarse crystalline dolomite with a scattered show of free oil, fair spotted stain and a good odor.

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DRILL STEM TEST No. 10

3805 to 3811

Gas to surface in 3 minutes.  
Stabilized at 1,715,000.  
Recovered 80" mud. Initial  
flow 7200. Final flow 5000.  
30 minute bottom hole pressure  
12000.

A 1 1/2" pipe was set at 3803', 8' off bottom, 3' in the Arbuckle  
with 150 sacks cement. Zero point is 5' AGL and the shoe joint is 33-00'  
long.

Sincerely,

*Richard D. Parker*  
Richard D. Parker <sup>MD</sup>