

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

License # 9446
Name N. F. Producers
Address 5151 W. First Ave.
City/State/Zip Denver, CO 80219

Operator Contact Person Norton Frickey
Phone

Fracture license # 5107
Name H-30, Inc.

Wellsite Geologist Keith Reavis
Phone 316-792-1383

Signature Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover

☐ SWD ☐ Temp Abd
☐ Inj ☐ Delayed Comp.
Dry ☐ Other (Core, Water Supply etc.)

OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

5-30-84 6-8-84 6-8-84
Drill Date Date Reached TD Completion Date

4650' PBTD

Amount of Surface Pipe Set and Cemented at 380' feet

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

Yes, Show Depth Set feet

Alternate 2 completion, cement circulated
m feet depth to w/ SX cmt

API NO. 15 - 007-21,836

County Barber

C SE SW Sec 25 Twp 31S Rge 13 West

660' Ft North from Southeast Corner of Section
3300' Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

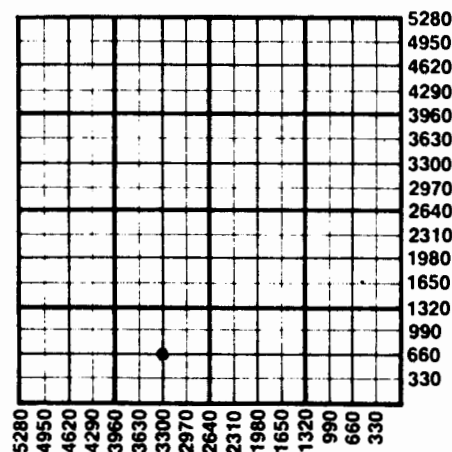
Lease Name Kimball A Well# 1

Field Name South Nurse

Producing Formation Mississippian

Elevation: Ground 1526' KB 1535'

Section Plat



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 Southeast 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 #

TUBING RECORD		size 2 3/8 set at 4147.44 GL packer at		Liner Run ☒ Yes ☐ No	
Date of First Production	Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)				
3/24/84					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
40 BOPD		20 MCF	15 BOWD	65% oil 35% water	38
	Bbls		Bbls	CFPB	

Disposition of gas: ☐ vented

☐ sold

☒ used on lease

METHOD OF COMPLETION

☒ open hole ☐ perforation
☐ other (specify)

PRODUCTION INTERVAL

4152/4155

Operator Name N.F. Producers Lease Name Kimball Well# 1. SEC. 25. TWP. 31S. RGE. 13. ☐ East ☒ West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests including 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

GENERAL WELL DATA

OWNER NF Producers

CASING RECORD

SURFACE 8 5/8 @ 380CONTR H-30 Drlg Rig 12PRODUCTION 5 1/2 @ 4610COMM 5-30-84TD DRLG. 4650COMP 6-7-84TD LOG 4655ELECT SURVEY 6-7-84

Name	Top	Bottom
Sand & red bed	0'	470'
Red bed	470'	892'
Shale	892'	1763'
Shale & slate	1763'	1940'
Shale & lime	1940'	3660'
Lime & shale	3660'	4200'
Shale & lime	4200'	4485'
Lime & shale	4485'	4630'
Lime	4630'	4650'
Rotary total depth	4650'	

PRODUCTION ELEVATIONS MEASUREMENTS ARE

Mississippi KB 1526 GL 1517 ALL FROM KB

DRILL STEM TEST INFORMATION
 Halliburton Services

DST#1: DEPTH TESTED: 4152 - 4175

FIRST FLOW: Blow built to bottom of
 bucket in 11 min. blow
 continued off bottom of
 bucket throughout opening

2ND FLOW: Strong blow to bottom of
 bucket immediately strong blow
 continued throughout opening

RECOVERY: 700' sl. gas in pipe

Formations	Sample Top	Elec Log Top
Indian Cave	2573	2570
Heebner	3478	3479
Toronto	3491	3496
Douglas	3513	3516
DGL 1st SD	3602	3602
DGL 2nd SD	-	-
Lansing	3655	3660
Swope	3998	3999
Hertha	4046	4046
Miss	4149	4152
Kinderhook	4304	4303
Viola	4406	4399
Simpson	4486	4487
Arbuckle	4604	4605

JUL 5 1984

State Geological Survey

CASING RECORD

☒ new☐ used

WICHITA BRANCH

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	12-1/4"	8-5/8"	24#	380'	Class H	225	2% gel, 3% ce
PRODUCTION	7-7/8"	5-1/2"	14#	4610'	Class A	175	
					Mud sweep	500 gal.	

PERFORATION RECORD

hours per foot	specify footage of each interval perforated
4	3 ft. / 4 holes per ft.

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used)

Depth

first treatment: 500 gallons MCA	4152/4155
15% Acid	
2nd treatment: Fracture	4152/4155
5000 gal XC-3 5 gal clay ben	
850 #KCL 1 gal breaker D	750 gal 15%
12 gal NE-4 5800 # 10/20 sand	2 gal L-2



p1

Doug Frickey
Vice President
Bus. (303) 934-2464

25-31-13w
1 'A' Kimball

DRILL STEM TEST INFORMATION

RECOVERY - Cont'd. 10' sl. oil & gas cut mud
 1% gas 2% oil 97% mud
 60' Hv. oil & Gas cut mud
 20% gas 25% oil 55% mud

IHSP 1982 FFP 50-60
IFP 40-40 FSIP 418
ISIP 477 FHSP 1963

TIME 45-60 45-60
BOTTOM HOLE TEMP 111 degrees

DST #2: DEPTH TESTED: 4175-4200
 FIRST FLOW: Fair blow built to 6" in bucket
 by end of opening
 2nd FLOW: Fair blow built to 5" in bucket
 by end of opening
 RECOVERY: 10' mud

IHSP 1963 FFP 40-40
IFP 40-40 FSIP 90
ISIP 139 FHSP 1963

TIME 45-60 45-60
BOTTOM HOLE TEMP 112 degrees

Remarks: Due to favorable structural position and results of DST #1, it was recommended to set 5½" casing at a total depth of 4,610 feet, perforate and further test the Mississippi, then using dual completion, utilize the Arbuckle for salt water disposal at a later date.

RECEIVED
STATE CORPORATION COMMISSION

JUL 02 1984

CONSERVATION DIVISION
Wichita, Kansas