

STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. OPERATOR Mull Drilling Company, Inc.		PHONE (316) 264-6366	
ADDRESS P.O. Box 2758, Wichita, KS 67201			
2. DRILLING CONTRACTOR KUDU DRILLING CO., INC.		PHONE (719) 767-4177	
3. LOCATION OF WELL (Footages from section lines) At surface 1980' FNL & 1980' FWL, NW/4 At top prod. interval reported below At total depth Same		4. ELEVATIONS KB 4555' GR 4543'	
5. TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> METHANE <input type="checkbox"/> DRY <input type="checkbox"/> INJECTION <input type="checkbox"/> OTHER		6. TYPE OF COMPLETION <input type="checkbox"/> COMMINGLED <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> RECOMPLETION STARTED (DATE)	
7. FEDERAL/INDIAN OR STATE LEASE NO.			
8. IF INDIAN, ALLOTTEE OR TRIBE NAME			
9. WELL NAME AND NUMBER #1 Morgan			
10. FIELD OR WILDCAT Wildcat			
11. QTR. QTR. SEC. T. R. AND MERIDIAN SE NW, 22-16S-51W			
12. PERMIT NO. 91-1212		13. API NO. 05 -017-7280	
14. SPUD DATE 12/17/91		15. DATE TD REACHED 1/5/92	
16. DATE COMPL. <input type="checkbox"/> D&A <input checked="" type="checkbox"/> READY TO PROD 1/29/92		17. COUNTY Cheyenne	
18. STATE CO.			
19. TOTAL DEPTH MD 5880(RTD) TVD		20. PLUG BACK TOTAL DEPTH MD 5813' TVD	
21. DEPTH BRIDGE PLUG SET MD TVD			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Z-DensiNeutron-Dual Ind. GR-BHC Accous. GR/Atlas Wire		23. WAS WELL CORED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit Analysis) WAS DST RUN? <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit Report) X	

24. CASING & LINER RECORD (Report all strings set in well)

SIZE	WEIGHT(LB/FT)	HOLE SIZE	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	NO. OF SKS. & TYPE OF CEMENT	SLURRY VOL. (BBL)	TOP OF CEMENT (Specify calc. or CBL)
8-5/8"	24#	12 1/4"	GrLv1	373'		275sxC1'A'	57.8	GrLv1
5-1/2"	15.5#	7-7/8"	GrLv1	5872'		100sxC1'A'	21.0	5300' (CBL)

25. TUBING RECORD - Please Specify # of Strings

SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)	SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)	SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)
2-7/8"	5780'							

26. PRODUCING INTERVALS

27. ATTACH WELLBORE DIAGRAM FOR MULTI-ZONE/COMMINGLED PRODUCTION (RULE 332)

FORMATION	TOP	BOTTOM	GROSS PERFORATED INTERVAL	SIZE	NO. HOLES	PERF. STATUS (open, squeezed)
A) ST. LOUIS	5740	5748	5740-5748	1/2"	4 SPF	Open
B) STLS						
C)						
D)						

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5740-5748	800 gal MCA 15%
5740-5748	2000 gal MOD-202

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MAR 2 1992

COLO. OIL & GAS CONS. COMM.

29.

PRODUCTION - INTERVAL A

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
1/29/92	2/19/92	24	→	11	1	2	38.8°	Lease Use	Pumping
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	
			→	11	1	2	91	Producing	

PRODUCTION - INTERVAL B

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
			→						
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	
			→						

PRODUCTION - INTERVAL C

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION →	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
CHOKESIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE →	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	

PRODUCTION - INTERVAL D

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION →	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
CHOKESIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE →	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	

30. PLEASE ATTACH AN 8 1/2" x 11" BASIC SKETCH SHOWING ALL SURFACE EQUIPMENT ASSOCIATED WITH PRODUCTION, FLUID SEPARATION, FLUID STORAGE, AND GAS MEASUREMENT FOR THE WELL. SHOW APPROXIMATE DISTANCES OF EQUIPMENT FROM WELLBORE. INCLUDE WATER DISPOSAL PITS IF APPLICABLE. OUTLINE UNDERGROUND FLOWLINES AND LIST ANY OTHER WELLS SHARING THE SURFACE EQUIPMENT.

31. SUMMARY OF POROUS ZONES (INCLUDE AQUIFERS)

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.

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32. FORMATION (LOG) MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTIONS, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH
Sand/sh	0	1670	DST #1 5705-5763/30-45-60-60	Ogallala	Behind surf pipe
Lm/shale	1670	4035	Strong blow off bttm 40 sec.	Niobrara	" "
SHAWNEE	4035	4125	GTS in 20 min.	Ft Hays	1022
Shale/lm	4125	5880	Gauge: IF 25 min. 68,300	Codell	1081
TD	5880		30 min. 68,300	Carlile	1086
			Gauge: FF 10 min. 25,100	Greenhorn	1229
			20 min. 19,900	Dakota	1507
			30 min. 24,500	Cheyenne	1743
			(stabilized)	Morrison	1829
			Rec: 315' Clean gassy oil	Taloga	2042
			151' Clean gassy oil	DayCreek	2442
			181' Heavy gassy mud cut oil	Whitehorse	2462
			181' Oil cut mud	Blaine	2655
			IFP 150-189 ISIP 917	Salt	NP
			FFP 236-311 FSIP 1056	Cedar Hills	2788
			IHP 2836 FHP 2836 BHT 119°	T/Anh	2970
			Ran 5-1/2" prod. csg. set @	Shawnee	4129
			5872' w/100 sx	Lansing	4357
				Marmaton	4762
				Cherokee	4914
				Morrow	5411
				Keyes	5632
				St. Louis	5696
				Shogen	5800
				LTD	5876
				RTD	5880

33. ADDITIONAL REMARKS (INCLUDE PLUGGING PROCEDURE & ATTACH CEMENT VERIFICATION)

Shogen 5800
LTD 5876
RTD 5880

34. CIRCLE ENCLOSED ATTACHMENTS:

1. MECHANICAL LOGS (1 full set req'd)

2. GEOLOGIC REPORT

3. WELLBORE SKETCH
(See #27)

4. DST REPORT

5. DIRECTIONAL SURVEY

6. SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

7. CORE ANALYSIS

8. OTHER: FORM 10

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED 

PRINT Mark A. Shreve TITLE Petroleum Engineer DATE 2/27/92