



STATE OF COLORADO  
 CONSERVATION COMMISSION  
 DEPARTMENT OF NATURAL RESOURCES

RECEIVED

CONFIDENTIAL

OCT 10 1986

File one copy for Patented, Federal and Indian lands  
 File in duplicate for State lands.

5. LEASE DESIGNATION AND SERIAL NO.

72/3415-STATE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

TOW CREEK UNIT

8. FARM OR LEASE NAME

COX TOW CREEK STATE

9. WELL NO.

#1-36

10. FIELD AND POOL, OR WILDCAT

Grassy Creek

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 31-T6N-R86W

36

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

COLD OIL & GAS CONSL. COMM.

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR

COX OIL & GAS, INC.

3. ADDRESS OF OPERATOR

3800 Interfirst One Bldg. Dallas, Texas 75202

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

At surface 884.3' FNL & 306.36' FWL Sec. 31-T6N-R86W

At top prod. interval reported below Top of Niobrara

BHL: 529.7' FNL & 619.64' FWL @ MD 4760' & TVD 4654.03'  
 (6035' last measured depth)

BHL: 92' FNL & 866' FEL of Sec. 36-T6N-R87W

14. PERMIT NO. 85-1025

DATE ISSUED 8/7/85

12. COUNTY Routt

13. STATE CO

15. DATE SPUDDED 9/16/85

16. DATE T.D. REACHED 10/27/85

17. DATE COMPL. (Ready to prod.) \*See Below (Plug & Abd.)

18. ELEVATIONS (DF, REB, RT, GR, ETC.) 7891.5 GL (7903' KB)

19. ELEV. CASINGHEAD 7891' GL

20. TOTAL DEPTH, MD & TVD 6064' TVD

21. PLUG, BACK T.D., MD & TVD 6040' TVD

22. IF MULTIPLE COMPL., HOW MANY ---

23. INTERVALS DRILLED BY ROTARY TOOLS 0-6064' CABLE TOOLS ---

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

Top of Niobrara 4760' (MD) 4646' (TVD) Perfs @ 5910-30' & 5874-94'  
 Bottom of Niobrara 5995' (MD) 5711' (TVD)

25. WAS DIRECTIONAL SURVEY MADE

Yes-Attached

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL/Dipmeter/Sonic/Temperature/LSSonic

27. WAS WELL CORED YES  NO  (Submit analysis)  
 DRILL STEM TEST YES  NO  (See reverse side)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	642'	12-1/4"	350 sx Class A	
7"	23#	4626'	8-3/4"	200 sx 50/50 Poz "A"	
4-1/2"	11.6#	6064'	6-1/4"	125 sx 50/50 Poz "H"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
4-1/2"	4223'	6064'	125	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	4072'	
2-3/8"	6007'	

31. PERFORATION RECORD (Interval, size and number)

5910-5930' w/Hydra jet 4 SPF.  
 5874-5894' w/4 SPF.  
 Re-perf 5874-94' w/4 SPF.

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

LISTED ON BACK

33. PRODUCTION

DATE FIRST PRODUCTION 11/23/85		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping-American 160-173-74			WELL STATUS (Producing or shut-in) Pmpg-WO continuation of completion	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.
			NO TEST	COMPLETION STILL IN PROGRESS		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			SEE ATTACHED LETTER			

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

Gas Flared or used UPG/Oil

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Directional Survey, Geological Report.

One copy each Electric logs (one set filed when run).

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

SIGNED

Hugh J. Cotton TITLE Drilling Manager

DATE 10/8/86

See 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, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Shale	0'	899'	
Sand/Shale	899'	1,367'	
William Fork	1,367'	1,940'	
Isles	1,940'	2,637'	
Mancos	2,637'	4,646'	
Niobrara	4,646'	5,711'	
Carlile	5,711'	.....	

  

**#32. FRAC PROCEDURES**

Data Frac (perfs 5910-30')  
 15,800 gallons CO<sub>2</sub> foam @ 12 BPM

#1 (perfs 5910-30')  
 45,100 gallons CO<sub>2</sub> assisted water gel  
 w/12,000 gallons acid pad & 7500#  
 20/40 sand @ 10 BPM; screened out.

#2 (perfs 5874-94')  
 62,290 gallons CO<sub>2</sub> assisted frac w/  
 4400# 20/40 sand; screened out.

#3 (perfs 5874-94')  
 64,970 gallons gelled water w/12,960#  
 20/40 sand; screened out.

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

RECEIVED  
 60110 1088  
 OFFICE OF THE STATE GEOLOGIST  
 DIVISION OF OIL & GAS CONTROL