

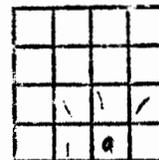
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
 508 East Murdock, Wichita, Kansas

Company- **MULL DRILLING CO., INC.**
 Farm- **Zundle** No. **1**

SEC. **29** T. **33** R. **14W**
 C SW SE

Total Depth. **4715'**
 Comm. **11-19-58** Comp. **12-4-58**
 Shot or Treated.
 Contractor. **Mull Drilg. Co.**
 Issued. **1-24-59**

County **Barber**
KANSAS



CASING:
 8 5/8" 796' cem w/100 sx. on bottom & 700 sx down
 outside pipe.

Elevation. 1705' RB

5 1/2" 4715' cem w/100 sx.

Production. 16,750,000 CFG

Meas. from top of RB.

Figures indicate Bottom of Formations.

red bed	920
red bed & shale	1516
shale	1790
lime & shale	1947
lime	2253
lime & shale	2350
lime	2405
lime & shale	3344
sandy lime & shale	3998
lime & shale	4167
lime	4287
lime w/shale	4412
lime	4556
lime & shale	4615
lime	4648
Mississippi	4678
Dolimitic chert - Miss.	4715
Total Depth	

TOPS: SCOUT

Heebner	3872
Lansing	4068
Mississippi	4648

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

Operator: License # ... 5144
Name Mull Drilling Company, Inc
Address P.O. Box 2758
City/State/Zip .. Wichita, KS .. 67201

Purchaser

Operator Contact Person Paul Gunzelman
Phone ... 264-6366

Contractor: License #
Name Company Tools

Wellsite Geologist..... Albert Lukken
Phone.....

Designate Type of Completion
___ New Well ___ Re-Entry ___ Workover
___ Oil ___ SWD ___ Temp Abd
___ Gas ___ Inj ___ Delayed Comp.
 Dry
If ~~CMO~~ old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:
 Mud Rotary ___ Air Rotary ___ Cable

11/19/58 4715' 2/11/59
Spud Date Date Reached TD Completion Date

4715'
Total Depth PBTD (See back)

Amount of Surface Pipe Set and Cemented at 796' feet
Multiple Stage Cementing Collar Used? ___ Yes No
If yes, show depth set..... feet
If alternate 2 completion, cement circulated
from 4715' feet depth to surface 325 cmt
Cement Company Name Halliburton Dn. 5 1/2" 125 SX
Invoice # 80162

API NO. 15-... None issued
County..... Barber
C... SW SE Sec. 29 Twp 33S Rge 14W XXXXXX West

660.... Ft North from Southeast Corner of Section
1980.... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

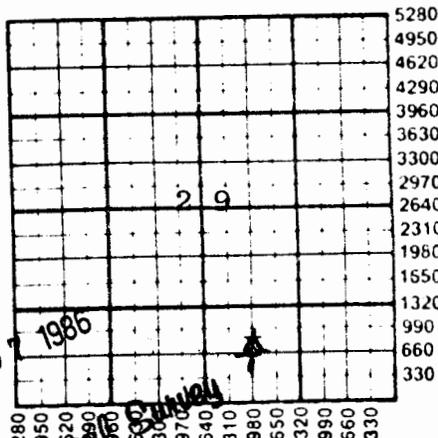
Lease Name..... Zundle Well #... #1

Field Name..... W. Medicine Lodge

Producing Formation.....

Elevation: Ground.. 1700..... KB.. 1705.....

Section Plat



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

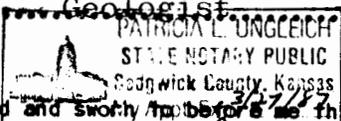
___ Other (explain).....
(purchased from city, R.W.D. #)

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 Paul M. Gunzelman

Title..... Geologist Date 2/05/86



Subscribed and sworn to before me this 5th day of February 1986.

Notary Public..... Patricia L. Ungleich

Date Commission Expires.. 3/27/87

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)

STATE CORPORATION COMMISSION

FEB 6 1986

Form ACO-1 (7-84)

Sec 29 Twp 33S Rge 14W

Operator Name ...MULL. DRILLING COMPANY, INC... Lease Name...ZUNDLE..... Well #...#1...

Sec...29..... Twp...33S..... Rge...14W..... West County.....Barber.....

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

29-33S-14W Zundle #

DST #1 4645-4678/Packer failure

DST #2 4650-4678

TTS / 2 1/2 min. Tool open 2 hrs

Gauges: 500,000 cfg 15 min.
 584,000 30
 616,000 45
 660,000 1 hr
 700,000 1 1/2 hrs
 734,000 1 1/2 hrs
 750,000 1-3/4 hrs
 760,000 2 hrs

Rec: 164' gas cut mud

IFP 120# FFP 180#

IBHP None FBHP 1780# 30 min.

DST #3 4679-4715

GTS in 14 min. TSTM. Close to 40,000

cf. Rec: 134' gas cut mud

IBHP None FBHP 1820# 30 min. IFP 50# FFP 100#

Name	Top	Bottom
Heb Sh	3862	-2157
Lansing	4066	-2361
Marmaton	4547	-2842
Miss	4648	-2943
LTD	4715	-3010

*On surface pipe: C/8-5/8" swedge in pipe w/plug. Pmpd to 775'. Cemt on bttm w/100 sx; outside pipe, cemt w/1-inch pipe & 700 sx - Pozmix and common

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
Surface	12 1/2"	8-5/8"	23#	796'	800 sx	60-40 doz	Cmmn 2% cc
Production	7-7/8"	5-1/2"	14#	4715'	60-40 poz	2% cc	100 sx

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	4652-4672	500 gal 12/18/58	
		500 gal MOD 202 1/19/84	

TUBING RECORD			
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method
2/11/59	<input checked="" 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 Open Hole Perforation
 Sold Other (Specify) 4652-4672 Miss.
 Used on Lease Dually Completed
 Commingled

29-33-14W^b

ROTARY DRILLERS LOG

COMPANY: Mull Drilling Co., Inc.
Wichita, Kansas

ROTARY DRILLING COMMENCED: 11-19-58

CONTRACTOR: Mull Drilling Co., Inc.
Wichita, Kansas

ROTARY DRILLING COMPLETED: 12-4-58

CASING RECORD: 796' of 8 5/8" w/100 sack cmt.
on bottom & 700 sack down outside
of pipe.
4715' of 5 1/2" w/100 sack Posmix

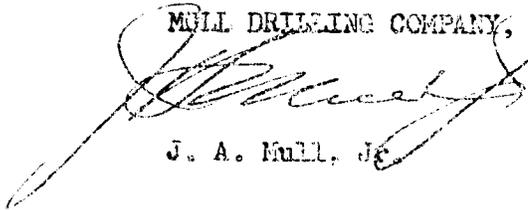
LOCATION: Zundle #1
C SW SE 29-33S-14W
Barber County, Kansas

(Figures indicate bottom of formation - measurements from top of Rotary Bushing.)

920'	Red Bed
1516'	Red Bed & Shale
1790'	Shale
1947'	Lime & Shale
2252'	Lime
2350'	Lime & Shale
2405'	Lime
3344'	Lime & Shale
3998'	Sandy Lime & Shale
4167'	Lime & Shale
4287'	Lime
4412'	Lime w/Shale
4556'	Lime
4615'	Lime & Shale
4648'	Lime
4678'	Mississippi
4715'	Dolinitic Chert - Miss.
	Total Depth 4715'

FEB 07 1986
State Geological Survey
WICHITA BRANCH

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

MULL DRILLING COMPANY, INC.

J. A. MULL, JR.