

TYPE

SIDE ONE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt. _____

State Geological Survey

WICHITA BRANCH

DOCKET NO. NP _____

(Rules 82-3-130 and 82-3-107)

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

F _____ Letter requesting confidentiality attached.

C _____ Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run _____.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 7185 EXPIRATION DATE June 30, 1984

OPERATOR Luff Exploration Co. API NO. 15-033-20,605

ADDRESS 1580 Lincoln COUNTY Comanche

Denver, CO 80203 FIELD _____

** CONTACT PERSON Richard Ferris PROD. FORMATION _____
PHONE 303-861-2468 _____ Indicate if new pay.

PURCHASER _____ LEASE Unruh-Mobil

ADDRESS _____ WELL NO. K-23

WELL LOCATION _____

DRILLING H-30, Inc. 1980Ft. from South Line and

CONTRACTOR _____ 1980Ft. from West Line of

ADDRESS 251 N. Water, Suite 10 the (Qtr.) SEC 23 TWP 31S RGE 17 (W). (Ex)

Wichita, Kansas 67202

PLUGGING Sun Oilwell Cementing, Inc.

CONTRACTOR _____

ADDRESS Box 169

Great Bend, KS 67530

TOTAL DEPTH 5020' PBD _____

SPUD DATE 9/19/83 DATE COMPLETED 10/1/83

ELEV: GR 1986' DF 1991' KB _____

DRILLED WITH ~~SCARLE~~ (ROTARY) ~~STAR~~ TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE _____

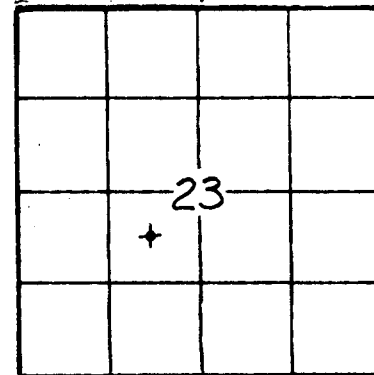
WELL PLAT

(Office Use Only)

KCC _____
KGS ☒

SWD/REP _____
PLG. _____

NCPA _____



ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

PL Trd Used?

No

Plugs	Amount and kind of material used	Depth Interval treated
35 sx 60-40 Pozmix w/2% gel and 3% CaCl2		4910'
50 sx 60-40 Pozmix w/2% gel and 3% CaCl2		960'
40 sx 60-40 Pozmix w/2% gel and 3% CaCl2		570'
10 sx 60-40 Pozmix w/2% gel and 3% CaCl2		0'-40'
15 sx - Rathole		
10 sx - Mousehole		

Date of first production

Producing method (flowing, pumping, gas lift, etc.)

Gravity

Estimated
Production-I.P.

Oil

Gas

Water

%

Gas-oil ratio

bbls.

MCF

bbls.

CFPB

Disposition of gas (vented, used on lease or sold)

Information contained herein is true and correct

WPI-1E-82

ACO-1 Well History

Side TWO

OPERATOR Luff Exploration Co. LEASE NAME Unruh-Mobil SEC 23 TWP 31S RGE 17 (W)WELL NO K-23

FILL IN WELL INFORMATION 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
☐ Check if no Drill Stem Tests Run. ☐ Check if samples sent Geological Survey.				
Red Bed	0'	300'	Chase	2379'
Red Bed and Shale	300'	846'	Council Grove	2748'
Red Bed	846'	1200'	Indian Cave	3199'
Red Bed, Shale and Shells	1200'	1290'	Howard	3618'
Red Bed and Sand	1290'	1350'	Topeka	3797'
Red Bed and Shale	1350'	1797'	Heebner	4117'
Shale, Shells and Lime	1797'	2200'	Lansing	4312'
Shale and Lime	2200'	2423'	Base Kans City	4736'
Lime and Shale	2423'	5020'	Marmaton	4746'
R.T.D.	5020'		Cherokee	4873'
			Reworked Miss.	4909'
			Solid Miss.	4940'
DST #1	4482'	4517'		
IF 15 min; ISI 60 min; FF 90 Min; FSI 120 min				
Recovery: 60' Watery mud				
120' Muddy water				
180' Total Fluid (No Cushion)				
IH: 2197; IF: 37-56; ISI: 1677; FF: 74-129;				
FSI: 1677; FH: 2178				
Sample Recovery: 455 cc mud; 845 cc water				
Rw .06 at 76 degrees F				
If additional space is needed use Page 2				

Report of all strings set — surface, intermediate, production, etc.

CASING RECORD (New) or (Used)

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#	525'	Class A Lite	100 200	2% gel, 3% c.c. 2% gel, 3% c.c.

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
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TUBING RECORD

Size	Setting depth	Pecker set at
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State Geological Survey

WICHITA BRANCH

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR Luff

LEASE NAME Unruh-Mobil

WELL NO. K-23

SEC 23 TWP 31S RGE 17 (K)
(W)

FILL IN WELL INFORMATION 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 &
Shut-in pressures, and recoveries.

Show Geological markers,
logs run, or Other
Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #2 IF 15 min; ISI 60 min; FF 90 min; FSI 120 min IF: Open tool with strong blow: GTS in 15 min FF: Put on 1/2" surface choke. Gauged flow at follows: 10 min - 251 mcf/d to 90 min in 116 mcf/d Recovery: 270' Slightly gas cut watery mud (no cushion) Sample Chamber: 80 psig; 100 cc mud Rw .25 at 76 degrees F IH: 2364; IF 148-176; ISI 1382; FF 93-93; FSI 821; FH 2346	4894'	4949'		