

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

150' W
of

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 (316) 264-6366

Contractor: License # S104
Name Blue Goose Drilling

Wellsite Geologist Michael Kidwell
Phone 264-6366

Designate Type of Completion
New Well Re-Entry Workover
Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONWO: Old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
XX Mud Rotary Air Rotary Cable
6/10/81 6/19/81 6/20/81
Spud Date Date Reached TD Completion Date
4462' N/A
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 442 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated from 4461' feet depth to surf. w/ 17.5sx cmt
Cement Company Name Halliburton
Invoice #

API No. 15-151-20,919-0500
County Pratt
of C.S.W/4.S.E. 17. Twp. 26S. Rge. 15W. ~~XXXXXX~~ X West

660' Ft North from Southeast Corner of Section
2130' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

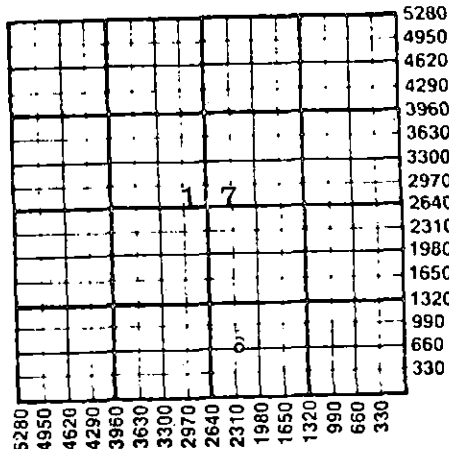
Lease Name DUGGETT Well # 5

Field Name Hopewell Pool

Producing Formation Was. Miss.

Elevation: Ground 2045 KB 2052

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.

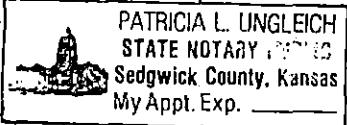
Signature Paul M. Gunzelman
Paul M. Gunzelman

Title Geologist - Kansas Div. Date 5/5/86

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

Notary Public Patricia L. Ungleich

Date Commission Expires March 27, 1987



STATE CORPORATION COMMISSION

MAY 08 1986

CONSERVATION DIVISION
Wichita, Kansas

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Form ACO-1 (7-84)

Sec 17 Twp 26S Rge 15W

SIDE TWO

Operator Name Mull Drilling Company, Inc. Lease Name DOGGETT Well # 5

Sec. 17 Twp. 26S Rge. 15W West County Pratt

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

See Form C-10 for log tops, DST's and formations.

CASING RECORD <input checked="" 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
..Surf.....	..12 1/2".....	..8-5/8".....	..20#.....	..442'.....	..cmm.....	..400 sx.....	..3% cc, 2% ge.....
..Production..	..7-7/8".....	..4-1/2".....	..10 1/2#.....	..4461'.....	..scavenger.....	..25 sx.....
					..50-50 poz.....	..150 sx.....	..+.....
					..10% salt, 75% CFR2.....	
					..10 centralizers.....	
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	4366-68 (Miss)			Ac 500 gal 15% MCA			
TUBING RECORD				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) <u>P&A</u>						
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) **Plug and abandoned**
 Used on Lease Dually Completed
 Commingled

WELL LOG

DOGGETT #5
SW SE Sec. 17-26S-15W
Pratt County, Kansas

NAME OF OPERATOR: Mull Drilling Company, Inc.
221 North Main Suite 300
Wichita, KS 67202

DATE COMPLETED: June 20, 1981

FROM	TO	
0	2052	Red Bed
2052	2625	Shale and Shells
2625	3365	Shale and Lime
3365	3925	Lime
3925	4050	Lime and Shale
4050	4388	Lime
4388	4462	Lime and Shale
4462		T.D.

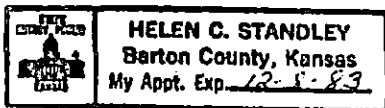
STATE OF KANSAS

COUNTY OF BARTON ss

George E. Miller, Jr., President of Blue Goose Drilling Company, 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 24th Day of June 1981.



Helen C. Standley
Notary Public

My Commission Expires: 12-8-83

RECEIVED
STATE CORPORATION COMMISSION
MAY 08 1986
CONSERVATION DIVISION
Wichita, Kansas

DRILLER'S LOG

API No. 15 — PRATT — 151-20,919
County Number

S. 17 T. 26S R. 15W E
Loc. 150' West of SW SE/4
County Pratt County, Kans

Operator
MULL DRILLING COMPANY, INC.

Address
221 N Main - Suite 300 - Wichita, Kansas 67202

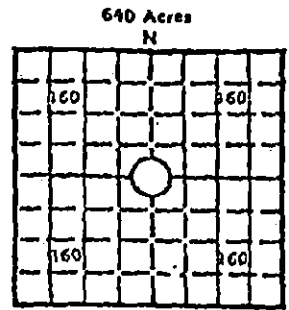
Well No. #5 Lease Name **DOGGETT**

Footage Location
660' feet from (NK (S) line) **560'** feet from (W) line

Principal Contractor **Blue Goose Drill-Rig #1** Geologist **Michael R. Kidwell**

Spud Date **June 10, 1981** Date Completed **June 19, 1981** Total Depth **4462'** P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser



Elev.: Gr. **2045**
DF **2050** KB **2052**

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	Sacks	Type and percent additives
Surface	12 1/4"	8-5/8"	20#	442'	Common	400	3%cc, 2%gel
Production	7-7/8"	4 1/2"	10 1/2#	4461'	Scavenger	25	
					50-50 Poz	150	10% salt, .75% CFPB

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth (interval)
			4		4366-4368'

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

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MAY 08 1986

INITIAL PRODUCTION

CONSERVATION DIVISION
Wichita, Kansas

Date of first production **8/11/81 Mull Drill Co. Test** Producing method (flowing, pumping, gas lift, etc.) **Flowing** **250# TP** **550# AP**

RATE OF PRODUCTION PER 24 HOURS
Oil _____ bbls. Gas **Mull Drill Co. Test** **414,000 CFG** **XX** _____ bbls. Gas-oil ratio _____ CFPB

Disposition of gas (vented, used on lease or sold) **Shut In Gas Well** Producing interval(s) **Mississippian**

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Driller's 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, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Driller's Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

5

DOGGETT

S 17 T 26S R 15W E 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
Towanda	2285	- 233		
Heebner	3723	-1671		
Brn Lm	3878	-1826		
Lansing	3891	-1839		
B/KC	4185	-2133		
Miss	4315	-2263		
Viola	4430	-2378		
LTD	4453	-2401		
<p>DST #1 3898-3925 / 30-45-60-60</p> <p>Good blow off bottom bucket / 3 min. No gas to surface Recovered: 45' oil cut mud (5% oil, 90% mud, 5% wtr) = 60' slightly oil cut watery mud (15% oil, 60% mud, 25% wtr) 60' slightly oil cut watery mud (10% oil, 55% mud, 35% wtr) 310' very slightly muddy water (95% wtr) (wtr chl = 55,000 ppm) ISIP 776 IFP 205-194 FFP 216-226 FSIP 733</p> <p>DST #2 4030-4049 / 30-45-60-60 ('H' Zn) Lansing/KC</p> <p>Gas to surface / 7 min. First Opening: Gauge: 7 min. 108 MCFG 3/4" Orifice 10 min. 108 3/4 20 min. 108 3/4 30 min. 39 1/2</p> <p>Second Opening: Gauge: 10 min. 26.7 1/4 20 min. 43.9 1/4 30 min. 78.0 1/2 40 min. 68.8 1/2 50 min. 59.2 1/2</p> <p>Recovered: 60 min. 59.2 MCFG 1/2" Orifice ISIP 819 IFP 32-32 FFP 64-32 FSIP 797 DST #3 (See Attachment Page)</p> <p>USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.</p>				

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 STATE CORPORATION COMMISSION
 MAY 08 1986
 CONSERVATION DIVISION
 Wichita, Kansas

Date Received

Robert O. Wall
 Robert O. Wall

Signature O. Wall

PRESIDENT

Title

August 14, 1981

Date

MULL DRILLING COMPANY, I
221 N Main - Suite 300
Wichita, Kansas 67202

#5 DOGGETT
17-26S-15W
Kansas

DST #3 4313-4388 / 30-45-60-60

Gas to surface / 2 min.

First Opening:

Gauge:	10 min.	4260 MCFG	2" Orifice
	20 min.	3780	2
	30 min.	4260	2

Second Opening:

Gauge:	5 min.	3780	2
	10 min.	4830	2
	20 min.	4260	2
	30 min.	5210	2
	40,50,60	5210	2

Stabilized

Recovered: 640' gassy saltwater
(Chl=132,000 ppm)

ISIP 1300 - IFP 802-802 FFP 748-748 FSIP 1303

RTD: 4462'

LTD: 4453'

Waiting on connections
8/13/81

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MAY 08 1986

CONSERVATION DIVISION
Wichita, Kansas