

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



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FOR OFFICE USE
ET FE LC SE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. OPERATOR
UNION PACIFIC RESOURCES COMPANY
ADDRESS
P. O. Box 7-MS 3407, Fort Worth, TX 76101-0007

2. DRILLING CONTRACTOR
MURFIN DRILLING

PHONE (817) 877-6000
PHONE (316) 267-3241

5. TYPE OF WELL COALBED
 OIL GAS METHANE DRY
 INJECTION OTHER

6. TYPE OF COMPLETION COMMINGLED
 NEW WELL MULTIPLE COMPLETION
 RECOMPLETION (DATE STARTED)

3. LOCATION OF WELL (Footages from section lines)
At surface 2045' FNL & 600' FWL
At top prod. interval reported below
At total depth same

4. ELEVATIONS
KB 4248'
GR 4238'

7. FEDERAL/INDIAN OR STATE LEASE NO.
86-3170-S

8. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

9. WELL NAME AND NUMBER
Heart Ranch - State 12-12 #1

10. FIELD OR WILDCAT
Wildcat

11. QTR. QTR. SEC. T. R. AND MERIDIAN
SW/NW Sec. 12-T16S-R48W

12. PERMIT NO. 91-536 13. API NO. 05-017-7237 14. SPUD DATE 8-31-91 15. DATE TD REACHED 9-8-91 16. DATE COMPL. D&A READY TO PROD 9-9-91 17. COUNTY Cheyenne 18. STATE CO.

19. TOTAL DEPTH MD 5208' TVD 20. PLUG BACK TOTAL DEPTH MD N/A TVD 21. DEPTH BRIDGE PLUG SET MD N/A TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
DIL-LDT-CNL-GR; CNL/LDT; BHC; DIL/SFL-GR

23. WAS WELL CORED? NO YES (Submit Analysis)
WAS DST RUN? NO YES (Submit Report)

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"	Surf	537'		200SX LTWT		Surface

25. TUBING RECORD - Please Specify # of Strings N/A

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

FORMATION	TOP	BOTTOM	GROSS PERFORATED INTERVAL	SIZE	NO. HOLES	PERF. STATUS (open, squeezed)
A) N/A						
B)						
C)						
D)						

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
N/A	

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
N/A			→						
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	
			→					Dry Hole	

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	
			→						

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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	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
CHOKE SIZE	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.

32. FORMATION (LOG) MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTIONS, CONTENTS, ETC.	NAME	TOP
					MEAS. DEPTH
Lansing	4085'	4120'	DST #1 No Cushion IHP = 1933# IFP = 20 min. 73-273# ICIP = 30 min. 1053# FFP = 60 min. 309-577# FCIP = 60 min. 1051# FHP = 1888# Recovered 40' Watery Mud 747' Muddy Gassy Wtr 540' Wtr w/Black Sediment	Dakota	1251'
				Cheyenne	1535'
				Blaine Salt	2406'
				Stone Corral	2620'
				Neva	3280'
				Foraker	3354'
				Shawnee	3726'
				Heebner	3916'
				Toronto	3940'
				Lansing	3968'
Spergen	5123'	5154'	DST #2 No Cushion IHP = 2511# IFP = 15 min 93-181# ICIP = 33 min 960# FFP = 60 min 252-383# FCIP = 60 min 947# FHP = 2495# Recovered 10' Oil 40' Mud 700' Water Chlorides 11,000 PPM	Marmaton	4346'
				Cherokee	4698'
				Atoka	4670'
				Morrow Shale	4852'
				Morrow Sand V5	4914'
				Morrow Sand V7	4946'
				L. Morrow LS.	5093'
				Mississippian	5113'
				Spergen	5138'

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

Halliburton P&A'd Well as follows:

- | | |
|----------------------------------|---------------------------------------|
| 1. Set 40 SX CMT Plug 5150-5050' | 6. Set 10 SX CMT Plug 60-0' |
| 2. Set 40 SX CMT Plug 2450-2350' | 7. Cut off CSG 4' BGL and Welded Cap. |
| 3. Set 40 SX CMT Plug 1600-1500' | |
| 4. Set 40 SX CMT Plug 1325-1225' | |
| 5. Set 40 SX CMT Plug 587-487' | |

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34. CIRCLE ENCLOSED ATTACHMENTS:

- | | | |
|---------------------------------------|------------------------------|--|
| 1. MECHANICAL LOGS (1 full set req'd) | 3. WELLBORE SKETCH (See #27) | 6. 6 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION |
| 2. GEOLOGIC REPORT | 4. DST REPORT | 7. CORE ANALYSIS |
| | 5. DIRECTIONAL SURVEY | 8. OTHER: |

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

SIGNED Kris Curran

PRINT Kris Curran TITLE Regulatory Analyst DATE 10-11-91