

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-.....15-101-20,288-00-00

County.....Lane

NE NW NE Sec 16 Twp 17S Rge 27W East
.....XX West

4950' Ft North from Southeast Corner of Section
1650' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below) **3Dkcc**

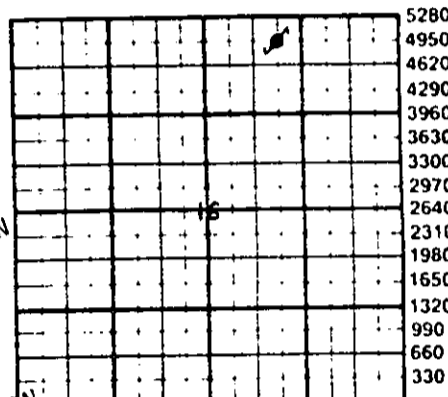
Lease Name.....SELFRIDGE 'A' Well #.....12

Field Name.....Selfridge Ext.

Producing Formation.....

Elevation: Ground.....2701.....KB.....2708

Section Plat



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STATE CORPORATION COMMISSION
AUG 22 1988
ENGINEER DIVISION
Wichita, Kansas

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:
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.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West

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

Operator: License #5144.....
NameMull Drilling Company, Inc.....
AddressP.O. Box 2758.....
City/State/ZipWichita, KS 67201.....

Purchaser.....

Operator Contact Person
Phone

Contractor: License #
Name

Wellsite Geologist.....
Phone.....

Designate Type of Completion P&A - Depleted well
____ New Well ____ Re-Entry ____ Workover

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

If OWO: old well info as follows:
Operator
Well Name
Comp. DateOld Total Depth.....

Please see attachments WELL HISTORY

Drilling Method:
____ Mud Rotary ____ Air Rotary ____ Cable
.....
Spud Date Date Reached TD Completion Date
.....
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at.....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 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. Rule 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.
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
Title.....Geologist - Kansas Date8/19/88

Subscribed and sworn to before me this 19th day of August, 1988
Notary Public: PATRICIA L. UNGLEICH
Date Commission Expires: March 27, 1991

K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C _____ Wireline Log Received
C _____ Drillers Time Log Received
Distribution
✓ KCC _____ SWD/Rep _____ NGPA
✓ KGS _____ Plug _____ Other
(Specify)
8-22-88

Section 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

SIDE TWO

Operator Name Lease Name..... Well #.....

Sec..... Twp..... Rge..... East West County.....

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

Name Top Bottom

Please see Old C-10 (Drillers Log) enclosed, Well Log; filed June, 1978 for pertinent information.

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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
.....
.....
.....
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used		Depth	
.....	
.....	
.....	
TUBING RECORD							
Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method					
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease

Open Hole Other (Specify)

Perforation Dually Completed Commingled

P&A - Depleted well

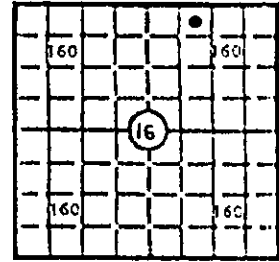
KANSAS DRILLERS LOG

S. 16 T. 17S R. 27 ^{XB}_W

Loc. NE NW NE

County Lane

640 Acres
N



Locate well correctly

Elev.: Gr. 2701

DF 2705 KB 2708

API No. 15 — 101 — 20,288-00-00
County Number

Operator Mull Drilling Company, Inc.

Address 415 Page Court, 220 W. Douglas, Wichita, Ks 67202

Well No. 2 Lease Name Selfridge 'A'

Footage Location 330 feet from (N) (S) line 990 feet from NE (W) line

Principal Contractor Blue Goose Drilg. Co. Geologist Jerold Jespersen

Spud Date 1-29-78 Total Depth 4645 P.B.T.D.

Date Completed 3-23-78 Oil Purchaser Permian

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	Socks	Type and percent additives
Surface	12 $\frac{1}{2}$	8 5/8	20#	244'	Common	175	3% cc 2% Gel
Production	7 7/8	5 1/2	14#	4643	50-50 Poz	75	10% salt 3/4 of 1% CFR

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			<i>left off</i>		
			<i>4245-10</i>		4579-88
			<i>4250 = Landing</i>		4454-60

TUBING RECORD

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2000 gals 15% MCA	
3000 gals 15% HCL	
1500 gals 15% NE	

INITIAL PRODUCTION

Date of first production <u>4-9-78</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>42</u> bbls. Gas <u>38</u> MCF Water <u>38</u> bbls. Gas-oil ratio <u>CFPB</u>
Disposition of gas (vented, used on lease or sold)	Producing interval(s) <u>Pawnee/Cherokee</u>

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, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

15-101-20288-00-00

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Operator Mull Drilling Company, Inc.
 Well No. 2 Lease Name Selfridge 'A' Oil

S 16 T 17S R 27 K W

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
Sand 41	Shale & Shells	3180	E-LOG TOPS:	
Sand & Shale 1475	Shale	3369	Anhydrite	2118
Shale 1695	Shale & Lime	3510	B/Anhy	2146
Shale & Sand 2075	Lime	4310	Heebner	3948
Anhydrite 2120	Shale & Lime	4345	Toronto	3970
Shale & Lime 2150	Lime	4415	Lansing	3990
Shale & Sand 2330	Shale & Lime	4470	Stark	4240
Shale & Shells 2450	Lime & Chert	4505	B/KC	4312
Shale & Lime 2985	Shale & Lime	4560	Marmaton	4322
	Lime	4645	Pawnee	4447
			Ft Scott	4497
			Cherokee	4520
			B/Chero Lm	4573
			Miss	4602
			LTD	4646
DST #1 4238-56/30-45-60-60, Fair blow, 3' in bkt, Rec 10' OCM (70% mud, 30% oil), 120' Hvy OCM (30% mud, 70% oil), 150' Mdy Oil (10% mud, 10% wtr, 80% oil), 30' Wtr, 310' Total Fluid, ISIP 1129#, IFP 68-91#, FFP 136-148#, FSIP 1064#, shut in pressure curves still building				
DST #2 4280-4310/30-45-90-60, Weak blow thruout, Rec 80' Wtry Mud (80% wtr, 20% mud), 240' Wtr, ISIP 1238#, IFP 79-102#, FFP 159-204#, FSIP 1206#				
DST #3 442-70/30-45-90-60, Fair blow, 3" in bkt, Rec 124' OCM (70% mud, 30% oil) 186' Sl Mdy Oil Grav 41°, 310' Total Fluid, ISIP 1228#, IFP 68-91#, FFP 102-136#, FSIP 1151#				
DST #4 4566-85/30-45-30-45, Weak blow died 30 minutes, flushed 2nd flow no help, Rec 20' Mud, Sl show oil (Sl show free oil on top of tool), ISIP 1261#, IFP 68-68#, FFP 91-79# FSIP 1217#, shut in pressures till building some				
DST #5 4577-95/30-45-90-60, Weak blow/30 minutes died, flushed tool 2nd flow no help, Rec 62' Very slightly oil spotted mud (sl show free oil top of tool), ISIP 1326#, IFP 68-68#, FFP 68-79#, FSIP 1261#				

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 AUG 22 1968

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

Date Received _____ Signature _____
 _____ Title _____
 _____ Date _____

15-101-20288-00-00

WELL LOG
Selfridge A #2
NE NW NE 16-17S-27W
Lane County, Kansas

Name of Operator: Mull Drilling Co., Inc.
415 Page Court, 220 W. Douglas
Wichita, Kansas 67202

Date Completed: February 11, 1978

FROM	TO	
0	41	Sand
41	1475	Sand and shale
1475	1695	Shale
1695	2075	Shale and sand
2075	2120	Shale and lime
2120	2150	Anhydrite
2150	2330	Shale and lime
2330	2450	Shale and sand
2450	2985	Shale and shells
2985	3180	Shale and lime
3180	3369	Shale and shells
3369	3510	Shale
3510	4310	Shale and lime
4310	4345	Lime
4345	4415	Shale and lime
4415	4470	Lime
4470	4505	Shale and lime
4505	4560	Lime and chirt
4560	4585	Shale and lime
4585	4645	Lime
4645		Total Depth

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STATE CORPORATION COMMISSION

AUG 22 1988

CONSERVATION DIVISION
Wichita Kansas

STATE OF KANSAS

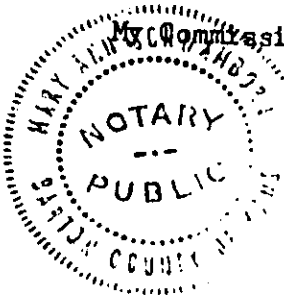
COUNTY OF BARTON ss

George E. Miller, Jr., President of Blue Goose Drilling Co., Inc. 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.

George E. Miller, Jr.
George E. Miller, Jr.

Subscribed and sworn before me this 15th day of February, 1978.

Mary Ann Schwaborn
Notary Public Barton County



#2

Phone 913-483-2627, Russell, Kansas
Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No 3957

Home Office P. O. Box 31

Russell, Kansas 67665

"Old"

Date	7-22-88	Sec.	16	Twp.	17	Range	27	Called Out	2:15 PM	On Location	3:30 PM	Job Start	4:30 PM	Finish	5:15 PM	
Lease	Selfridge "A"			Well No.	"2"			Location	Joe Hambs Rd 15N 1W 3N			County	Lane		State	Kansas

Contractor		Kelsp	
Type Job		Old Hole	
Hole Size	T.D.		
Csg. 5 1/2"	Depth 4643'		
Tbg. Size	Depth		
Drill Pipe	Depth		
Tool	Depth		
Cement Left in Csg.	Shoe Joint		
Press Max. 500 #	Minimum 100 #		
Meas Line	Displace		

Owner	Same		
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Charge To	Mull Drilling Co., Inc.		
Street	Box 421		
City	Ness City	State	Ks. 67560
The above was done to satisfaction and supervision of owner agent or contractor			
Purchase Order No.	X Dallas Falls		

Perf.			
"Ness City"			
EQUIPMENT			
#	No.	Cementer	
Pumptrk	158	Helper	Rayson
		Helper	Robane
		Cementer	
Pumptrk		Helper	
#		Driver	Bud W
Bulktrk	96		
Bulktrk		Driver	

CEMENT	
Amount Ordered	3000x 60/40 6% gel
Consisting of	
Common	180 900.00
Poz. Mix	120 270.00
Gel. 18	121.50
Chloride	
Quickset	
AUG 22 1988	

DEPTH of Job	
Reference:	Pump Truck charge 150.00
	Mileage 31.00
	Sub Total
	Tax
	Total 181.00

Handling .90	270.00
Mileage 31	279.00
	Sub Total
	Total 1840.50

Remarks: Mixed ~~200~~ 200 ax
60/40 6% gel down 5 1/2' casing
100 # shut in.
Mixed 100 ax 60/40 6%
down backside, shut in at 100 #
Thank You.

Floating Equipment

Total \$ 2021.50