

OIL AND GAS CONSERVATION COMMISSION

DEPARTMENT OF NATURAL RESOURCES  
OF THE STATE OF COLORADO



File in triplicate for Patented and Federal lands.  
File in quadruplicate for State lands.

RECEIVED  
FEB 17 1976

5. LEASE DESIGNATION AND SERIAL NO.  
COLO. OIL & GAS CONS. COMM.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

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

8. FARM OR LEASE NAME

Friend

2. NAME OF OPERATOR  
R. E. Hibbert Oil Properties

9. WELL NO.

#2-A

3. ADDRESS OF OPERATOR  
c/o 1507 Denver Club Bldg., Denver, Colo. 80202

10. FIELD AND POOL, OR WILDCAT

W. C.

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

At surface 1980' FEL and 1800' FNL of Sec. 19

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

At top prod. interval reported below Same

SW 1/4 NE 1/4 Sec. 19-T3S-R50W

At total depth Same

14. PERMIT NO. 75-467 DATE ISSUED 6/3/75

12. COUNTY Washington 13. STATE Colorado

15. DATE SPUDDED 6/4/75 16. DATE T.D. REACHED 6/8/75 17. DATE COMPL. (Plugging or Plug & Abd.) 6/8/75 18. ELEVATIONS (DF, REB, RT, GR, ETC.) 4559 GL & 4569 KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3952' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY None 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) None 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN None 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
8-5/8"	24#	189' KB	12-1/4"	120 sacks	none

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION  
DATE FIRST PRODUCTION None PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS  
Geologic report and Sundry Notice (Form 4)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Iran Koolenich TITLE JIM SNYDER DRILLING COMPANY Contractor DATE 2/16/76

PT

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.
			<p>Geologic Report attached</p>

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

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FINAL WELL REPORT

R. E. HIBBERT & E. B. O'HARA

#2-A FRIEND

SW NE SECTION 19 - T3S - R50W

WASHINGTON COUNTY, COLORADO

J. W. Nylund  
Petroleum Geologist

DVR	
FJP	
HMM	
JAM	✓
JJD	
CCH	
CGM	

75467

GENERAL INFORMATION

Operator: R. E. Hibbert  
Farm: Friend - A  
Well Number: 2  
Location: 1980' FEL; 1800' FNL, SW NE Section 19 - T3S - R50W  
County: Washington  
State: Colorado  
Elevation: 4559' GL; 4569' KB (surveyed by Billy Holloway)  
Surface Casing: Drilled 190' of 12 $\frac{1}{4}$ " hole; ran 178' of 24# 8-5/8" surface casing, set at 189' KB with 120 sacks cement, 2% CaCl.  
Cores: None  
Drill Stem Tests: None  
Logs: None  
Status: Junked and abandoned  
Wellsite Geologist: J. W. Nylund  
Drilling Contractor: Jim Snyder Drilling Co., rig #2, Ralph Rhodes, toolpusher

## CHRONOLOGICAL HISTORY

- June 2, 1975 - Started moving in materials; location very muddy.
- June 3 - Finished moving, rigged up, spudded at 11:00 AM, set surface casing, plug down at 4:40 PM.
- June 4 - Drilling at 1000'; bit #1.
- June 5 - Drilling at 3400'; bit #1; tripped for bit #2 at 3457' (pipe was strapped out; 2' correction made).
- June 6 - Lost circulation at 3952'; mixed hulls, plugged bit, attempted to come out of hole, got stuck in bottom of Niobrara. Ran McCullough free point survey; lost 3000' of McCullough wire line.
- June 7 - Recovered 2000' of wire line; backed off drill pipe at 3030'; raining hard.
- June 8 - Cannot recover wire line; unable to wash over; decided to junk hole and skid rig. Hole plugged with 15 sacks cement in bottom of surface casing and 10 sacks in top, as per telephone instructions from D. V. Rogers, Colorado Oil and Gas Conservation Commission. Left 1000' wireline, 11 drill collars and 3 joints of drill pipe in hole.

## FORMATION TOPS

<u>Formation</u>	<u>Sample Tops</u>
Ft. Hayes	3455'
Carlile	3511'
Greenhorn	3643'
D Sand	3923' (+646)
Total Depth	3952' driller

S A M P L E   D E S C R I P T I O N

3900 - 35 Shale, black, soft, fissile, very bentonitic, pyritic.

Top of D Sand

3935 - 40 Sandstone, light brown, fine to very fine grained, good porosity and permeability, slightly argillaceous in part, otherwise clean, well sorted, friable, weak siliceous cementation, sub-angular grains; good solid oil stain with free oil on fresh break, bright yellow fluorescence (very little sand in sample).

Note: Moderate lost circulation was encountered between 3930' and 3940'.

3940 - 45 Sandstone, as above, becoming pyritic in part; also sandstone, light brown, very fine grained, low to fair porosity and permeability, slightly argillaceous, fair sorting, sub-angular to sub-rounded grains, slightly glauconitic, friable, even oil stain with fair yellow fluorescence.

3945 - 50 Sandstone, brown, very fine grained, fair porosity, low permeability, generally clean, well sorted, sub-rounded grains, few very thin shale laminations, soft, friable, good solid stain to saturation, bright yellow fluorescence. (Approximately 5% of this sand has fair permeability).

Note: Severe lost circulation was encountered at 3952'.

B I T   R E C O R D

<u>Run No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth</u>	<u>Out</u>	<u>Footage</u>	<u>Hours</u>
1	7 7/8"	Smith	DT-J	3457'		3267'	27½
2	7 7/8"	Reed	Y12J	3952'		495'	12