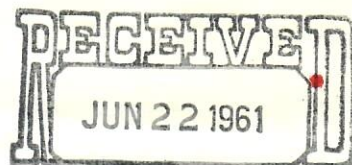


OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

WELL COMPLETION REPORT

OIL & GAS
CONSERVATION COMMISSION

INSTRUCTIONS

Within thirty (30) days after the completion of any well, the owner or operator shall transmit to the Director three (3) copies of this form, for wells drilled on Patented or Federal lands and four (4) copies for wells drilled on State lands. Upon request, geological information will be kept confidential for six months after the filing thereof.

Field Wildcat Operator Stuarco Oil Company, Inc.
County Weld Address 2117 First National Bank Bldg.
City Denver 2, State Colorado
Lease Name Federal-Hoffman Well No. 1 Derrick Floor Elevation 4580
Location C NE NW Section 8 Township 9N Range 56W Meridian 6th p.m.
(quarter quarter)
660 feet from North Section line and 1895 feet from West Section Line
N or S E or W

Drilled on: Private Land ☐ Federal Land ☒ State Land ☐
Number of producing wells on this lease including this well: Oil _____; Gas _____
Well completed as: Dry Hole ☒ Oil Well ☐ Gas Well ☐

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date June 19, 1961Signed Robert Chancellor
Title District Manager

The summary on this page is for the condition of the well as above date.

Commenced drilling June 4, 1961, 19____ Finished drilling June 14, 1961, 19____

CASING RECORD

| SIZE | WT. PER FT. | GRADE | DEPTH LANDED | NO. SKS. CMT. | W.O.C. | PRESSURE TEST | |
|--------|-------------|-------|--------------|---------------|---------|---------------|-----|
| | | | | | | Time | Psi |
| 8 5/8" | 24# | J-55 | 139' | 80 | 12 hrs. | (Surface) | |
| | | | | | | | |
| | | | | | | | |

CASING PERFORATIONS

| Type of Charge | No. Perforations per ft. | Zone | |
|----------------|--------------------------|------|----|
| | | From | To |
| | | | |
| | | | |
| | | | |

TOTAL DEPTH 6005'

PLUG BACK DEPTH _____

Oil Productive Zone: From _____ To _____ Gas Productive Zone: From *5938 To 5950
Electric or other Logs run Lane wells ES & ML logs Date June 14, 19 61
Was well cored? No Has well sign been properly posted? _____

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

| DATE | SHELL, EXPLOSIVE OR CHEMICAL USED | QUANTITY | ZONE | | FORMATION | REMARKS |
|------|--------------------------------------|----------|------|----|-----------|---------|
| | | | From | To | | |
| | | | | | | AJJ |
| | | | | | | DVR |
| | | | | | | WRS |
| | | | | | | HHM |
| | | | | | | JAM |
| | | | | | | FJP 19 |
| | | | | | | JD |
| | | | | | | FILE |

Results of shooting and/or chemical treatment: _____

DATA ON TEST

Test Commenced _____ A.M. or P.M. _____ 19____ Test Completed _____ A.M. or P.M. _____

For Flowing Well:

For Pumping Well:

Flowing Press. on Csg. _____ lbs./sq.in.

Length of stroke used _____

Flowing Press. on Tbg. _____ lbs./sq.in.

Number of strokes per minute _____

Size Tbg. _____ in. No. feet run _____

Diam. of working barrel _____ inches

Size Choke _____ in.

Size Tbg. _____ in. No. feet run _____

Shut-in Pressure _____

Depth of Pump _____ feet.

If flowing well, did this well flow for the entire duration of this test without the use of swab or other artificial flow device? _____

SEE REVERSE SIDE

TEST RESULTS: Bbls. oil per day _____ API Gravity _____
Gas Vol. _____ Mcf/Day; Gas-Oil Ratio _____ Cf/Bbl. of oil
B.S. & W. _____ %; Gas Gravity _____ (Corr. to 15.025 psi & 60°F)

* See reverse side

FORMATION RECORD

Give name, top, bottom and description of all formations encountered, and indicate oil, gas and water bearing intervals, cored sections and drill stem tests.

| FORMATION NAME | TOP | BOTTOM | DESCRIPTION AND REMARKS |
|---|------|---------|-------------------------|
| Niobrara | 5085 | | |
| Ft. Hays | 5336 | | |
| Carlile | 5389 | | |
| Greenhorn | 5550 | | |
| Bentonite | 5748 | | |
| "D" | 5857 | (-1277) | |
| "J" | 5938 | (-1358) | |
| DST #1 5930-50 | | | |
| Open 8 min (open 1 min, ISIP 30 min, open 7 min), gas to surface 4 min after ISIP started, meas 4 million CFPD after tool open 5 min, Rec 180' muddy wtr. BHFP 1105-1176, 30 min SIP 1607-1607, HP 3082, btm pkr held bled to 3000. | | | |
| DST #2 5930-64 | | | |
| Misrun, tool would not go to btm. | | | |
| DST #3 5930-57 | | | |
| Open 1 hr, 03 min, gas in 2 min, meas 5 million CFPD in 10 min and 6 million CFPD in 20 min, distillate in 25 min, mud in 27 min and wtr in 32 min, Rec 50' distillate and 500' wtr, top part muddy. BHFP 1235-1317, 30 min SIP 1665, HP 3082, btm pkr held bled to 2800. | | | |
| DST #4 5928-44 | | | |
| Open 1 hr, gas in 2 min, meas 5 million in 20 min, distillate in 32 min, gassy wtr in 40 min, Rec 50' distillate and 480 wtr. No pressures obtained. | | | |
| REMARKS: | | | |
| The upper bench of the "J" had a good amount of gas along with some distillate. Had it not been for the presence of water with the gas it undoubtedly would have been a commercial gas well. The 24' sand of the upper bench appeared to be divided into gas - gas - distillate - water zones of something like 7' - 13' - 4' thicknesses. From the results of the drillstem tests it would seem that both horizontal and vertical permeability were good and that coning of the water took place in a very short time. The effect is the same as the alternate possible explanation, which is that gas, distillate and water are intimately combined in the reservoir. | | | |
| Stuarco Oil Co. and Shell Oil Co. personnel had a considerable amount of discussion before a decision was reached. It was decided to plug the well since the presence of water with the gas made the commercial value of the reservoir quite doubtful. | | | |