

15-403-21386-02-00

WELL PLUGGING RECORD (CORRECTED)

Give All Information Completely
 Make Required Affidavit

COUNTY Rooks SEC. 33 TWP. 8 RGE. 19 ~~EW~~
 Location as in quarters or footage from lines:
NE/SE/NE

		33	

Locate Well
 correctly on above
 Section Platt.

Lease Owner Frontier Oil Co.
 Lease Name Lowry Well No. #2
 Office Address 1437 N. Franklin - Russell, Ks. 67665
 Character of Well (Completed as Oil, Gas or Dry Hole): Oil
 Date Well Completed _____
 Application for plugging filed _____
 Plugging commenced June 22, 1982
 Plugging completed July 7, 1982
 Reason for abandonment of well or producing formation Depleted

Was permission obtained from the Conservation Division or it's
 Agent's before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Gil Balthazor

Producing formation Arbuckle Depth to top 3427 bottom 3445 T.D. 3445'

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"	243'	NONE
				4 1/2"	3443'	2613.18'

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.

Dumped sand to 3375' and four (4) sacks cement.
Shot pipe @2600'.
Pulled sixty-nine (69) joints of 4 1/2" casing.
Allied plugged well with five (5) sacks hulls, twelve (12)
sacks gel, one (1) sack hulls seventy (70) sacks 50/50 pozmix
cement with 6% added gel and 3% calcium chloride and eight (8)
sacks gel. Released plug and displaced seventy (70) sacks cement
at 600 psi max. press. Shut in with 200 psi.

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

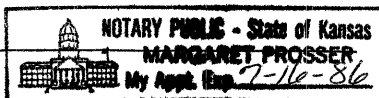
Name of Plugging Contractor Rockhold Engineering, Inc.

STATE OF KANSAS COUNTY OF BARTON, ss.
James W. Rockhold (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) James W. Rockhold
 JAMES W. ROCKHOLD - Box 698 - Great Bend, Ks.
 (Address) 67530

SUBSCRIBED AND SWORN TO before me this 20th day of August, 1982

My Commission expires:



RECEIVED
 STATE CORPORATION COMMISSION Public.

SFP 3 1982 7/3/82

CONSERVATION DIVISION
 Wichita, Kansas

15-163-21386-0000

WELL PLUGGING RECORD

Give All Information Completely
 Make Required Affidavit

COUNTY Rooks SEC. 33 TWP. 8 RGE. 19 ~~E/W~~
 Location as in quarters or footage from lines:
NE/SE/NE

Lease Owner Frontier Oil Co.
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Producing formation _____ Depth to top _____ bottom _____ T.D. 3445'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

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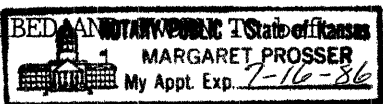
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(Signature) James W. Rockhold
 JAMES W. ROCKHOLD - Box 698 - Great Bend, Ks.
 (Address) 67530

SUBSCRIBED AND NOTARIED IN State of Kansas on this 20th day of August, 1982



Margaret Prosser
 Notary Public
 STATE CORPORATION COMMISSION

My Commission expires: _____

STATE CORPORATION COMMISSION

AUG 25 1982 8/23/82

CONSERVATION DIVISION
 Wichita, Kansas

15-163-21386-0020

#2 Lowry
DRILLERS LOG

CASING RECORD: 8 5/8" @ 243 w/ 170sx cmt
 COMPANY: Frontier Oil Company
 CONTRACTOR: Red Tiger Drilling Company
 COMMENCED: August 7, 1981
 COMPLETED: August 18, 1981
 DESCRIPTION: NE SE NE Sec. 33-8S-19W Rooks County, Kansas
 TOTAL DEPTH: 3445
 ELEVATION: 1995 KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Shale	0	900	
Sand	900	1132	
Shale	1132	1401	
Anhydrite	1401	1440	
Shale	1440	2125	
Shale & Lime Streaks	2125	2359	
Shale & Lime	2359	2531	
Lime & Shale	2531	2735	
Shale & Lime	2735	2916	
Lime	2916	3445	
RTD		3445	

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

George A. Angle

Subscribed & sworn to before me this 21st day of August, 1981.

Jean Stocks
Notary Public



My Commission Expires: 5-14-85

CORRECTED

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

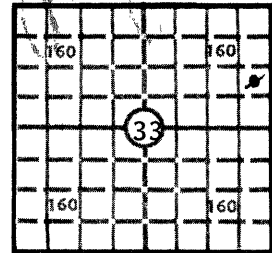
API No. 15 - 163 - 21,386 - 02 - 00
County Number

S. 33 T. 8S R. 19W E W

Loc. NE/4 SE/4 NE/4

County Rooks

640 Acres



Locate well correctly

Elev.: Gr. 1990

DF 1993 KB 1,995'

Operator

Frontier Oil Company

Address

1720 KSB Building, Wichita, Kansas 67202

Well No.

2

Lease Name

Lowry

Footage Location

990

feet from (S) line

330

feet from (E) line NE/4

Principal Contractor

Red Tiger Drilling Company

Geologist

Joel Alberts

Spud Date

8/7/81

Date Completed

8/18/81

Total Depth

3,445'

P.B.T.D.

Directional Deviation

n/a

Oil and/or Gas Purchaser

n/a

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	12 1/4"	8 5/8"	24#	243'	Common	170 sx	2% Gel, 3% CC
Production	7 7/8"	4 1/2"		3443'	Common	150 sx	10% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			-----	-----	-----
TUBING RECORD					
Size	Setting depth	Packer set at			
			-----	-----	-----

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 Gal INS (15%) Acid	3434-3442

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
9-30-81		pumping			
RATE OF PRODUCTION PER 24 HOURS		Oil	Gas	Water	Gas-oil ratio
12 BOPD		bbls.	-----	MCF 84	n/a
Disposition of gas (vented, used on lease or sold)				Producing interval (s)	
n/a				3432-3442	

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 on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Frontier Oil Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 2	Lease Name Lowry	Oil Well (P&A 7-7-82)
S 33 T 8S R 19W ^E _W NE SE NE		Webster Field

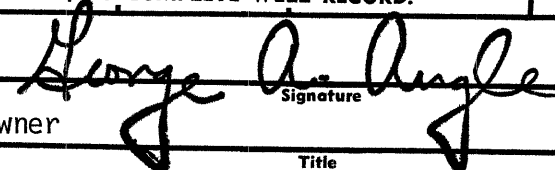
WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale	0	900	Anhydrite	1401(+ 594
Sand	900	1132	Brownville	2667(- 672
Shale	1132	1401	Tarkio	2752(- 757
Anhydrite	1401	1440	Howard	2908(- 913
Shale	1440	2125	Topeka	2937(- 942
Shale & Lime Streaks	2125	2359	Heebner	3142(-1147
Shale & Lime	2359	2531	Toronto	3164(-1169
Lime & Shale	2531	2735	Lansing-KC	3182(-1187
Shale & Lime	2735	2916	BKC	3399(-1404
Lime	2916	3445	Arbuckle	3427(-1432
RTD		3445	RTD	3445(-1450
			4 1/2"	3443(-1448
<hr/>				
DST #1 Op 30/SI 30 No blow Rec 10'M IF 20/FF 30 BHP 329#	3206	3225		
DST #2 Op 60/SI 30 Wk blo 40" Rec 15'WM IF 21/FF 31 BHP 278	3347	3405		
DST #3 Op 60/SI 30 Oq 60/SI 30 1stOpwk blo 15"/2nd Op WB 5" Rec 15'M IF 30/30 FF 30/30 ISIP 30# FSIP 30#	3389	3431		
DST #4 Op 25/SI 30 OP 15/SI 30 WDTNB Rec 10' WM IF 72/82 FF 82/82 ISIP 123# FSIP 111#	3389	3431		
DST #5 Op 60/SI 30 WB 15" Rec 10'OCM IF & FF 21 SIP 72#	3427	3436		
DST #6 Op 35 SI 30 WB 15" Rec 10'OCM IF & FF 62 ISIP 956#	3427	3441		
DST #7 Op 60/SI 30 FBITGBDT -0- 43" Rec 145' F/80'OCM, 65'OSM IF 82/FF 103 ISIP 978#	3427	3445		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	
	Signature
	Owner
	Title
	Date

9-1-81