

Operator Name Pickrell Drilling Co. Inc. Lease Name Carter "L" Well # 1
 Sec. 4 Twp. 16S Rge. 25 East West
 County Ness

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	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1923(+ 596)	
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Base/Anhydrite	1961(+ 558)	
List All E.Logs Run:		Heebner	3819(-1300)	
NONE		Lansing	3860(-1341)	
		Stark	4095(-1576)	
		Base/Kansas City	4159(-1640)	
		Fort Scott	4362(-1843)	
		Cherokee Shale	4387(-1868)	
		Mississippian	4473(-1954)	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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#	309' KB	60-40 poz	175	2%gel, 3%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
P&A		60-40 poz	255sx	6%gel w/1/4# Floseal per sx.
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run
None				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SMD or Inj.	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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: _____

15-135-23860-0000

PICKRELL DRILLING COMPANY, INC.

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

ORIGINAL

#1 Carter "L"
75' N. of E/2 NE NE
Section 4-16S-25W
Ness County, Kansas

API#: 15-135-23,860
660' From North Line of Section
330' From East Line of Section
ELEV: 2519' KB, 2517' DF, 2514' GL

- 2-21-95: MIRT.
- 2-22-95: (On 2-21) Spud @ 4:45 PM. Ran 7 jts. of new 8 5/8" 20# Csg. set @ 309' KB, cmt w/175sx of 60-40 poz, 2% Gel, 3% CC. Cmt circ. PD @ 9:00 PM on 2-21-95. (On 2-22) Drlg. @ 370'.
- 2-23-95: Drlg. @ 2000'.
- 2-24-95: Drlg. @ 2800'.
- 2-27-95: (On 2-25) Drlg. @ 3405'. (On 2-26) Drlg. @ 3950'. (On 2-27) Drlg. @ 4262'.
- 2-28-95: Testing @ 4396'. DST #1 4350-96', 30"-60"-30"-60", Rec: 30' M, ISIP 808#, IFP 29-29#, FFP 29-39#, FSIP 324#.
- 3-01-95: Testing @ 4479'. DST #2 4434-79', 30"-60"-30"-60", Rec: 10' SOCM, ISIP 78#, IFP 19-19#, FFP 19-29#, FSIP 59#.
- 3-02-95: Drlg. @ 4491'. DST #3 4436-87 (packer failer). DST #4 4406-4487', 30"-60"-30"-60", Rec: 20' Ospkd M, ISIP 423#, IFP 29-29-#, FFP 29-39#, FSIP 344#.
- 3-03-95: RTD 4505'. DST #5 4408-4495', 30"-60"-120"-120", Rec: 10' OCM (5% oil, 95% M), 105' M, IFP 49-49#, ISIP 1126#, FFP 49-68#, FSIP 986#. Laying down drillpipe, prep to P&A well.
- 3-06-95: (On 3-3) P&A as follows: cmt w/50sx @ 1990', 80sx @ 1250', 50sx @ 650', 50sx @ 320', 10sx @ 40', 15sx in RH (total of 255sx) of 60-40 poz, 6% gel w/1/4# FS/sx. Complete @ 1:15 PM on 3-3-95.

SAMPLE TOPS

Anhydrite	1923 (+ 596)
Base/Anhydrite	1961 (+ 558)
Heebner	3819 (-1300)
Lansing	3860 (-1341)
Stark	4095 (-1576)
Base/Kansas City	4159 (-1640)
Fort Scott	4362 (-1843)
Cherokee Shale	4387 (-1868)
Mississippian	4473 (-1954)
RTD	4505'

STATE OF KANSAS
 COMMISSIONER OF REVENUE
 RECEIVED
 MAR 13 1995
 WICHITA, KANSAS

ALLIED CEMENTING CO., INC.

1958

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend

DATE <u>3-3-95</u>	SEC <u>4</u>	TWP <u>16</u>	RANGE <u>25</u>	CALLED OUT <u>5:00 Am</u>	ON LOCATION <u>8:00 Am</u>	JOB START <u>10:45 Am</u>	JOB FINISH <u>1:15 Pm</u>
LEASE <u>Cartel</u>	WELL # <u>1</u>	LOCATION <u>Arnok 1W-4N-1W-Sinto</u>			COUNTY <u>Ness</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Pickrell Drlg Co. Inc
 TYPE OF JOB Rotary Plug
 HOLE SIZE 12 1/4 7/8 T.D. 4505
 CASING SIZE 8 5/8 DEPTH 919
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____

OWNER Same
 CEMENT
 AMOUNT ORDERED 255 sk @ 60 6961
14 # Flo Seal/sk

COMMON	<u>153</u>	@	<u>6.10</u>	<u>933.30</u>
POZMIX	<u>102</u>	@	<u>3.15</u>	<u>321.30</u>
GEL	<u>13</u>	@	<u>9.50</u>	<u>123.50</u>
CHLORIDE		@		
<u>Flo Seal 64#</u>		@	<u>1.15</u>	<u>73.60</u>
HANDLING	<u>255</u>	@	<u>1.05</u>	<u>267.75</u>
MILEAGE	<u>27</u>			<u>275.40</u>

EQUIPMENT

PUMP TRUCK CEMENTER Don H
 # 181 HELPER Tim D
 BULK TRUCK DRIVER _____
 # _____
 BULK TRUCK DRIVER Bob B
 # 199

TOTAL \$ 1994.85

REMARKS:

Dumped 50 sk at 1990
80 sk at 1250, 50 sk at
650, 50 sk at 320, 10 sk at 40
15 sk in RH
BY Allied Cementing
Thanks Don
John

SERVICE

DEPTH OF JOB	<u>1990'</u>			
PUMP TRUCK CHARGE				<u>445.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>27</u>	@	<u>2.35</u>	<u>63.45</u>
PLUG		@		

TOTAL \$ 508.45

CHARGE TO: Pickrell Drlg Co. Inc.
 STREET P.O. Box 1303
 CITY Great Bend STATE Ks ZIP 67530

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

ALLIED CEMENTING CO., INC.

1607

15-135-23860-00-00

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Neosho City

DATE <u>2-21-95</u>	SEC. <u>4</u>	TWP. <u>16</u>	RANGE <u>25</u>	CALLED OUT <u>5:00 P.M.</u>	ON LOCATION <u>8:00 P.M.</u>	JOB START <u>8:30 P.M.</u>	JOB FINISH <u>9:01 P.M.</u>
LEASE <u>Center 1"</u>	WELL # <u>1</u>	LOCATION <u>Arnold 1W-4N-1W-Sinto</u>			COUNTY <u>Neosho</u>	STATE <u>Ks.</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Pickell

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 313

CASING SIZE 8 3/8" DEPTH 313

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

OWNER Some

CEMENT

AMOUNT ORDERED 175 60/40 2 23

COMMON	<u>105</u>	@	<u>6.10</u>	<u>640.50</u>
POZMIX	<u>70</u>	@	<u>3.15</u>	<u>220.50</u>
GEL	<u>3</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5</u>	@	<u>28.00</u>	<u>140.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>175</u>	@	<u>1.05</u>	<u>183.75</u>
MILEAGE	<u>27</u>			<u>189.00</u>
TOTAL				<u>\$ 1402.25</u>

Cement Surface (sg)

Equipment

PUMP TRUCK CEMENTER Mike

224 HELPER Bob

BULK TRUCK

116 DRIVER Bill

BULK TRUCK

_____ DRIVER _____

REMARKS:

Ran 7' to 35' 20" w/c casing

Broken line with rig. Mixed 175 60/40 2 23

Disposal with 19.25 B.B. fresh water

Cement Seal line.

Thank you

Allied Cementing

Mike, Bob, Bill!

SERVICE

DEPTH OF JOB	<u>313'</u>			
PUMP TRUCK CHARGE	<u>0-300'</u>			<u>445.00</u>
EXTRA FOOTAGE	<u>13</u>	@	<u>.41</u>	<u>5.33</u>
MILEAGE	<u>27</u>	@		<u>63.45</u>
PLUG	<u>TWP</u>	@	<u>45.00</u>	<u>45.00</u>
		@		
		@		
TOTAL				<u>\$ 495.33</u>

CHARGE TO: Pickell Drilling Inc.

STREET Box 1303

CITY Great Bend STATE Ks ZIP 67530

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

3-15-95

151995

WARRANTY SIGN