

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

RECEIVED
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one copy for Patented Federal and Indian lands
in duplicate for State lands
COLO. OIL & GAS CONS. COMM.

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. OPERATOR PHONE
Mull Drilling Company, Inc. (316) 264-6366

ADDRESS
P.O. Box 2758

2. DRILLING CONTRACTOR PHONE
Norseman Drilling-Rig #1 (316) 265-3000

3. LOCATION OF WELL (Footages from section lines)

At surface C NE NE (660FNL, 660FEL)
At top prod. interval reported below
At total depth

4. ELEVATIONS

KB 3975'
GR 3964'

5. TYPE OF WELL
 OIL GAS DRY
 INJECTION OTHER

6. TYPE OF COMPLETION COMMINGLED
 NEW WELL DEEPEN PLUG BACK
 MULTI-COMPLETE OTHER

7. FEDERAL OR STATE LEASE NO.

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

9. WELL NAME AND NUMBER
J.A. Farms #1

10. FIELD OR WILDCAT
Arapahoe

11. QTR. QTR. SEC. T. R. AND MERIDIAN
28-14S-42W

WAS DIRECTIONAL SURVEY RUN? NO YES YES, ATTACH COPY

12. PERMIT NO. 87-558	13. API NO. 05-017-6679	14. SPUD DATE 10/20/87	15. DATE TD REACHED 11/3/87	16. DATE COMPL. <input type="checkbox"/> D&A <input checked="" type="checkbox"/> READY TO PROD 12/8/87	17. COUNTY Cheyenne	18. STATE CO.
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19. TOTAL DEPTH MD 5450' TVD	20. PLUG BACK TOTAL DEPTH MD NA TVD	21. DEPTH BRIDGE PLUG SET MD NA TVD
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22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (SUBMIT COPY OF EACH)
Dual Induction/Gamma Comp. Neutron Density

23. WAS WELL CORED? NO YES (SUBMIT ANALYSIS)
WAS DST RUN? NO YES (SUBMIT REPORT) on back

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
13-3/8"	54#	17 1/2"	Gr Lvl	251'		250 sx Cl 'C'		Ground Level
8-5/8"	24#	12 1/4"	Gr Lvl	582'		110 sx 'Lite'/125 sx 'C'		Ground Level
5-1/2"	15.5#	7-7/8"	"	5448'		80 sx Cl 'A'/500 gal mud sweep		4982't/cemt

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)	SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)	SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)

26. PRODUCING INTERVALS			27. PERFORATION RECORD				
FORMATION	TOP	BOTTOM	PERFORATED INTERVAL	SIZE	NO. HOLES	PERF. STATUS	
A) Morrow	5216'	5233'	5229-5233'	1/2"	4 p/ft	Production	
B)							
C)							
D)							

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

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
12/09/87		24	→	256	TSTM	0 BW	41.6°		Pumping
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	WELL STATUS	
64"			→	256	TSTM			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	WELL STATUS	
			→						

COMPLETE AND SIGN BACK PAGE

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
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE →	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	WELL 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
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE →	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	WELL STATUS	

30. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

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.

32. FORMATION (LOG) MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTIONS, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH
Surface	0	252	DST #1 5043-5234/30-45-60-60	Ft. Hays	1158 +2817
Shale	252	1605	GTS in 60 min.	Codell	1232 +2743
Sd/Sh/Lm	1605	3858	Gauge: 65 min. 1.75 mcfg	Greenhorn	1380 +2595
Sh/Lm	3858	4095	70 2.3	Dakota	1590 +2385
Shawnee	4095	4297	80 3.81	Cheyenne	1889 +2086
Lansing	4297	4631	90 4.06	Morrison	1996 +1979
Marmaton	4631	4771		Taloga	2141 +1834
Cherokee	4771	5194	1st open, blow off bttm 1"	Day Creek	2163 +1812
Morrow	5194	5234	2nd open, blow off bttm 1½"	White Horse	2169 +1806
Sd/Sh	5234	5326	Rec: 120' GCM	Blaine	2434 +1541
St. Gen/Lm	5326	5433	120' HO&GCM	Salt	2525 +1450
Sd/Sh	5433	5450	1925' CGO 43° Grav.	Cedar Hills	2752 +1223
TD	5450		IFP 331-607 ISIP 936	T/Anhydrite	2918 +1057
			FFP 651-739 FSIP 925	B/Anh	2950 +1025
			BHT 145°F.	Shawnee	4002 - 27
			Ran 135 jts 5½" set @ 5448'	Heebner	4211 - 236
			Job by B-J Titan / 11/4/87	Toronto	4244 - 269
				Lansing	4269 - 294
				Marmaton	4667 - 692
				Cherokee	4825 - 850
				Atoka	4980 -1005
				Morrow	5123 -1148
				Keyes	5235 -1260
				Spergen	5403 -1428
				LTD	5446 -1471
				RTD	5450 -1475

33. ADDITIONAL REMARKS (INCLUDE PLUGGING PROCEDURE):

34. CIRCLE ENCLOSED ATTACHMENTS:

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

3. DST REPORT

5. SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

2. GEOLOGIC REPORT

4. DIRECTIONAL SURVEY

6. CORE ANALYSIS

7. OTHER: Location Plat

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

PRINT Michael B. Kidwell

SIGNED *[Signature]* TITLE President

DATE January 5, 1988