

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

Submit 1 copy

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. TYPE OF WELL COALBED
☐ OIL ☐ GAS ☐ METHANE ☒ DRY
☐ INJECTION ☐ OTHER1. OPERATOR
UNION PACIFIC RESOURCES COMPANY
PHONE (817) 877-60006. TYPE OF COMPLETION ☐ COMMINGLED
☒ NEW WELL ☐ MULTIPLE COMPLETION
☐ RECOMPLETION (DATE _____)
RECOMPLETION STARTED _____ADDRESS
P. O. Box 7-MS 3407, Fort Worth, TX 76101-00077. FEDERAL/INDIAN OR STATE LEASE NO.
86-3170-S2. DRILLING CONTRACTOR
MURFIN DRILLING
PHONE (316) 267-32418. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

3. LOCATION OF WELL (Footages from section lines)

4. ELEVATIONS
KB 4248'
GR 4238'9. WELL NAME AND NUMBER
Heart Ranch - State 12-12 #1At surface 2045' FNL & 600' FWL
At top prod. interval reported below
At total depth same10. FIELD OR WILDCAT
WildcatWAS DIRECTIONAL SURVEY RUN? NO ☒ YES ☐ IF YES, ATTACH COPY11. QTR. QTR. SEC. T. R. AND MERIDIAN
SW/NW Sec. 12-T16S-R48W12. PERMIT NO. 91-536
13. API NO. 05 -017-723714. SPUD DATE 8-31-91
15. DATE TD REACHED 9-8-9116. DATE COMPL. 9-9-91
☒ D&A
☐ READY TO PROD17. COUNTY
Cheyenne18. STATE
CO.19. TOTAL DEPTH
MD 5208' TVD
20. PLUG BACK TOTAL DEPTH
MD N/A TVD21. DEPTH BRIDGE PLUG SET
MD N/A TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

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)
DIL-LDT-CNL-GR; CNL/LDT; BHC; DIL/SFL-GR

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	

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	
			→						

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

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

Halliburton P&A'd Well as Follows:

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

BEST IMAGE
AVAILABLE

34. CIRCLE ENCLOSED ATTACHMENTS:

- MECHANICAL LOGS (1 full set req'd)
- GEOLOGIC REPORT
- WELLBORE SKETCH (See #27)
- DST REPORT
- DIRECTIONAL SURVEY
- SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
- CORE ANALYSIS
- 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