

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN

FOR APPROVED
OMB NO. 1004-0137
Expires December 31, 1991
HOBBS
MUSTANG FEDERAL #1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLS BACK ☐ DIFF. REVR. ☐ Other ☐

3. NAME OF OPERATOR

CHI OPERATING, INC.

4. ADDRESS AND TELEPHONE NO.

P.O. Box 1799 MIDLAND TX 79702 (915) 685-5001

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface
467' FSL & 1980 FWL
At top prod. interval reported below
467' FSL & 1980 FWL
At total depth
467' FSL & 1980 FWL

14. PERMIT NO. DATE ISSUED

6. LEASE DESIGNATION AND SERIAL NO.

LC-064790

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME, WELL NO.

MUSTANG FEDERAL #1

10. API WELL NO.

11. FIELD AND POOL OR WILDCAT

CRAZY HORSE DELAWARE

12. SEC. T. R. M. OR BLOCK AND SURVEY

SEC 18

13. COUNTY OR PARISH

LEA

14. STATE

N.M.

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (OF, RKB, RT, OR, ETC.)* 19. SLEV. CASINGHEAD

2-24-96 3-11-96 4-8-96 3622' GL 3634' KB 3622'

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS

7775' 7731' ALL

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5991' - 7657' DELAWARE

27. WAS DIRECTIONAL SURVEY MADE

YES

28. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CNL/LDL/DUL/MSFL

29. WAS WELL CORED

YES

30. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	508'	17 1/2"	SURFACE	
8 5/8"	24 & 32#	3065'	11"	SURFACE	
4 1/2"	11.60#	7775'	7 7/8"	4400'	

31. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
2 3/8"				6167

32. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6167	N/A

33. PERFORATION RECORD (Interval, size and number)

5991 - 7657' (48 HOLES)

34. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5991 - 7657	ACIDIZE w/ 3600 GALS 7 1/2 % NEFE HCL. FRAC w/ 28,120 GALS 88,000 # 16/30 SAND.

35. PRODUCTION

DATE FIRST PRODUCTION 4-09-96		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) PUMPING - 2" X 1 1/2" X 20'				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 5-6-96	HOURS TESTED 24	CHOKS SIZE N/A	PROD'N. FOR TEST PERIOD →	OIL—BSL 77	GAS—MCF. 50	WATER—BSL 54	GAS-OIL RATIO 649 SCF/BBL
FLOW, TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BSL	GAS—MCF.	WATER—BSL	OIL GRAVITY-API (CORR.) 36

36. DISPOSITION OF GAS (Hold, used for fuel, vented, etc.)

VENTED

ACCEPTED FOR RECORD

TEST WITNESSED BY

MIKE FOWLER

37. LIST OF ATTACHMENTS

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

SIGNED

Mike Fowler

TITLE

GEOLOGIST

DATE

5-13-96

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
GRAY/BURG			SIDEWALL CORE: 4226-4231 3 CORES NO DESCRIPTION
DELAWARE			SIDEWALL CORE: 5991-7656 15 CORES NO DESCRIPTION

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
YATES	3065	3065
QUEEN	4162	4162
DELAWARE	5418	5418
BONE SPRING	7720	7720