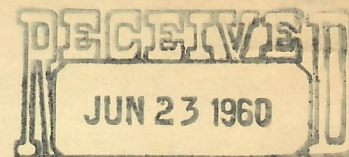




THE CLAYTON OIL COMPANY

712 PATTERSON BUILDING
DENVER 2, COLORADO
Telephone Alpine 5-0324



OIL & GAS
CONSERVATION COMMISSION

A. J. COURSON
Manager
and
General Partner

BRANCH OFFICE

~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
318A NO. EUCLID AVE.
ST. LOUIS 8, MISSOURI
Tel: Forest 1-1726

COMPLETION REPORT

The Clayton Oil Company, Jack Ladmer
#2 Kugler
C NW NE (1990' FEL, 661' FNL)
Section 11, Township 7 North, Range 58 West
Weld County, Colorado

Elevation: 4739' Ground
4747 K.B.

Formation Tops:

| | | |
|-------------|------|---------|
| Niobrara | 5496 | (-749) |
| Ft. Hays | 5762 | (-1015) |
| Carlile | 5804 | (-1057) |
| Greenhorn | 5896 | (-1149) |
| Bentonite | 6120 | (-1373) |
| D Sand | 6220 | (-1473) |
| J Sand | 6306 | (-1559) |
| Total Depth | 6316 | |

6306
6220
86

Cores:

#1 6221-6242, recovered 21'.

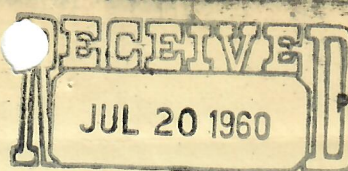
Coring time in min/ft - 13-7-8-15-6-9-11-17-12-7-4-7-9-9-6-6-10-9-20-20-17

| | |
|-------------|--|
| 6221-6223.5 | Sandstone, fine grained, low to moderate porosity and permeability, good stain, odor and fluorescence |
| 6223.5-6224 | Shale, black. |
| 6224-6230 | Sandstone, medium grained, fair porosity and permeability, stain, odor and fluorescence. Vertical fractures. |
| 6230-6235.5 | Sandstone and shale, intermixed, hard. |
| 6235.5-6239 | Sandstone, white, very fine grained, quartzitic, no show. |
| 6239-6241 | Shale, black. |

RESEARCH LAB

110 West 2nd

KIMBALL, NEBRASKA



Phone BE 5-3278

Company **CLAYTON OIL CO. & JACK LADNER**

Location **C-NW-NE Sec. 11 TWP. 7N Rge. 58W** File **N-533**

Well **KUGLER NO. 2**

Elevation **4748 KB** Remarks:

Field **WILDCAT**

Engineers **C.S. - R.P.**

County **WELD**

State **COLORADO**

Type Core Barrel **D&S 7 3/4 60.0**

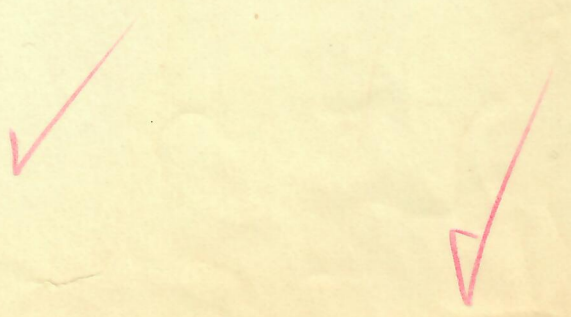
OIL & GAS

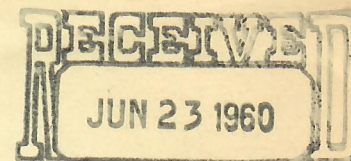
CONSERVATION COMMISSION

| SAMPLE NUMBER | DEPTH FEET | PERMEABILITY MILLIDARCYs | | POROSITY % | RESIDUAL SATUR. % PORE SPACE | | PROBABLE PRODUCTION | REMARKS |
|------------------|---------------|--------------------------|----------|---------------|------------------------------|-------|------------------------|--|
| | | HORIZONTAL | VERTICAL | | OIL | WATER | | |
| 1 | 6219.5 | 89. | 80. | 18.4 | 13.0 | 27.9 | Oil | Fine grain sand, brown, clean, stain and odor, vertical fracture. |
| 2 | 6220.5 | 139. | 125. | 16.6 | 10.8 | 33.5 | " | Same as above. |
| 3 | 6221.5 | 10. | 8.2 | 13.3 | 10.5 | 30.1 | " | Fine grain sand, brown, clean, stain and odor, vertical frac., low perm. |
| 4 | 6223.5 | 15. | 10. | 12.2 | 11.5 | 27.8 | " | Same as above. |
| 5 | 6225.5 | 88. | 81. | 13.8 | 13.8 | 31.0 | " | Fine grain sand, brown, stain and odor, vertical fracture. |
| 6 | 6226.5 | 370. | 350. | 19.5 | 12.3 | 33.6 | " | Medium grain sand, brown, clean, stain and odor. |
| 7 | 6227.5 | 466. | 290. | 17.3 | 8.1 | 29.7 | " | Medium grain sand, brown, thin shale partings, in bottom of sample, stain and odor, vertical frac. |

AVERAGES

| PERMEABILITY | | POROSITY | OIL | WATER |
|--------------|----------|----------|------|-------|
| HORIZONTAL | VERTICAL | | | |
| 168. | 135. | 15.9 | 11.4 | 30.5 |



OIL & GAS
CONSERVATION COMMISSION

Drill Stem Tests:

#1 6226-6230

Open 1 hour, shut in 30 min.

Good blow, gas to surface in 23 min.

Recovered 552' oil, 1863' water

IFP - 75 PSI

FFP - 994 PSI

SIP - 1598 PSI

HH - 3232 PSI

#2 6221-6224

Open 1 hour, 45 min., shut in 30 min.

Strong blow, gas to surface in 9 min. at maximum rate of
164,000 CF/day.

Recovered 3275' Oil

IFP - 58 PSI

FFP - 716 PSI

SIP - 1562 PSI

HH - 2993 PSI

Casing Record:

Surface: 153'

8-5/8

24#

w/125 sax

Production: 1373'

5-1/2

15.5#

4943' 5-1/2

14.5#

w/125 sax, 50% Posmix

Well History:

5/9/60 Rig up and spud. Drilled to 168' and set surface casing.
 5/10/60 Drilled to 2695', deviation 3/4°.
 5/11/60 Drilled to 4460'
 5/12/60 Drilled to 5525'
 5/13/60 Drilled to 5957'
 5/14/60 Drilled to 5219'. Cut and pulled core #1. Reamed core hole and drilled to 6292'.
 5/15/60 Drilled to 6313'. Ran electric logs. Ran DST #1. Pulled DST #1 and ran tools for DST #2.
 5/16/60 Ran and pulled DST #2. Ran 42 jts. production casing.
 5/17/60 Ran remainder of production casing and cemented same.

Bit Record:

| No. | Type | Size | In | Out | Total |
|-----|-------|-------|------|------|-------|
| 1 | OSC-3 | 7-7/8 | 168 | 2892 | 2724 |
| 2 | YT3 | 7-7/8 | 2892 | 3473 | 581 |
| 3 | OSC-3 | 7-7/8 | 3473 | 4532 | 1059 |
| 4 | OSC-3 | 7-7/8 | 4532 | 5540 | 1008 |
| 5 | YT-3 | 7-7/8 | 5540 | 5957 | 417 |
| 6 | YT-3 | 7-7/8 | 5957 | 6219 | 262 |
| 1 | Truco | 7-3/4 | 6219 | 6240 | 21 |
| 7 | YS-1 | 7-7/8 | 6240 | 6313 | 73 |