Kansas Corporation Commission
Oil & Gas Conservation Division

Well Completion Form
Well History - Description of Well & Lease

API No.: 15-077-3454-00-00

County: Harper

S/2, S/2, NE Sec. 17 Twp. 33 S. R. 6

feet from \( S / N \) (circle one) Line of Section

feet from \( E / W \) (circle one) Line of Section

Footages Calculated from

Nearest Outside Section Corner:


Lease Name: Carothers Family "B"

Well #: 1

Field Name: Wicheh

Producing Formation: Mississippian

Elevation: Ground: 1328

Kelly Bushing: 1333

Total Depth: 4490

Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at 279

Feet

Multiple Stage Cementing Collar Used? Yes

No

If yes, show depth set

Feet

If Alternate II completion, cement circulared from

feet depth to

w.

sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Permit)

Chloride content 9,000 ppm

Fluid volume 480 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: Carothers Family "B"

License No.:

Quarter Sec. Twp. S. R. East West

County:

Docket No.:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]

Title: Geologist

Date: 9/22/03

Subscribed and sworn to before me this 22nd day of September, 2003.

Notary Public: [Signature]

Date Commission Expires: 9/1/06

KCC Office Use ONLY

Yes Letter of Confidentiality Attached

Denied, Yes [Date:]

Wireline Log Received

Geologist Report Received

UIC Distribution
Operator Name: Pintail Petroleum, Ltd.  Lease Name: Carothers Family "B"  Well #:  
Sec. 17  Twp. 33  S.  R. 6  East  West  County: Harper  

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stem tests. Interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressure, bottom-hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  Log  Formation (Top), Depth and Datum  Sample  
(Attach Additional Sheets)  
Name  Top  Datum  
Heebner  3214  -1881  
Iatan  3579  -2246  
KC  3825  -2492  
Cherokee Shale  4250  -2917  
Mississippi  4412  -3079  

Compensated Density/Neutron  
KCC WICHITA  

RECEIVED  SEP 23 2003  

Casing Record  New  Used  
Report all strings set-conductor, surface, intermediate, production, etc.  

<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 of Cement</th>
<th># Sacjs Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12-1/4&quot;</td>
<td>8-5/8&quot;</td>
<td>23#</td>
<td>279'</td>
<td>60/40 poz</td>
<td>200</td>
<td>2%gel 3%cc</td>
</tr>
<tr>
<td>Production</td>
<td>7-7/8&quot;</td>
<td>4-1/2&quot;</td>
<td>10.5#</td>
<td>4488'</td>
<td>ASC</td>
<td>150</td>
<td></td>
</tr>
</tbody>
</table>

Additional Cementing / Squeeze Record  

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth Top Bottom</th>
<th>Type of Cement</th>
<th># Sacjs Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforate Protect Casing</td>
<td>3455-3346</td>
<td>60/40 poz</td>
<td>150 sx</td>
<td>2%gel 3%cc</td>
</tr>
</tbody>
</table>

Perforation Record - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated  

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>4417-4423</td>
<td>1500 gals MCA</td>
<td>9/22/03</td>
</tr>
<tr>
<td>IAN 8 4 2005</td>
<td>1500 gals MCA</td>
<td>1250 gals 10% HCl</td>
<td></td>
</tr>
<tr>
<td>FROM CONFIDENTIAL</td>
<td>4000 gals 7-1/2% gelled acid, carrying 21 sx</td>
<td>20/40 sand</td>
<td></td>
</tr>
</tbody>
</table>

Tubing Record  

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer At</th>
<th>Liner Run</th>
<th>Producing Method</th>
<th>Date of First, Resumed Production, SWD or Enhr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-7/8&quot;</td>
<td>4425</td>
<td></td>
<td></td>
<td></td>
<td>22/03</td>
</tr>
</tbody>
</table>

Producing Method  

<table>
<thead>
<tr>
<th>Flowing</th>
<th>X Pumping</th>
<th>Gas Lift</th>
<th>Other (Explain)</th>
</tr>
</thead>
</table>

Estimation Production Per 24 Hours  

<table>
<thead>
<tr>
<th>Oil Bbls.</th>
<th>Gas Mcf</th>
<th>Water Bbls.</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td></td>
<td></td>
<td></td>
<td>50</td>
</tr>
</tbody>
</table>

Disposition of Gas  

METHOD OF COMPLETION  

<table>
<thead>
<tr>
<th>Open Hole</th>
<th>Perf.</th>
<th>Dually Comp.</th>
<th>Commingled</th>
</tr>
</thead>
</table>

Production Interval  

| Vented | Sold | Used on Lease (If vested, submit ACO-18) |  | Other (Specify) |
|---------|------|------------------------------------------| | |
05/28/2003  DST #1  4407' - 4433'  30" - 45" - 45" - 60"

1st Open: Bottom of bucket in 15 seconds.
2nd Open: Bottom of bucket immediately, gas to surface in 3 minutes.

Gauged: 10 minutes 1/8 choke = 4.1 mcfd
       20 minutes 1/8 choke = 5.5 mcfd
       30 minutes 1/8 choke = 5.7 mcfd
       40 minutes 1/8 choke = 6.0 mcfd

Recovered: 35' mud with oil specs.

IFP  32# - 31#  IBPH  821#
FFP  20# - 30#  FBHP  884#
HYD  2217# - 2129#  Temp  137°
To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE: ____________________________

ANY APPLICABLE TAX WILL BE CHARGED UPON INVOICING

PRINTED NAME: ____________________________
To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

Signature

ANY APPLICABLE TAX WILL BE CHARGED UPON INVOICING

PRINTED NAME
22 September, 2003

Kansas Corporation Commission
130 S. Market, room 2078
Wichita, KS 67202

RE: Pintail Petroleum LLC
Carothers Family “B-1”
Sect. 17-33S-33W
Harper County, KS

To Whom It May Concern:

Please keep the information on the Carothers Family B-1 confidential for a period of one year.

Thank you,

Beth A. Isern