

RECEIVED
APR 28 1960

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 Cabeen Exploration Corporation
County Logan Address 945 Petroleum Club Building
City Denver 2, State Colorado
Lease Name Sanders Well No. 1 Derrick Floor Elevation _____
Location NW SW Section 7 Township 9 N Range 54 W Meridian 6th PM
(quarter quarter)
1980 feet from S Section line and 660 feet from W 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 0; Gas 0
 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 April 27, 1960 Signed C. J. Lippert
Title Vice President

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

Commenced drilling December 28, 1960 Finished drilling March 5, 1960

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 | 40' KB | 50 | | | |
| 4-1/2" | 11.6# | J-55 | 5482' KB | 150 | | | |
| | | | | | | | |

CASING PERFORATIONS

| Type of Charge | No. Perforations per ft. | From | Zone To | HHM |
|---------------------|--------------------------|----------------------|---------|------|
| McCullough Frec Jet | 1 | 5378 | 5378 | JAM |
| | | | | FJP |
| | | | | JJD |
| | | | | FILE |
| TOTAL DEPTH 5495 | | PLUG BACK DEPTH 5445 | | |

Oil Productive Zone: From "J2" To _____ Gas Productive Zone: From - To -
Electric or other Logs run Micro Log & Ind. - F.S. Date January 5, 19 60
Was well cored? no Has well sign been properly posted? yes

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

| DATE | SHELL, EXPLOSIVE OR CHEMICAL USED | QUANTITY | ZONE | | FORMATION | REMARKS |
|---------|--------------------------------------|--------------|------|----|-----------|-----------------------------|
| | | | From | To | | |
| 1/29/60 | Sand frac | 10,000 gals. | 5378 | | J2 | B.D. 2900-1700 [#] |
| | | 28,000 lbs. | | | | |

Results of shooting and/or chemical treatment: Injection rate 15.4 bbls. per min. -Swabbed back 320 bbls. total oil out of 418 bbls. injected. Swabbed 38 bbls. water w/scum of oil. P & A

DATA ON TEST

Test Commenced 8 A.M. or ~~XXX~~ January 29, 1960. Test Completed 8 A.M. or ~~XXX~~ January 30, 1960
For Flowing Well: For Pumping Well:

Flowing Press. on Csg. _____ lbs./sq.in.
Flowing Press. on Tbg. _____ lbs./sq.in.
Size Tbg. _____ in. No. feet run _____
Size Choke _____ in. _____
Shut-in Pressure _____

For Pumping Well:

Length of stroke used _____ inches.

Number of strokes per minute _____

Diam. of working barrel _____ inches

Size Tbg. _____ in. No. feet run _____

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?

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)

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 | 4426 | 4800 | Shale |
| Carlile | 4800 | 4993 | Shale |
| Greenhorn Lime | 4993 | 4999 | Lime |
| Dakota "D " | 5254 | 5295 | Sand |
| Dakota "J " | 5354 | 5466 | Sand |
| Skull Creek | 5466 | T. D. | Shale |

DST #1 - 5257-66

Open 2 hrs., SI 30 min.
GTS 6 min in heads TSTM, burned throughout test
Recovered 30' gcm, 210' gcm wtr., 2200' water
FP ... 125-1086
SIP ... 1228

DST #2 - 5370-82

Open 2 hrs., SI 30 min.
Fair blow decreasing to dead in 75 min.
Recovered 10' ocm, 50' gcm wtc.
FP ... 33-50
SIP ... 1161

| DATE | SHELL EXPLOSIVE OR CHEMICAL USED | QUANTITY | ZONE | FORMATION | REMARKS |
|---------|----------------------------------|-------------|-------------------|-----------|-----------------|
| 1/29/60 | Sand frac | 10,000 lbs. | From 5378 To 5425 | J2 | B.D. 2200-1700' |

| | | | | | |
|---|--|--|--|--|--|
| Results of shooting and/or chemical treatment: Injection rate 15.4 bbls. per min. - 2 mopped back 320 bbls. total | | | | | |
| Oil out of 418 bbls. injected. Swept 38 bbls. water w/sum of oil. 1.4 bbls. | | | | | |

DATA ON TEST

| | |
|--|--------------------------------------|
| Test Commenced 8 A.M. or KKKX January 29, 1960. Test Completed 8 A.M. or KKKX January 30, 1960 | For Flowing Well: |
| Flowing Press. on Gsg. lbs./sq.in. | Length of stroke used _____ inches |
| Flowing Press. on Tpg. lbs./sq.in. | Number of strokes per minute _____ |
| Size Tpg. in. No. feet run _____ | Diam. of working barrel _____ inches |
| Size Choke _____ in. | Size Tpg. in. No. feet run _____ |
| Shut-in Pressure _____ | Depth of Pump _____ feet |
| If flowing well, did this well for the entire duration of this test without the use of swab or other artificial flow device? | |

| | |
|---------------------------------------|------------------------------|
| TEST RESULTS: Bbls. oil per day _____ | API Gravity _____ |
| Gas Vol. _____ | Gas-Oil Ratio _____ |
| Gas Gravity _____ | (Corr. to 15.025 psi & 60°F) |