

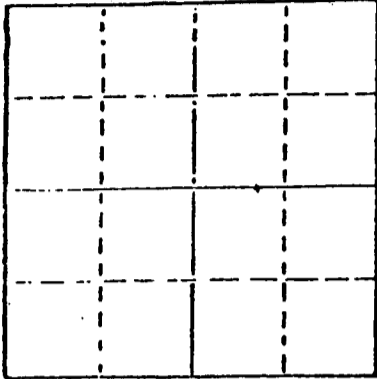
STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

15-057 2151800-00

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to
Conservation Division
State Corporation Comm.
245 North Water
Wichita, KS 67202

Ellis County, Sec. 34 Twp. 13S Rge. 19 E/W
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines
SW SW/4
Lease Owner Arapaho Petroleum, Inc.
Lease Name Velma Turner Well No. #34-1
Office Address P. O. Box 1272, Breckenridge, Texas 76024
Character of Well (Completed as Oil, Gas or Dry Hole)



Locate well correctly on above
Section Plat

Dry Hole
Date Well completed 12-18-78 19
Application for plugging filed 12-18-78 19
Application for plugging approved 12-18-78 19
Plugging commenced 12-18-78 19
Plugging completed 12-18-78 19
Reason for abandonment of well or producing formation
Commercial quantities of oil not found
If a producing well is abandoned, date of last production 19

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 Leo Massey, Hays, Kansas
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 3940'
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"	250'	None

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 hold. If cement or other
plugs were used, state the character of same and depth placed, from _____ feet to
_____ feet for each plug set.

Plug @ 720' w/70 sx.
Plug @ 240' w/20 sx.
Plug @ 40' w/10 sx.

01-10-79

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Rains & Williamson Oil Co., Inc.

STATE OF Kansas COUNTY OF Sedgwick, ss.

Wilson Rains, President of Rains & Williamson Oil Co., Inc. (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)

Wilson Rains

435 Page Court, 220 W. Douglas, Wichita, Ks. 67202
(Address)

20 day of December, 19 78

Juanita M. Green

Notary Public.

My commission expires

10-4-79



DRILLER'S LOG

15-051-21578-00-00

COMPANY: Arapaho Petroleum, Inc.

SEC. 34 T. 13S R. 19W

WELL NAME: Velma Turner #34-1

LOC. SW/4

COUNTY: Ellis

RIG NO. #4

TOTAL DEPTH 3940'

ELEVATION

COMMENCED: 12-9-78

COMPLETED: 12-18-78

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 250' w/150 sx. common, 2% gel, 3% cc.

PRODUCTION: D&A

LOG

(Figures Indicate Bottom of Formations)

Shale	490
Shale & Redbed	1155
Redbed, Shale & Lime	1575
Shale	2700
Shale & Lime	2955
Lime & Shale	3120
Shale	3280
Shale & Lime	3413
Lime	3413
Lime & Shale	3426
Shale & Lime	3525
Lime	3940
<u>ROTARY TOTAL DEPTH</u>	<u>3940</u>

STATE OF Kansas)

COUNTY OF Sedgwick)

SS:

I, Wilson Rains, President of Rains & Williamson Oil Co., Inc.

upon oath state that the above and foregoing is a true and correct copy of the log of the

Velma Turner #34-1 well.

Wilson Rains

Wilson Rains

Subscribed and sworn to before me this 20 day of December, 1978.

My Appointment Expires:

10-4-79

Juanita M. Green

Juanita M. Green



J. R. GREEN
JERRY GREEN

GREEN & GREEN
CONSULTING PETROLEUM GEOLOGISTS
400 EAST 20TH STREET 309 WEST 6TH STREET
P. O. BOX 503 HAYS, KANSAS 67601

AREA CODE 913
625-9023 OR 625-5155

December 18, 1978

15-051-21578-0000

GEOLOGIC REPORT

Arapaho Petroleum, Inc.
No. 1-34 Velma F. Turner
C SW SW 34-13-19W
Ellis County, Kansas
Commenced: 12/8/78
Completed: 12/18/78

Pipe Record:
8 5/8 @ 250' w/150 sacks
D. & A.: 3940 Reworked
Arbuckle
Anhydrite: 1568-1607
Drilled by: Rains &
Williamson Rig 4

ELEVATION 2253
2248 Ground 2250 D.F.

FORMATION DATA
(Corrected to Radiation Guard Log)

<u>FORMATION</u>	<u>SEA LEVEL DATA</u>	<u>DEPTH</u>
TOPEKA	-1025	3278
HEEBNER	-1289	3542
TORONTO	-1311	3564
LANSING-K.C.	-1335	3588
K.C. BASE-MARMATON	-1581	3834
CONGLOMERATE	-1624	3877
Re-worked ARBUCKLE	-1674	3927
LOG T.D.	-1690	3943

Cores: None.
Drill Stem Tests: Two, corrected to log measurements.
Electric Logs: Welex Radiation-Guard.

FORMATION DESCRIPTION

TOPEKA 3278-3542:

These fossiliferous and fine crystalline, firm to chalky, limestone benches have some excellent barren porosity that should be watched closely on higher wells.

TORONTO 3564-81:

Firm, fine crystalline and fossiliferous limestone.

LANSING-KANSAS CITY 3588-3834:

A, B Bench 3588-3610 Traces of lignite staining in a chalky to firm, fossiliferous and fine crystalline limestone that did not warrant testing. This calculates 12% porosity and 58% water from 3588-89 and 10% porosity and 58% water from 3604-06.

C Bench 3620-32 Traces of heavy free oil in a tight pinpoint vugular porosity. This was condemned by D.S.T. No. 1.

15-051 24598-00-00
D Bench 3637-53 Ample lignite laced, chalky to firm, fine crystalline limestone porosity with a minor amount of free oil. This calculates 5% porosity and 90% water from 3637-42, and was further condemned by D.S.T. No. 1.

E, F, G Bench 3660-3709 Chalky to firm fine crystalline and fossiliferous limestone with scattered lignite and asphalt staining. This calculates 6% porosity and 82% water from 3669-72 and 6% porosity and 65% water from 3685-87. This was condemned by D.S.T. No. 1.

Drill Stem Test No. 1 3610-3704:

Open 40 minutes, recovered 20 feet of very slightly oil spotted mud, flow pressures 60-71 pounds, 30 minute final bottom hole pressure 571 pounds.

H Bench 3721-36 Traces of oolitic vugular spotted stained limestone that calculates 4.5 to 6% porosity and 59 to 80% water from 3732-36. This was condemned by D.S.T. No. 2.

I Bench 3742-56:

J Bench 3762-79 These two benches had traces of free lively oil in hairline fractured, fine crystalline firm limestone. These calculate 8% porosity and 100% water from 3744-48 and 7% porosity 50 to 75% water from 3762-68. These were condemned by D.S.T. No. 2 and were probably the source of the water.

K, L Bench 3782-3834 This had some excellent oolitic, barren porosity that calculates 11% porosity and 22% water from 3786-89 and may have water, although I believe the recovery would have been greater on D.S.T. No. 2 with this good porosity had this been the water source.

M Bench 3846-53 This was included in the Marmaton rather than the Kansas City on this well because of the thick shale and shaley lime bench between L and M. The K.C. Base on some wells in this area have been called on the base of this limestone bench. Included in D.S.T. No. 2.

Drill Stem Test No. 2 3702-3854:

Open 2 hours, recovered 100 feet of muddy water, flow pressures 102 to 122 pounds, 30 minute initial bottom hole pressure 520 pounds, 45 minute final bottom hole pressure 500 pounds.

Arapaho Petroleum, Inc.
No. 1-34 Velma F. Turner
C SW SW 34-13-19W
Ellis County, Kansas

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15.051-21518-0000

CONGLOMERATE 3877-3927:

This top was called from the samples. This was a blood red shale section with interbedded vari-colored cherts.

Weathered or Reworked ARBUCKLE 3927-43:

This weathered fine to coarse crystalline dolomite was interbedded with Conglomerate and Simpson (waxy green to red) shales with traces of free heavy oil. The dolomite percent increased in the circulating samples which I believe indicates a true Arbuckle top at 3940. This is also indicated by a time change on drill time and a change on the Neutron (the only log that goes this deep). This is too deep to produce and since it is an eroded top does not help in the mapping of this area.

RECOMMENDATIONS

It was recommended and confirmed by all parties concerned to plug this hole. It was 29 to 44 feet lower on the Lansing top than tops called from electric logs on the oil wells to the south-southeast. All positive calculations were condemned by drill stem test.

Respectfully submitted,


J. R. Green

JRG/gc

15-057-21578-0000

ONE FOOT DRILL TIME FROM 2901' to 3940' R.T.D.:

2901 42121/42233/33434/34334/34344/34432/24434/45343/43334/44343
3000 32322/22332/21223/24332/22433/33343/22211/21112/24331/21112

3001 23223/22222/43434/43333/32332/42433/13242/42433/33323/35212
3100 43323/33332/31322/12222/32222/21112/22221/22222/21122/11212

3101 11111/11434/33323/32123/23232/22422/34322/22221/22222/22222
3200 22334/33242/34434/33434/32233/44215/42233/45543/33324/34444

3201 34434/42433/34232/12112/22134/44332/33224/23221/23222/12232
3300 33121/12121/11211/21111/11112/33232/33243/32332/21234/33333

3301 43233/32333/22323/23333/3223 $\frac{1}{2}$ / $\frac{1}{2}$ 2222/22333/33333/34445/44433
3400 44434/44234/23434/34433/33323/33232/22322/12212/12111/21223

3401 33333/34433/33341/46554/62445/33255/36233/43434/44535/53344
3500 45455/43444/42456/54643/35545/54565/65654/55545/56453/43555
(Trip 3413')

3501 55334/44443/34555/55654/66655/65547/67767/67765/33657/55553
3600 35544/44444/44455/56554/55554/64555/52434/55542/22335/45544

3601 73656/65444/45344/33665/66656/56666/55575/44566/67666/87793
3700 66555/46555/65645/44675/64564/55535/44454/56555/55555/55555
(Circulate 3700', D.S.T. No. 1 3606-3700)

3701 24567/64646/65444/54655/55346/88877/78764/65335/44334/44545
3800 45544/34345/33335/24355/65545/66545/54314/34555/55556/55576

3801 65555/56665/46575/65556/65556/56456/65456/65655/55446/67666
3900 12256/54445/56556/54454/44445/45566/34556/56433/54444/45543
(Circulate 3850', D.S.T. No. 2 3698-3850)

3901 45343/34443/44543/54455/32344/43434/44333/42433
3940
(Circulate, Radiation Guard Log, R.T.D. and D & A 3940')