

RELEASED

STATE CORPORATION COMMISSION OF KANSAS
Date: 01-11-1988
WELL COMPLETION OR RECOMPLETION FORM
FROM CONFIDENTIAL
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5140
Name Frontier Oil Company
Address 125 N. Market, Ste. 1720
City/State/Zip Wichita, Kansas 67202

Purchaser N/A

Operator Contact Person Jean Angle
Phone 316-263-1201

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Richard D. Parker
Phone 913-483-5348

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☒ Dry ☐ Other (Core, Water Supply etc.)

If **OWWO**: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

7-31-87..... 8-06-87..... 8-06-87.....
Spud Date Date Reached TD Completion Date

3337..... N/A.....
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 303 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name
Invoice #

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply.
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Jean Angle
Title Agent Date 9-4-87

Subscribed and sworn to before me this 4th day of September
1987.
Notary Public Ann Drennan
Notary Commission Expires 2-10-90



SIDE ONE

API NO. 15- 053-21,022

County Ellsworth

SE SE NE Sec. 32 Twp. 16 Rge. 10W East West

2970
330 Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

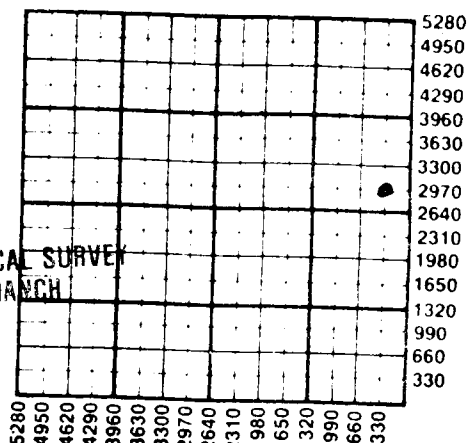
Lease Name Novotny "A" Well # 1

Field Name Stoltenberg

Producing Formation N/A

Elevation: Ground 1837 KB 1842

Section Plat



OCT 27 1988

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
Docket # ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Don Kozisek, Holyrod, Kansas 67450
Division of Water Resources Permit #.....

Groundwater.....Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West

☒ Surface Water 2000
2500 Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec 16 Twp 16 Rge 10 East ☒ West

Other (explain).....
(purchased from city, R.W.D. #)

K.C.C. OFFICE USE ONLY

☒ Letter of Confidentiality Attached
☐ Wireline Log Received
☐ Drillers Timelog Received

Distribution

☒ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☐ Other
(Specify)

Form ACO-1 (5-86)

SIDE TWO

Operator Name Frontier Oil Company Lease Name Novotny "A" Well # 1Sec. 32 Twp. 16 Rge. 10 ☐ East ☒ West County Ellsworth**CONFIDENTIAL**

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

Formation Description
☐ Log ☒ Sample
No Log run.

DST #1 (3276-3337) 30-30-30-30. 1st op - wk blo dead
in 15". wnd op - no blo. Rec. 15' M IF 22-22
FF 34-34 ISIP 269 FSIP 247

Name	Top	Bottom
Anhydrite	624	-1218
Heebner	2870	-1070
Toronto	2890	-1040
Brown Lime	2974	-1132
Lansing	2986	-1144
Base Kansas City	3268	-1426
Cherty Conglomerate	3292	-1450
Arbuckle	3330	-1488
RTD	3337	-1495

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	12 1/2"	8 5/8"	20 1/2	303	60-40 Poz.	170	2% gel, 3% d.c.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot		Specify Footage of Each Interval Perforated		Amount and Kind of Material Used			Depth
N/A							
TUBING RECORD				Liner Run ☐ Yes ☐ No			
Size		Set At		Packer at			
N/A							
Date of First Production		Producing Method					
N/A		☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
N/A		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

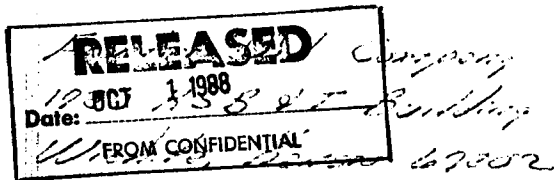
Production Interval

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

☐ Open Hole ☐ Perforation
☐ Other (Specify)

☐ Dually Completed
☐ Commingled

32-16-10W



Frontier Oil Company
 No. 1 Novotry A
 SESE NE 32-16S-10W
 Ellsworth County, Kansas

Dear Sir:

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

Drilling was supervised from 2700'
 to 3337', rotary total depth. Samples
 were examined from 2700' to rotary total depth.

All formation logs, curves of porosity and
 steering are based on rotary logging measurements.
 Any corrections in measurements during the
 drilling of this well have been incorporated
 into this report.

Elevation (American Elevations)	1839 DF - 1842 KB
Anhydrite	624 - 1218
Hecbier	2890 - 1028
Toronto	2890 - 1048
Brown Lime	2797 - 1132
Lensing	2783 - 1144
BHC	3268 - 1426
Charly Conglomerate	3292 - 1430
Air-boc Hle	3330 - 1488
ATD	3337 - 1495

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 (1) STATE CORPORATION COMMISSION

SEP 9 1987

CONSERVATION DIVISION
 WASHINGTON, D.C.

Structurally, on top of the Lansing, the No. 1 Nousty A ran flat with the Cent C Embretion Admet No. 1 on Arbuckle produced located one location East. On top of the Arbuckle, the No. 1 Nousty A ran 16' down to the Admet No. 1.

ZONES OF INTEREST

LANSING (TOD 2986)

2986 to 2990

white to tan fine
crystalline to cherty
lime with no show
of oil no odor

3150 to 3154

Tan solid to
colicastic lime
with no show of
oil and no odor.

3168 to 3176

White fine crystalline
lime with a trace of
free oil, trace of oil
stain and no odor.

3211 to 3219

Tan fine crystalline
to dense cherty lime
with no show of free
oil and no odor.

3240 to 3248

Tan fine crystalline
lime with no show
of oil and no odor.

(4)

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CONSERVATION DIVISION
Wichita, Kansas

33-1P-107

32-16-10W

3026 to 3033

white to tan oolitic
lime with no show of
oil and no odor.

3046 to 3048

Tan oolitic to fine
crystalline lime with
a trace of free oil
no odor.

3062 to 3068

Tan fine crystalline to
oolitic to slightly oolitic
lime with no show of free
oil and no odor

3088 - 3092

Tan fine crystalline
to oolitic lime with
no show of oil and no odor.

3100 to 3108

Tan well developed
oolitic lime with
no show of oil and
no odor.

(3)

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CONSERVATION DIVISION
Wichita, Kansas

5055.9

ARBUCKLE (Top 3330)

3330 to 3337

white to tan fine
crystalline to dense
dolomite with traces
of free oil some
very light gravity, &
good odor and
some light oil stain.

DRILL STEM TEST NO. 1 (FOC TEST)

3276 to 3337

30-33-33-30

First open well
blow diminishing to
no blow in 15 minutes.
Second open no blow.
Recovered 15' mud.
Initial flows 22" to 22".
Final flows 34" to 34".
Initial shut in pressure 269".
Final shut in pressure 247".

Due to low structural position and
negative drill stem test results the
No. 1 Novotny A was plugged an abandoned,
a dry hole.

Sincerely,

Richard D. Parker

Richard D. Parker

(5)

RECORDED
STATE OF KANSAS COMMISSION

SEP 9 1987

CONSERVATION DIVISION
Wichita, Kansas

DRILLING INFORMATION ON WELL NO. 1

Drilling Contractor: Red Tiger Drilling Co. Driller: Fisher
Tool Pusher: Walter Oden Oden
Arnold

Spud Date: July 31, 1987 Date of BTD: August 6, 1987
Surface Pipe: 8" @ 503' / 170' Casing: None

TOTAL FOOTAGE DRILLED PER DAY
Under Surface At 11:PM On July 31, 1987

840	Feet	At	7:00 AM	On	8-1-87
1865	"	"	"	"	8-2-87
2510	"	"	"	"	8-3-87
2922	"	"	"	"	8-4-87
3176	"	"	"	"	8-5-87
3337	"	"	6:02 AM	"	8-6-87