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OIL & GAS
CONSERVATION COMMISSION

**OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO**



WELL COMPLETION REPORT

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 West Padroni Operator Sinclair Oil & Gas Company
 County Logan Address P. O. Box 9
 City Fort Morgan State Colorado
 Lease Name Arthur Sindt Well No. 4 Ground Level Elevation 4016
 Location C - NE - NE Section 7 Township 9 N Range 52 W Meridian 6th P M
660 feet from N Section line and 660 feet from E 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 4; 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 February 10, 1961 Signed A. B. Parker Title District Superintendent

The summary on this page is for the condition of the well as above date.
 Commenced drilling December 10, 1960 Finished drilling December 18, 1960

CASING RECORD

| SIZE | WT. PER FT. | GRADE | DEPTH LANDED | NO. SKS. CMT. | W.O.C. | PRESSURE TEST | |
|--------|-------------|------------|--------------|---------------|--------|---------------|------|
| | | | | | | Time | Psi |
| 8-5/8" | 17.28 | Armco SJSW | 164 | 170 | 12 | 1 | 600 |
| 5-1/2" | 15.5 & 14 | J55 SS R2 | 5,042 | 150-Pozmix | 72 | 2 | 1500 |

CASING PERFORATIONS

| Type of Charge | No. Perforations per ft. | From | Zone | To |
|-------------------------|--------------------------|-----------------------------|------|------|
| Super Csg. Jets | 4 | 4990 | "0" | 5003 |
| TOTAL DEPTH <u>5043</u> | | PLUG BACK DEPTH <u>5018</u> | | |

| |
|------|
| AJJ |
| DVR |
| WRS |
| HHM |
| JAM |
| FJP |
| JJD |
| FILE |

Oil Productive Zone: From 4987 To 5010 Gas Productive Zone: From - To -
 Electric or other Logs run Induction Electric; Micro-Log; Gamma-Ray Date 12-17, 1960
 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 | | |
| (12-21-60) | 200-Gals. XM-18 acid | 379-bbls. | 4990 | 5003 | "0" Sand | |
| () | w/30 gals. crude | Lease | | | | |
| () | followed by 6000# sand. | Crude oil | | | | |

Results of shooting and/or chemical treatment: From 30 bbls. oil, no water, in 16 hrs. to 62 bbls. oil, 20 bbls. water in 24 hrs.

DATA ON TEST

Test Commenced 7 A.M. or PM 12-29 1960 Test Completed 7 A.M. or PM 12-30 1960
 For Flowing Well: For Pumping Well:
 Flowing Press. on Csg. _____ lbs./sq.in. Length of stroke used 54 inches.
 Flowing Press. on Tbg. _____ lbs./sq.in. Number of strokes per minute 8
 Size Tbg. _____ in. No. feet run _____ Diam. of working barrel 1-3/4 inches
 Size Choke _____ in. Size Tbg. 2-3/8 in. No. feet run 4965
 Shut-in Pressure _____ Depth of Pump 4918 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? Yes

| |
|--|
| TEST RESULTS: Bbls. oil per day <u>62</u> API Gravity <u>16.0</u> |
| Gas Vol. <u>*</u> Mcf/Day; Gas-Oil Ratio <u>*</u> Cf/Bbl. of oil |
| B.S. & W. <u>24</u> %; Gas Gravity <u>*</u> (Corr. to 15.025 psi & 60°F) |

* Too small to measure.

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 |
|---|------|--------|---|
| PIERRE | 0 | 3808 | Shale, light to dark gray. |
| NIOBRARA | 3808 | 4069 | Shale, gray calcareous, nodules in top 40'. |
| FORT HAYS | 4069 | 4104 | Limestone, white to buff, chalky. |
| CODELL | 4104 | 4130 | Sandstone, gray, fine grained, tight, limey. |
| CARLILE | 4130 | 4358 | Shale, gray, fissile & silty. |
| GREENHORN | 4358 | 4499 | Top 5' limestone, gray brown, soft, balance gray shale w/ streaks of bentonitic & sandy formations. |
| GRANEROS | 4499 | 4599 | Shale, gray black, fossiliferous. |
| "D" SAND | 4599 | 4645 | Sand, fine grained, shaley, poor porosity, no shows. |
| GRANEROS | 4645 | 4715 | Shale, gray black, hard. |
| "J" SAND | 4715 | 4816 | Sandstone, fine grained, poor to fair porosity, no shows. |
| SKULL CREEK | 4816 | 4938 | Shale, black, brittle. |
| "M" SAND | 4938 | 4987 | Sand, fine grained, hard, no porosity or permeability, black oil stains. |
| "O" SAND | 4987 | 5043 | Sand, fine grained, shaley, fair to poor porosity & permeability, black oil stains. |
| GEOLOGICAL TOPS - (Schlumberger) | | | |
| Niobrara | 3808 | 208 | |
| Fort Hays | 4069 | 53 | |
| Carlile | 4130 | 114 | |
| Greenhorn | 4358 | 342 | |
| Bentonite | 4499 | 483 | |
| "D" Sand | 4599 | 583 | |
| "J" Sand | 4715 | 699 | |
| Skull Creek | 4816 | 800 | |
| "M" Sand | 4938 | 922 | |
| "O" Sand | 4987 | 141 | |



TEST DATA

Test Completed: 12-22 at 10:00 A.M. or P.M.
 For Pumping: 8 inches
 Length of stroke used: 1-2 1/2 ft.
 Number of strokes per minute: 20
 Diameter of working barrel: 2-3/8 in.
 Size of valve: 2-3/8 in.
 Depth of pump: 120 ft.
 If flowing well, did this well flow for the entire duration of the test without the use of wash or other artificial flow device? Yes

TEST RESULTS: Bbls. oil per day: 12.0
 Gas Vol. (scf/day): 0
 Res. & W. (gal): 0
 Gas Gravity: 0.60
 (Corr. to 15.025 psi & 60°F)
 * Gas Oil Ratio: 0
 * CUMULATIVE: 0

* Too small to measure.