12/6/84
KCC

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

API NO. 15 - 065-21,990 **18-6-21W**

County Graham

1210' FWL & 1000' FSL NW/4 **Sec** 18 **Twp** 6S **Rge** 21 [ ] East [X] West
(location)

4070 Ft North from Southeast Corner of Section
3640 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Frazey **Well#** 2

Field Name Boyse Southwest

Producing Formation TOP (Dam-Linda) ~~Lansing~~

Elevation: Ground 2282' **KB** 2287'

DESCRIPTION OF WELL AND LEASE

Operator: license # 5198
name A. Scott Ritchie
address 125 N. Market, Suite 950
City/State/Zip Wichita, KS 67202

Operator Contact Person Rocky Milford
Phone (316) 267-4375

Contractor: license # 6033
name Murfin Drilling Co.

Wellsite Geologist Leah Ann Kasten
Phone (316) 267-4375

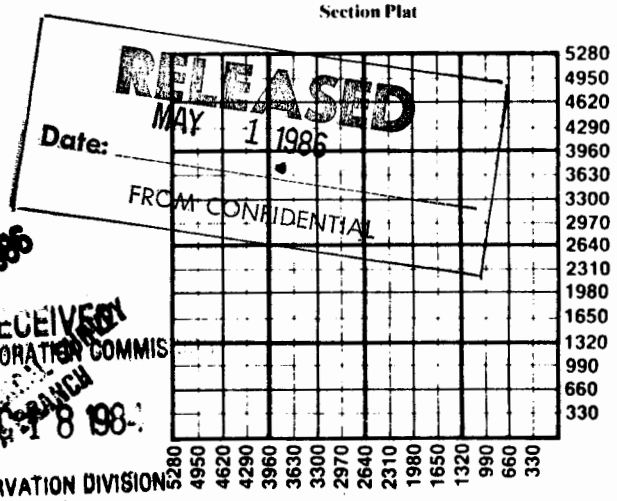
PURCHASER Koch Oil

Designate Type of Completion
[X] New Well [ ] Re-Entry [ ] Workover

[X] 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

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
MAY 29 1986
DEC 18 1984
CONSERVATION DIVISION
Wichita, Kansas

WELL HISTORY

Drilling Method: [X] Mud Rotary [ ] Air Rotary [ ] Cable

6/10/84	6/18/84	12/06/84
Spud Date	Date Reached TD	Completion Date

3850' RTD	n/a
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 252' feet

Multiple Stage Cementing Collar Used? [X] Yes [ ] No

If Yes, Show Depth Set 1952' feet

If alternate 2 completion, cement circulated
from 252 feet depth to surface w/ 180 SX cmt

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

[ ] Groundwater. Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge [ ] East [ ] West

[ ] Surface Water Ft North From Sourtheast Corner and
(Stream, Pond etc.). Ft West From Southeast Corner
Sec Twp Rge [ ] East [ ] West

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

Disposition of Produced Water: [ ] Disposal [ ] Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 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.

...py 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 ...ly abandoned wells.

SIDE TWO

Operator Name A. Scott Ritchie Lease Name Frazey Well# 2 SEC 18 TWP 6S RGE 22 ☐ East ☒ West

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

DST #1 from 3448' to 3480'(Topeka). Recovered 180' of gas in pipe, 240' of slightly mud cut oil and 60' of slightly oil cut muddy water.
IFP:44-66#/30"; ISIP:1239#/45";
FFP:132-143#/30"; FSIP:1228#/45".

DST #2 from 3488' to 3535' (Toronto). Recovered 120' of gas in pipe, 135' of oil cut watery mud, & 420' of oil cut muddy water (3% gas,35% mud, 13% oil & 49% water).
IFP:132-197#/30"; ISIP:1164#/45";
FFP:274-296#/30"; FSIP:1142#/45".

DST #3 from 3531' to 3553' (Top zone). Recovered 240' of oil spotted muddy water & 1980' of oil spotted water (4% oil, 6% mud, & 90% water).
IFP:623-883#/15"; ISIP:1250#/30";
FFP:1002-1078#/15"; FSIP:1250#/30".

DST #4 from 3557' to 3580' (50' zone). Recovered 120' of gas in pipe, 60' of oil, and 780' of oil spotted muddy water.
IFP:77-241#/30"; ISIP:1207#/30";
FFP:246-373#/30"; FSIP:1207#/30".

DST #5 from 3649' to 3706' (140',160',& 180' zones). Recovered 20' of mud with show of oil in tool.
IFP:77-77#/30"; ISIP:329#/30";
FFP:77-88#/30"; FSIP:164#/30".

(Continued on next page)

Formation Description ☒ Log ☐ Sample

Name	Top	Bottom
Anhydrite	1939'	(+ 348)
B/Anhydrite	1970'	(+ 317)
Topeka	3264'	(- 977)
Heebner	3499'	(-1213)
Toronto	3524'	(-1238)
Lansing	3540'	(-1253)
B/KC	3732'	(-1444)
Congl. Sand	3783'	(-1496)
Dolomitic sand	3832'	(-1545)
Arbuckle	3841'	(-1554)
LTD	3852'	(-1565)

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	12¼"	8-5/8"	24#	252'	quickset	180	--
Production	7-7/8"	4½"	10.5#	3849'	60/40 pozmix	175	10% salt, 20 bbls of brine preflush.

PERFORATION RECORD

shots per foot	specify footage of each interval perforated	Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used)	Depth
3 SSB jets	3784½' - 3788'	Acidized w/500 gal. of 15%MCA	3784½-88
2 SSB jets	3471½' - 3473'	Acidized w/500 gal. of 28%	3471½-73
2 SSB jets	3459' - 3464'	Acidized w/500 gal. of 28%	3459-64

18-6-21W

SIDE TWO (Page Two) ACO-1 WELL HISTORY

OPERATOR A. Scott Ritchie LEASE NAME Frazey #2 SEC. 18 TWP. 6S RGE. 21 (E) (W)X

FILL IN WELL LOG AS REQUIRED:

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
(Continued from page 1) DST #6 from 3701' to 3737' (200' & 220' zones). Recovered 20' of mud, no show of oil. IFP:77-77#/30"; ISIP:88#/30"; FFP:77-77#/30"; FSIP:77#/30". DST #7 from 3732' to 3797' (Conglomerate sand). Recovered 60' of oil spotted watery mud and 75' of oil spotted mud (4% oil, 72% mud, & 24% water). IFP:88-88#/30"; ISIP:1164#/45"; FFP:132-143#/30"; FSIP:1121#/45".				

29 1985

TUBING RECORD size set at packer at Liner Run ☐ Yes ☐ No

Date of First Production 12/06/84 Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain) .....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	25.00 Bbls	MCF	75% XXX Bbls	CFPB	

Disposition of gas: ☐ vented ☐ sold ☐ used on lease

METHOD OF COMPLETION
☐ open hole ☒ perforation
☐ other (specify) .....
☐ Dually Completed.
☐ Commingled

PRODUCTION INTERVAL
.....
.....

WELL LOG

Date: MAY 1 1986 18-6-21W
FROM CONFIDENTIAL

COMPANY A. SCOTT RITCHIE
125 N. Market, Suite 950
Wichita, KS 67202

FARM FRAZEY NO. 2

SEC. 18 T. 6S R. 21W
LOC. 1210' fWL & 1000' fSL NW

RIG. NO. 8

TOTAL DEPTH 3850'

COMM. 6-10-84 COMP. 6-19-84

COUNTY Graham
KANSAS

CONTRACTOR MURFIN DRILLING COMPANY
250 N. Water, Suite 300
Wichita, KS 67202

CASING

20 10
15 8 -5/8" csg set @ 252' w/180 sx Quickset
12 6
13 5
4-1/2" csg set @ 3849' w/180 sx 60-40 Pozmix

ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Sand & Shale		1937'
Anhydrite		1969'
Sand, Shale & Lime		2605'
Shale & Lime	(RTD)	3850'

NOV 29 1986
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

JAN 8 1985
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State Geological Survey
WICHITA, BRANCH

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