WELL PLUGGING RECORD

RAWLINS

Location as "NE/CNWSW" or footage from line: NE/SE/SW
Lease Owner: Miami Petroleum Company, Inc.
Lease Name: Fred Brunn, "A"
Well No.: 1
Office Address: Drawer 2040, Abilene, Texas
Character of Well (completed as Oil, Gas or Dry Hole): Oil
Date well completed: June 19, 1956
Application for plugging filed: herewith
Application for plugging approved: Verbal & written - October 61
Plugging commenced: October 24
Plugging completed: October 30
Reason for abandonment of well or producing formation reached economic limits: Production from lease
If a producing well is abandoned, date of last production: Oct. 4
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

FORMATION CONTENT FROM TO SIZE PUT IN PULLED OUT

Lansing-Kansas City Oil & Gas 4312 4329 51.4" 4655' 2095'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Plugged back to 4100'; dumped 30' sand - dumped 4 sacks cement.

CASING RECORD

RECEIVED
STATE CORPORATION COMMISSION
NOV 20 1961
CONSERVATION DIVISION
Wichita, Kansas

Name of Plugging Contractor: Central Pipe Pulling Company
Address: 1416 Coolidge, Great Bend, Kansas

STATE OF Texas COUNTY OF Taylor

Jack Stivers, Vice President

If operating company
Signature of above named party to the lease, of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct.

(Signature)

Taylor

(submitted)

15th of November 1961

My commission expires June 1, 1963

Majorie D. Lubbering

Taylor County, Texas

Notary Public.
**Formation Tops, Zones of Oil Shows, Porosity and Odor:**

<table>
<thead>
<tr>
<th>Formation</th>
<th>Schlumberger Top</th>
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</thead>
<tbody>
<tr>
<td>Greenhorn</td>
<td>2035 (-1296)</td>
</tr>
<tr>
<td>Dakota</td>
<td>2180 (-1150)</td>
</tr>
<tr>
<td>Skull Creek</td>
<td>2505 (-825)</td>
</tr>
<tr>
<td>Lakota</td>
<td>2620 (-710)</td>
</tr>
<tr>
<td>Morrison</td>
<td>2735 (-595)</td>
</tr>
<tr>
<td>Blaine Gypsum</td>
<td>3030 (-300)</td>
</tr>
<tr>
<td>Harper Sand</td>
<td>3095 (-235)</td>
</tr>
<tr>
<td>Stone Corral (Anhydrite)</td>
<td>3218 (-112)</td>
</tr>
<tr>
<td>Harrington (Chase Group)</td>
<td>3421 (-91)</td>
</tr>
<tr>
<td>Fort Riley</td>
<td>3782 (-432)</td>
</tr>
<tr>
<td>Florence</td>
<td>3812 (-482)</td>
</tr>
<tr>
<td>Topeka</td>
<td>4168 (-838)</td>
</tr>
<tr>
<td>Lansing-Kansas City</td>
<td>4312 (-982)</td>
</tr>
<tr>
<td>Base/Kansas City</td>
<td>4540 (-1210)</td>
</tr>
<tr>
<td>Cherokee</td>
<td>4778 (-1448)</td>
</tr>
<tr>
<td>Chert Conglomerate</td>
<td>4947 (-1817)</td>
</tr>
<tr>
<td>Mississipi</td>
<td>4959 (-1829)</td>
</tr>
<tr>
<td>Gilmore City</td>
<td>5014 (-1864)</td>
</tr>
<tr>
<td>Arbuckle</td>
<td>5124 (-1794)</td>
</tr>
<tr>
<td>Total Depth</td>
<td>5200 (-1870)</td>
</tr>
</tbody>
</table>
Miami Operating Company  
P. Brumm "A" #1 NE SE SW  
Section 7-T28-R36W  
Rawlins County, Kansas

**DAKOTA SAND** 2180 (#1150)  
White fine grained consolidated sand and brown dense fine grained consolidated sand grading into loose medium to coarse grained sand. There was no show of oil or gas present in the Dakota Sand section cut in this test.

**LAKOTA SAND** 2620 (#710)  
White, dense, medium grained angular sand. Consolidated. No show of oil or gas was present in this Lakota Sand section.

**HARPER SAND** 3095 (#235)  
Red, fine grained consolidated sand. No show of oil or gas was present in the Harper Sand Section.

**CHASE GROUP** 3421 (- 91)  
4040-4046 Rare spotted dead oil stain, gilsonite, in chalky buff lime. No porosity. Saturation very poor. No odor and no free oil in wet samples. This zone of no commercial value.

4108-4117 White to buff crystalline lime carrying abundant black dead oil stain and gilsonite. Saturation poor and spotted. No odor and no free oil in wet samples. Traces of poor pin point porosity. This zone of no commercial value.

The above two mentioned shows were the only shows of oil or gas encountered in the entire Chase Group cut in this test. There were several other zones of poor to fair pin point porosity but they were barren of any oil or gas shows.

4168-4176 Buff and brown crystalline and sucrose lime carrying scattered dark brown oil stain. Traces of pin point and vugular porosity. Saturation fair but scattered. No odor in wet samples. Traces of free oil in wet samples when lime was broken.

**DRILL STEM TEST #1**  
4170-4176 Halliburton Tool  
Tool open one hour. Weak blow for 20 minutes. Recovered 15 feet of rotary mud. Initial flow pressure 0#, Final flow pressure 0#, Bottom hole pressure 1460# in twenty minutes.
Miami Operating Company
F. Burnum "A" #1 NE SE SW
Section 7-T26-36W
Rawlins County, Kansas

4176-4186 Scattered, spotted light to dark brown oil stain in buff crystalline lime. Traces of vugular and pin point porosity. Trace of free oil in wet samples. No odor in wet samples. Saturation fair but spotted.

DRILL STEM TEST #2  4176-4186  Halliburton Tool
Tool Open one hour. Weak blow for 12 minutes. Recovered 10 feet free oil (25 gravity) 25 feet oil cut mud, and 10 feet fresh water. Initial flow pressure 0#, final flow pressure 0#, bottom hole pressure 1030# in thirty minutes.

4196-4210 Buff crystalline lime as above with stain decreasing and porosity decreasing. No odor and no free oil in wet samples.

4224-26 Fine grained grey consolidated sand carrying traces of light oil stain with light fluorescence. No odor and no free oil in wet samples. Electric log shows this zone to be wet. This zone of no commercial value.

4251-4263 Buff oolithic lime carrying dark brown oil stain and some waxes. No odor and no free oil in wet samples. Buff crystalline lime carrying spotted dark brown oil stain. Trace of free oil in wet samples. No odor in wet samples. Fair pin point, vugular and oolithic porosity.

DRILL STEM TEST #3  4249-4263  Halliburton Tool
Tool Open two hours. Weak steady blow for two hours. Recovered 15 feet heavy oil cut mud, 30 feet oil cut mud. Initial flow pressure 0#, final flow pressure 0#, bottom hole pressure 1475# in 30 minutes.

4263-4275 Dense buff crystalline lime carrying rare traces of dark brown oil stain. No porosity. No odor and no free oil in wet samples. This zone did not merit drill stem testing.

4321-29 Scattered spotted light oil stain in brown crystalline and sucrose lime. No odor and no free oil in wet samples. Fair pin point porosity. This zone should be tested before abandoning this test.
Miami Operating Company  
F. Brunw "A" #1 NE SE SW  
Section 7-T28-R36W  
Rawlins County, Kansas

4369-83 Scattered light to dark brown oil stain in buffer crystalline and sucrose lime. Trace of vugular and pin point porosity. No odor in wet samples. Trace of free oil in wet samples. Saturation fair.

DRILL STEM TEST # 4  4363-4383  Halliburton Tool Tool Open two hours. Weak steady blow for two hours. Recovered 60 feet slightly muddy oil and 60 feet oil cut mud. Initial flow pressure 0#, final flow pressure 70#, Bottom hole pressure 870# in thirty minutes.

4410-4423 Traces of bufferlastic lime carrying light to dark brown oil stain. Grey crystalline lime carrying light to dark brown oil stain. Traces of free oil in wet samples. No odor in wet samples, saturation fair. Pin point and vugular porosity.

DRILL STEM TEST # 5  4410-4427  Halliburton Tool Tool Open two hours. Fair to strong blow for two hours. Recovered 270 feet clean oil (33 gravity) 30 feet oil cut mud slightly fresh water cut, and 3800 feet of gas. Initial flow pressure 0#, final flow pressure 140#, bottom hole pressure 1000# and still climbing in 30 minutes.

4468-4469 Rare traces of light brown oil stain in white dense crystalline lime. No odor and no free oil in wet samples. No porosity. This zone of no commercial value.

4492-4502 White crystalline lime carrying rare traces of gismonite stain. This zone of no commercial value.

BASE KANSAS CITY  4540 (-1210)

MARMATON  4540 (-1210)

4563-68 Dense buff and brown lime carrying rare light oil stain. No odor and no free oil in wet samples. Traces of vugular and pin point porosity. Saturation poor and very spotted. This zone of no commercial value.

4650-68 Scattered light to black oil stain in dense buff crystalline lime. No free oil and no odor in wet samples. Saturation poor. Traces of pin point porosity.
Miami Operating Company  
F, Bruen "A" #1 NE SE SW  
Section 7-T28-R36W  
Rawlins County, Kansas  

4679-84 Rare light spotted and stain in dense and brown lime. No porosity. No odor and no free oil in wet samples. Saturation poor.

DRILL STEM TEST #6 4650-4687 Halliburton Tool  
Tool Open one hour. Weak blow for 29 minutes.  
Recovered 35 feet mud slightly fresh water cut.  
Initial flow pressure 0#, final flow pressure 0#,  
bottom hole pressure 550# and still climbing in thirty minutes.

4757-62 Rare dark brown to black oil stain in buff crystalline lime. Trace of poor vugular porosity. No odor and no free oil in wet samples. Saturation poor. This zone of no commercial value.

There were several good sand sections developed in the Cherokee section cut in this test but they were barren of any oil or gas shows. There were no shows of oil or gas encountered in the entire Cherokee section cut and this section is of no commercial value.

BUFF, white and brown chert, opaque and sharp. No porosity. No show of oil or gas. This section of no commercial value.

MISSISSIPPI 4959 (-1629)

White to buff very fine sucrose dolomite grading into a white crystalline lime and sandy crystalline dolomite. No show of oil or gas was present in the Mississippi section cut and this section is of no commercial value.

GILMORE CITY 5014 (-1684)

Dense brown massive lime and crystalline lime. Microfossiliferous in part with black specks and some spicules. This dense lime graded into white and brown crystalline lime. Some good porosity present but this section was barren of any oil or gas shows. This Gilmore City section is of no commercial value.

ARBuckle 5124 (-1794)

Very sandy dolomite, coarse crystalline, with much glauconite, in the upper most part then grading into a medium to coarse crystalline buff dolomite with some crystalline glauconite still present. Very good porosity was recognized in the samples. There were no shows of oil or gas present in the Arbuckle section cut and this section is of no commercial value.

T.D. 5200 (-1870)