

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 101-21,603-6000

County Lane

NE SE NW Sec. 16 Twp. 17S Rge. 29 East West

3630 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Boomhower "C" Well # 1

Field Name Unnamed

Producing Formation None

Elevation: Ground 2098 279r KB 2103 280.3 *KB*

Total Depth 4625 PBDT _____

Operator: License # 5123

Name: Pickrell Drilling Company, Inc.

Address 110 N. Market, Suite 205

City/State/Zip Wichita, Kansas 67202

Purchaser: _____

Operator Contact Person: Jay C. McNeil

Phone (316) 262-8427

Contractor: Name: Company Tools

License: 5123

Wellsite Geologist: Billy G. Klaver

Designate Type of Completion
 New Well Re-Entry Workover

Oil SMD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OMO: old well info as follows:

Operator: _____

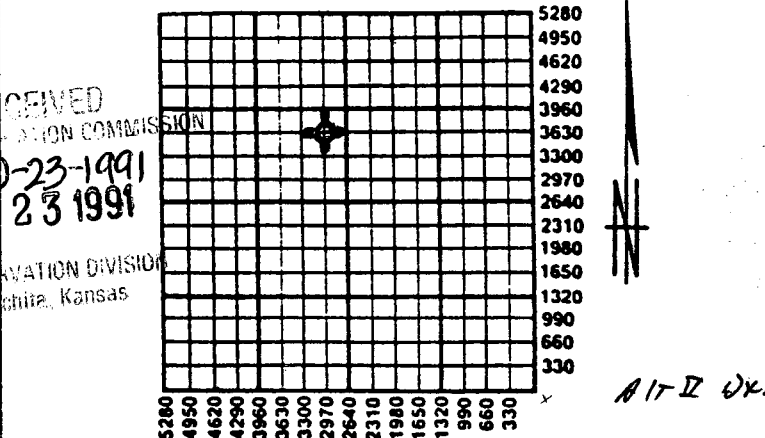
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

10-04-91 10-14-91 10-15-91

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 230' KB Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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

Signature *C. W. Sebitts*
Title President Date 10-18-91

Subscribed and sworn to before me this 18th day of October, 19 91.

Notary Public *Verdella Lewis*

Date Commission Expires 6-06-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SMD/Rep NGPA
 KGS Plug Other
(Specify)

NOTARY PUBLIC - State of Kansas
VERDELLA LEWIS
My Appt. Exp. 6-6-94

Operator Name Pickrell Drilling Co. Inc. Lease Name Boomhower "C" Well # 1
 Sec. 16 Twp. 17S Rge. 29W East County Lane
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Log</td> <td style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> <tr> <td>Anhydrite</td> <td style="text-align: center;">2193(+ 610)</td> <td></td> </tr> <tr> <td>Heebner</td> <td style="text-align: center;">3910(-1107)</td> <td></td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">3950(-1147)</td> <td></td> </tr> <tr> <td>Stark</td> <td style="text-align: center;">4213(-1410)</td> <td></td> </tr> <tr> <td>B/Kansas City</td> <td style="text-align: center;">4310(-1507)</td> <td></td> </tr> <tr> <td>Marmaton</td> <td style="text-align: center;">4324(-1521)</td> <td></td> </tr> <tr> <td>Pawnee</td> <td style="text-align: center;">4409(-1606)</td> <td></td> </tr> <tr> <td>Fort Scott</td> <td style="text-align: center;">4463(-1660)</td> <td></td> </tr> <tr> <td>Cherokee</td> <td style="text-align: center;">4486(-1683)</td> <td></td> </tr> <tr> <td>Johnson Zone</td> <td style="text-align: center;">4528(-1725)</td> <td></td> </tr> <tr> <td>Mississippi</td> <td style="text-align: center;">4562(-1759)</td> <td></td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Anhydrite	2193(+ 610)		Heebner	3910(-1107)		Lansing	3950(-1147)		Stark	4213(-1410)		B/Kansas City	4310(-1507)		Marmaton	4324(-1521)		Pawnee	4409(-1606)		Fort Scott	4463(-1660)		Cherokee	4486(-1683)		Johnson Zone	4528(-1725)		Mississippi	4562(-1759)	
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CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12 1/4"	8 5/8"	20#	230'KB	60/40 poz	150sx	2%gel, 3% CC

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Pecker At Liner Run Yes No

Date of First Production None	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perforation <input type="checkbox"/> Dually Completed <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval _____
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ORIGINAL

PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 205
WICHITA, KANSAS 67202-1996
(316) 262-8427

#1 Boomhower "C"
NE SE NW
Sec. 16-17S-29W
Lane County, Kansas

API: 15-101-21,603
ELEV: 2801'KB, 2799'DF, 2796'GL
1650' From North Line of Section
2310' From West Line of Section

- 10-04-91: RURT & Spud.
- 10-07-91: (On 10-04) Spud @ 12:00 PM. Set new 8 5/8" 20# Csg. @ 230' KB, cmt w/150sx of 60/40 poz, 2% gel, 3% CC. Cmt circ. PD @ 3:15 PM on 10-04-91. (On 10-05) SDFWE.
- 10-08-91: Drlg. @ 2121'.
- 10-09-91: Drlg. @ 3025'.
- 10-10-91: Drlg. @ 3565'.
- 10-11-91: Drlg. @ 3950'.
- 10-14-91: (On 10-12) Drlg. @ 4184. DST #1 4118'-4184', 30"-30"-30"-30", Rec. 60' thin mud (SS0), IFP 44#-55#, FFP 66#-77#, ISIP 1063#, FSIP 953#. (On 10-13) Drlg. @ 4390'. (On 10-14) Drlg. @ 4500'.
- 10-15-91: RTD 4625'. DST #2 4332'-4410', 30"-30"-30"-30", Rec. 5' Mud, IFP 33#-33#, FFP 33#-33#, ISIP 33#, FSIP 33#. LTD 4623'. Prep to plug.
- 10-16-91: (On 10-15) Plugged w/50sx @ 2230', 50sx @ 1100', 50sx @ 600', 50sx @ 270', 10sx w/bridge plug @ 40', 15sx rathole, 60/40 poz, 6% gel. Complete @ 9:00 AM on 10-15-91.

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STATE CORPORATION COMMISSION

10-23-1991
OCT 23 1991

CONSERVATION DIVISION
Wichita, Kansas

SAMPLE TOPS

T/Anhydrite	2195(+ 606)
B/Anhydrite	2224(+ 577)
Heebner	3914(-1111)
Toronto	3933(-1130)
Lansing	3954(-1151)
Stark	4216(-1413)
B/Kansas City	4313(-1510)
Pawnee	4413(-1610)
Myrick Station	4445(-1642)
Fort Scott	4466(-1663)
Cherokee	4488(-1685)
Johnson Zone	4531(-1728)

ELECTRIC LOG TOPS

Anhydrite	2193(+ 610)
Heebner	3910(-1107)
Lansing	3950(-1147)
Stark	4213(-1410)
B/Kansas City	4310(-1507)
Pawnee	4409(-1606)
Fort Scott	4463(-1660)
Cherokee	4486(-1683)
Johnson Zone	4428(-1725)
Mississippi	4562(-1759)

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 2988

ORIGINAL

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
10- 24 ¹⁵ 91	16	17	29	3:15 AM	5:30 AM	7:15 AM	4:15 AM
Lease <i>Boornhauer</i>	Well No. <i>4-C</i>	Location <i>Righton N to Feed lot 1/4W 1/2S W1/4</i>			County <i>Lane</i>	State <i>Ka</i>	

Contractor <i>Picknell</i>	
Type Job <i>Plug</i>	
Hole Size <i>7 7/8</i>	T.D. <i>4625'</i>
Csg.	Depth
Tbg. Size	Depth
Drill Pipe <i>4 1/2 XH</i>	Depth <i>2230'</i>
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner <i>Same</i>
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 listed.
Charge To <i>Picknell Drilling</i>
Street <i>110 N. Market Suite 205</i>
City <i>Wichita</i> State <i>Ks. 67202</i>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No.
X <i>Richard Form</i>
CEMENT

EQUIPMENT		
<i>New City</i>	No.	Cementer
Pumptrk # <i>63</i>		Helper
	No.	Cementer <i>J.D.</i>
Pumptrk		Helper <i>Bob</i>
		Driver <i>KEITH</i>
Bulktrk # <i>220</i>		Driver

Amount Ordered <i>2350x 60/40 6% gel 1/4" flo seal per ax</i>		
Consisting of		
Common <i>141</i>	<i>5.25</i>	<i>740.25</i>
Poz. Mix <i>94</i>	<i>2.25</i>	<i>211.50</i>
Gel. <i>14</i>	<i>6.75</i>	<i>94.50</i>
Chloride		
Quickset		
Flo Seal <i>59#</i>	<i>1.00</i>	<i>59.00</i>
	Sales Tax	
Handling <i>235</i>	<i>1.00</i>	<i>235.00</i>
Mileage <i>40</i>		<i>376.00</i>
	Sub Total	
	Total	<i>1716.25</i>

DEPTH of Job		
Reference:		
<i>40</i>	<i>Pump truck charge</i>	<i>380.00</i>
	<i>Mileage</i>	<i>80.00</i>
	<i>1 8 3/8" dry hole plug</i>	<i>21.00</i>
	Sub Total	
	Tax	
	Total	<i>481.00</i>

Floating Equipment		
	<i>2197.25</i>	
	<i>329.59</i>	
	<i>1867.66</i>	

Remarks:
 1st *500x 2230'*
 2nd *500x 1100'*
 3rd *500x 600'*
 4th *500x 270'*
100x - 40' + solid bridge plug.
150x in rat hole.
** plugged water well. - Thank you.*

*Allied Cementing
 & Drilling*

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 OCT 23 1991
 CONSERVATION DIVISION
 Wichita, Kansas

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 2981

ORIGINAL

<i>New</i>	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
Date 10-4-91	16	17	29	1:00 PM	2:30 PM	3:00 PM	3:15 PM
Lease Boomhauer C ¹	Well No. 1	Location Dighton 5N 4W 1/4N E into			County Lane	State Ka	

Contractor <i>Picknell</i>	
Type Job <i>Surface</i>	
Hole Size <i>12 1/4</i>	T.D. <i>234'</i>
Csg. <i>8 5/8</i> 20"	Depth <i>230'</i>
Tbg. Size	Depth
Drill Pipe <i>15'</i>	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line <i>NO</i>	Displace <input checked="" type="checkbox"/> <i>14.</i>
Perf.	

Owner *same*
 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 listed.

Charge To *Picknell Drilling Co. Inc.*
 Street *110 N. Market Suite 205*
 City *Wichita* State *Ks. 67202*
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X *W. J. Tolkat*

CEMENT

Amount Ordered *150 cu yd 60/40 2% gel 3% cc*

Consisting of		
Common	<i>90</i>	<i>5.25 472.50</i>
Poz. Mix	<i>60</i>	<i>2.25 135.00</i>
Gel.	<i>3</i>	<i>6.75 20.25</i>
Chloride	<i>5</i>	<i>21.00 105.00</i>
Quickset		

Handling <i>150</i>	<i>1.00</i>	<i>150.00</i>
Mileage <i>40</i>		<i>240.00</i>
		Total <i>1102.50</i>

Floating Equipment
 Total \$ *1604.50*
 Disc - *240.68*
 \$ *1363.82*

EQUIPMENT

<i>New City</i>	No.	Cementer	
Pumptrk	<i>158</i>	Helper	
Pumptrk	No.	Cementer	<i>J.D.</i>
		Helper	<i>Bob</i>
		Driver	<i>MIKE</i>
Bulktrk	<i>69</i>		
Bulktrk		Driver	

DEPTH of Job

Reference:	<i>Pump truck charge</i>	<i>380.00</i>
	<i>40 Mileage</i>	<i>80.00</i>
	<i>1 8 3/8 TWP</i>	<i>42.00</i>
	Total	<i>502.00</i>

Remarks: *Cement did circulate*

Thank you.

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