STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Bldg.
Wichita, Kansas 67202

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit

COUNTY Decatur
SEC. 12 TWP. 28 RGE. 30 W E/W
Location as in quarters or footage from lines:

Lease Owner Monarch Energy Corporation
Lease Name E. Mims #1
Well No. 
Office Address Suite 403 2431 E. 51st. St. Tulsa, Okla. 74105
Character of Well (Completed as Oil, Gas or Dry Hole):
Date Well Completed
Application for plugging filed
Plugging commenced 6-8-82
Plugging completed 6-11-82
Reason for abandonment of well or producing formation

Was permission obtained from the Conservation Division or it's Agent's before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Carl Goodrow
Producing formation Depth to top bottom T.D. 4360'
Show depth and thickness of all water, oil and gas formations.

<table>
<thead>
<tr>
<th>Formation</th>
<th>Content</th>
<th>From</th>
<th>To</th>
<th>Size</th>
<th>Put In</th>
<th>Pulled Out</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8-5/8'</td>
<td>none</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4-1/2''</td>
<td>6040'</td>
<td>1500'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 off bottom with sand to 3800' and ran 6 sacks cement. Shot casing 8' 2457', 2284', 2117', 1920', 1727' and 1510'. Pulled a total of 37 joints of 4-1/2' casing. Plugged well with 2 sacks hulls, 20 sacks gel, 70 sacks cement, 30 sacks gel, 60 sacks cement, released plug and displaced with 10 sacks cement, 50/50 pers. 42 gel, 3% cr.

Plugging Complete.

If additional description is necessary, use BACK of this sheet

Name of Plugging Contractor Kelvin Casing Pulling

STATE OF Kansas COUNTY OF Rice SS.
R. Darrell Kelso (employee of owner) or (owner or operator) 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. So help me God.

(Signature)

Box 347 Chase, Ks. 67524

ADDRESS

SUBSCRIBED AND SWORN TO before me this 18th day of June 1982

My Commission expires: 

Notary Public.
**KANSAS DRILLERS LOG**

**API No. 15 — 039 — 20,472 — 0000**

**Operator**
Monarch Energy Corp.

**Address**
Suite 403, 2431 E. 51st St. Tulsa, Okla 74105

**Well No.**
#1 E. Mines

**Footage-Location**
1880 feet from (N) (NW) line 3300 feet from (E) (SW) line NW

**Principal Contractor**
J & C Drilling

**Geologist**
Martin K. Dubois

**Spud Date:**
12-9-79

**Total Depth:**
4340

**P.R.T.D.**
3950

**Date Completed**
12-21-79

**Oil Purchaser**
Cities Service

**CASING RECORD**

<table>
<thead>
<tr>
<th>Purpose of string</th>
<th>Size hole drilled</th>
<th>Size casing set (in O.D.)</th>
<th>Weight lbs/ft.</th>
<th>Setting depth</th>
<th>Type cement</th>
<th>Sacks</th>
<th>Type and percent additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12 1/2</td>
<td>8 5/8</td>
<td>24</td>
<td>247'</td>
<td>Pozmix 190</td>
<td>60:40</td>
<td>3% CaCl.</td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8&quot;</td>
<td>4%</td>
<td>9.5</td>
<td>4040</td>
<td>Pozmix 200</td>
<td>50:50</td>
<td>2% gel, 18% 0.75% CFR-2</td>
</tr>
</tbody>
</table>

**LINER RECORD**

<table>
<thead>
<tr>
<th>Top, ft.</th>
<th>Bottom, ft.</th>
<th>Sacks cement</th>
<th>Shots per ft.</th>
<th>Size &amp; type</th>
<th>Depth interval</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>JHPF</td>
<td>3770-72</td>
</tr>
</tbody>
</table>

**TUBING RECORD**

<table>
<thead>
<tr>
<th>Size</th>
<th>Setting depth</th>
<th>Packer set at</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 3/8&quot;</td>
<td>3985.64</td>
<td></td>
</tr>
</tbody>
</table>

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

<table>
<thead>
<tr>
<th>Amount and kind of material used</th>
<th>Depth interval treated</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 gals. 15% MCA acid flushed with formation salt water BDP 500psi, AIR 0.25 BPM at 300 psi. ISIP 300 psi.</td>
<td>3770-72</td>
</tr>
<tr>
<td>5 min. SIP 300 psi., 15 min. SIP 250 psi. Retreated with 2000 gals 15% CRA-22 acid followed by 2000 gal 2% KCl overflush with 1 gal. 1000 claystays and 1 gal. 15 N demulsifier AIR 4BPM @ 500 psi. ISIP 350 psi., 5 min. SIP 250 psi.</td>
<td></td>
</tr>
</tbody>
</table>

**INITIAL PRODUCTION**

<table>
<thead>
<tr>
<th>Date of first production</th>
<th>Producing method (flowing, pumping, gas lift, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-13-80</td>
<td>pumping</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RATE OF PRODUCTION PER 24 HOURS</th>
<th>Oil bbls.</th>
<th>Gas MCF</th>
<th>Water bbls.</th>
<th>Gas-oil ratio</th>
<th>Producing interval(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.67</td>
<td>---</td>
<td>---</td>
<td>0</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

**INSTRUCTIONS:** As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Driller's Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67205. Copies of this form are available from the Conservation Division, State Geological Survey Commission, 3830 Sa. Meridian (P.O. Box 1707), Wichita, Kansas 66417. Phone AG 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Driller's Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

C-10-1972
## WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

<table>
<thead>
<tr>
<th>FORMATION DESCRIPTION, CONTENTS, ETC.</th>
<th>TOP</th>
<th>BOTTOM</th>
<th>NAME</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone Corral</td>
<td>2514</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foraker</td>
<td>3245</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Topeka</td>
<td>3559</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heebner</td>
<td>3723</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lansing</td>
<td>3768</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base Kansas City</td>
<td>3993</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cherokee</td>
<td>4121</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arbuckle</td>
<td>4297</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Depth</td>
<td>4337</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DRILL STEM TESTS

**DST #1 3726-81 45-45-45-90**

No blow, flushed tool, no blow, weak blow in 15 minutes, increased to fair blow on first open; fair blow throughout second open. Recovered 120' gas in pipe, 50' of gassy oil, 60' of oil cut mud. Flow pressures: 45-43, 65-65 Shut in pressures: 846-868 Hydrostatic pressures: 1909-1888 Bottom hole temperature: 107 degrees F

**DST #2 3824-75 30-30-30-30**


**DST #3 3872-3917 30-30-30-30**

Weak blow that died on first open; flushed tool, no blow on second open. Recovered 8' mud Flow pressures: 76-76, 76-87 Shut in pressures: 1072-99 Hydrostatic pressures: 1993-1993

**DST #4 3897-3935 45-45-45-90**

Fair blow for 24 minutes, decreased to weak blow on first open; no blow on second open. Recovered 80' slightly gas cut mud with scum of oil on top of the tool Flow pressures: 87-87, 109-109 Shut in pressures: 218-240 Hydrostatic pressures: 2035-2014

**USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.**

**Date Received**

**Signature**

**Title**

**March 14, 1980**

**Date**