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WELL COMPLETION REPORT

No. 1 JEFFERY
660' FSL 1320' FEL
SECTION 20-T9N-R56W
WELD COUNTY, COLORADO

DYCO PETROLEUM CORPORATION
607 PHILTOWER BUILDING
TULSA, OKLAHOMA

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File

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SUMMARY OF COMPLETION

#1 JEFFERY
SEC. 20-9N-56W
WELD COUNTY, COLORADO

ELEVATION:

4497' GL
4504' KB

ZERO DATUM:

7' ABOVE GL

HOLE SIZE:

7-7/8" FROM 97' TO T.D.

ROTARY TOTAL DEPTH:

5880'

PLUG BACK TOTAL DEPTH:

5780'. CEMENT TOP: 5294'.

CASING RECORD:

8-5/8" OD CASING SET AT 97'
4 1/2" OD 9.5# J-55 SMLS. CASING SET AT 5838'.

RADIO ACTIVE LOGS:

GAMMA RAY, CEMENT BOND AND CASING COLLAR LOG.

PERFORATION RECORD:

5753' - 1 FOUR-WAY FRAC JET CHARGE.

TREATMENT RECORD:

NONE.

SUMMARY OF COMPLETION

#1 JEFFERY

JULY 20, 1974:

RAN 183 JTS. 4½" OD 8RD. 9.5# J-55 SMLS. NEW CASING ST&C. RGE 2 & 3, 5841.33'. SET AT 5838'. CEMENTED WITH 150 SACKS 50-50 POZMIX, 2% GEL, 10% SALT AND 3/4-1% CFR2. PRECEED CEMENT WITH 500 GAL. MUD FLUSH. PLUG DOWN AT 1:35 P.M. JULY 20, 1974. PLACE HALCO ROTATING WALL CLEANERS FROM 5770' THRU 5740' AND 4½" HALCO CASING CENTRALIZERS AT 5790', 5735'. HAD GOOD CIRCULATION THRUOUT.

CASING DETAIL:

BOTTOM: .75' 1- 4½" OD 8RD. HALCO REGULAR GUIDE SHOE.
NEXT: 30.76' 1 JT. 4½" OD 8RD. 9.5# J SMLS. CASING WITH HALCO
INSERT FLOAT VALVE.
NEXT: 5810.57' 182 JTS. 4½" OD 8RD. 9.5# J SMLS. CASING.
TOTAL: 5842.08'
LESS: 4.08' CASING CUT OFF TO GL.
TOTAL: 5838.00' CASING LANDING DEPTH.

AUGUST 5, 1974: RUN GAMMA RAY, CEMENT BOND AND COLLAR LOGS. P.B.T.D. 5780'. CEMENT TOP 5294'. GOOD CEMENT BOND.

AUGUST 13, 1974: MOVE IN EATMON DRILLING Co. COMPLETION UNIT. SWAB CASING TO 2640'. UNLOAD AND RACK TUBING. SHUT WELL IN.

AUGUST 14, 1974: PERFORATE AT 5753' WITH 1 FOUR-WAY FRAC JET CHARGE. RUN TUBING WITH A BAKER MODEL A TENSION PACKER. SET PACKER AT 5718' WITH A PUMP SEATING NIPPLE ON TOP OF PACKER. SET PACKER WITH 30,000# TENSION (50"). FLUID LEVEL 2000' FROM SURFACE. SWAB TUBING TO 500' OFF BOTTOM, WELL UNLOADED FLUID AND CONTINUED WITH A GOOD GAS BLOW. NO ESTIMATE ON VOLUME. SHUT WELL IN.

AUGUST 15, 1974: 1200 PSI. SHUT IN TUBING PRESSURE. OPEN TUBING ON A 14/64" CHOKE. TUBING PRESSURE REMAINED AT 1080 PSI. FOR 30 MIN. WELL HEAD FREEZING OFF.

SUMMARY OF COMPLETION

#1 JEFFERY

AUGUST 15, 1974:
CONTINUED

ATTEMPT DIFFERENT CHOKE SETTINGS. A 20/64" CHOKE SETTING WOULD OVERCOME FREEZING, PRODUCE A CLEAR CONDENSATE WITH NO WATER, BUT WOULD LOWER TUBING PRESSURE BELOW 700 PSI. SET CHOKE ON 12/64" AND FLOW WELL OVERNIGHT. RELEASE COMPLETION UNIT.

AUGUST 16, 1974:

WELL HEAD FROZE OFF THIS MORNING. CHART INDICATED VERY LITTLE GAS FLOW THRU NIGHT FROM FREEZING. ESTIMATE GAS VOLUME ON 12/64" CHOKE, TUBING PRESSURE 1040 PSI. AT 250 MCFD. WITH NO FLUID PRODUCED AT THIS RATE. SHUT WELL IN WITH CHAIN AND LOCK. A HEATER WILL BE REQUIRED BEFORE A TEST CAN BE MADE.

TUBING DETAIL:

BOTTOM:	2.45'	1- 2-3/8"OD EUE 8RD. BAKER MODEL A TENSION PACKER. x 4 1/2"OD. (SET IN 30,000# TENSION= 50")
NEXT:	1.03'	1- 2-3/8"OD EUE 8RD. PUMP SEATING NIPPLE.
NEXT:	<u>5712.12'</u>	183 JTS. 2-3/8"OD 8RD. EUE 4.7# J SMLS. TUBING.
TOTAL:	5715.60'	