

ORIGINAL 15-187-20,906-08-02

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

RELEASED
MAR 28 2001
CONFIDENTIAL

Operator: License # 5123
Name: Pickrell Drilling Co. Inc.
Address: 110 N. Market, Suite 205

City/State/Zip Wichita, Kansas 67202
Purchaser: Duke Energy - Tulsa, Oklahoma

Operator Contact Person: Bill Romig
Phone (316) 262-8427

Contractor: Name: Company Tools
License: 5123

Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOV Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBTB
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) Docket No. _____
9-25-98 10-10-98 11-25-98
Spud Date Date Reached TD Completion Date

API NO. 15- _____
County Stanton
- N/2 - NW - SW Sec. 30 Twp. 30S Rge. 40 ^E ^W

2310 Feet from S (circle one) Line of Section
660 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or S (circle one)

Lease Name Nairn "A" Well # 1

Field Name Beauchamp

Producing Formation Morrow Sand

Elevation: Ground 3346 KB 3351

Total Depth 5530' PBTB 5350 (CIBP)

Amount of Surface Pipe Set and Cemented at 1594' KB Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2587' Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan AF-1, 1-5-99 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1,300 ppm Fluid volume 300 bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: KCC

Operator Name _____
DEC 17 1998

Lease Name _____
License No. CONFIDENTIAL

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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 have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature C. W. Sebitts
Title C. W. Sebitts - President Date 12-17-98

Subscribed and sworn to before me this 17th day of December, 19 98.

Notary Public Verdella J. Lewis

NOTARY PUBLIC - State of Kansas
VERDELLA LEWIS
My Appt. Exp. 6-6-2002

6-06-2002

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
_____ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify)

Operator Name Pickrell Drilling Co. Inc. SIDE TWO Lease Name Nairn "A" Well # 1
 Sec. 30 Twp. 30S Rge. 40 East County Stanton 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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input 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	B/Anhydrite	1600(+1751)	Lwr Mrw Mkr 5222(-1871)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herington	2211(+1140)	Keyes Shale 5286(-1935)
List All E.Logs Run:		Winfield	2248(+1103)	Keyes Sd #1 5308(-1957)
Dual Induction Log		Fort Riley	2330(+1021)	Keyes Sd #2 5330(-1979)
Dual Compensated Porosity Log		Wabaunsee	2908(+ 443)	Keyes Sd #3 5364(-2013)
Borehole Compensated Sonic Log		Topeka	3072(+ 279)	Keyes Sd #3 5424(-2073)
Micro Log		Heebner	3628(- 277)	B/Key Sd #3 5427(-2076)
		Lansing	3739(- 388)	Miss
		B/Kansas City	4198(- 847)	
		Morrow Shale	4945(-1594)	
		Upr Morrow Sd	ABS	
		Mdl Mrw Sd	5067(-1716)	

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"	24#	1594'KB	Lite&Common	700sx	2%CC,2%gel,1/4#FS/s
Prod Casing	7 7/8"	4 1/2"	10.5#	5517'KB	ASC,10%salt	200sx	5%gil,1%gel
Stage Collar				2587'KB	60/40 poz	385sx	4%gel,6#gil.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				
SEE ATTACHMENTS FOR ADDITIONAL PERFS., BRIDGE PLUG AND CEMENT SQUEEZES				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
				Depth
4	5314-5318		A-500 gal.	5314-5318
	SEE ATTACHMENTS FOR ADDITIONAL PERFS. BRIDGE PLUG AND CEMENT SQUEEZES			

TUBING RECORD		Size 2 3/8"	Set At 5302'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj.			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil -0- Bbls.	Gas 538 Mcf	Water -0- Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: (Short Term Flow Test) Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval 5314-5318

ALLIED CEMENTING CO., INC.

7966

Federal Tax I.D.# [REDACTED]

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

MAR 28 2001

COPY

SERVICE POINT:

Ogkley

DATE <i>9-26-98</i>	SEC <i>30</i>	TWP. <i>30s</i>	FROM CONFIDENTIAL <i>40w</i>	CALLED OUT	ON LOCATION <i>4:00 PM</i>	JOB START <i>7:45 AM</i>	JOB FINISH <i>9:15 AM</i>
LEASE <i>Nairn</i>	WELL # <i>A-1</i>	LOCATION <i>Johnson 12S 18 1/2 N</i>	COUNTY <i>Stanton</i>	STATE <i>KS</i>			
OLD OR <u>NEW</u> (Circle one)			CONFIDENTIAL		KCC		

CONTRACTOR *Pickrell Drlg*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *1607'*

CASING SIZE *8 5/8* DEPTH *1593'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT *41.97'*

CEMENT LEFT IN CSG. *41.97'*

PERFS.

DISPLACEMENT *100 1/2 Bbls*

OWNER *SGM-C* DEC 17 1999

CEMENT

AMOUNT ORDERED *150 sk CPA 3% CC Flo Gel*

550 sk Lite 3% CC 1/4" Flo Seal

COMMON	<i>150 sks</i>	@ <i>7.55</i>	<i>1132.50</i>
POZMIX		@	
GEL	<i>3</i>	@ <i>9.50</i>	<i>28.50</i>
CHLORIDE	<i>23 sks</i>	@ <i>28.00</i>	<i>644.00</i>
<i>Lite Weight</i>	<i>550 sks</i>	@ <i>7.05</i>	<i>3877.50</i>
<i>Flo Seal</i>	<i>138 #</i>	@ <i>1.15</i>	<i>158.70</i>
		@	
		@	
		@	
HANDLING	<i>700 sks</i>	@ <i>1.20</i>	<i>840.00</i>
MILEAGE	<i>44 per mile per sk</i>		<i>980.00</i>
			TOTAL <i>7661.20</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Dean*

191 HELPER *Wayne*

BULK TRUCK

347 DRIVER *Andrew*

BULK TRUCK

280 DRIVER *Lonnie*

REMARKS:

Cement did circulate

Float did hold

Displ 100 1/2 Bbls

SERVICE

DEPTH OF JOB *1593'*

PUMP TRUCK CHARGE *1185.00*

EXTRA FOOTAGE @

MILEAGE *35 miles* @ *2.85* *99.75*

PLUG *8 5/8 Rubber* @ *90.00*

@

@

TOTAL *1374.75*

CHARGE TO: *Pickrell Drlg Co Inc*

STREET *Road 1303*

CITY *Great Bend* STATE *Kansas* ZIP *67530*

8 5/8 FLOAT EQUIPMENT

Guide shoe @ *238.00*

Insert @ *358.00*

Basket @ *200.00*

3 Centralizers @ *61.00* *183.00*

@

TOTAL *979.00*

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or

ALLIED CEMENTING CO., INC.

9098

Federal Tax I.D.# [REDACTED]

RELEASED

ORIGINAL

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

SERVICE POINT:

Oakley

MAR 28 2001

DATE <u>10-10-98</u>	SEC.	TWP.	RANGE <u>FROM CONFIDENTIAL</u>	CALLED OUT <u>8:30 PM</u>	ON LOCATION	JOB START	JOB FINISH <u>3:50 AM</u>
LEASE <u>Hairn</u>	WELL # <u>A-1</u>	LOCATION <u>Johnson 12S-1E-4N</u>			COUNTY <u>Stanton</u>	STATE <u>Kan</u>	
OLD OR <u>NEW</u> (Circle one)			CONFIDENTIAL			KCC	

CONTRACTOR <u>Pickrell Drlg Co #1</u>	OWNER <u>Same</u>	DATE <u>DEC 17 1993</u>
TYPE OF JOB <u>Production string, (Top stage)</u>	CEMENT	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5530</u>	AMOUNT ORDERED <u>400 SKs @ 69¢ per 4% gel</u>
CASING SIZE <u>4 1/2</u>	DEPTH <u>5517'</u>	<u>6# per sk Gilsonite</u>
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL <u>D-V</u>	DEPTH <u>2587'</u>	
PRES. MAX	MINIMUM	COMMON <u>240 SKs @ 7.55</u> <u>1,812.00</u>
MEAS. LINE	SHOE JOINT <u>31.89</u>	POZMIX <u>160 SKs @ 3.25</u> <u>520.00</u>
CEMENT LEFT IN CSG. <u>31.89</u>		GEL <u>14 SKs @ 9.50</u> <u>133.00</u>
PERFS. <u>3</u>		CHLORIDE @
DISPLACEMENT		<u>Gilsonite 2400# @ 41¢</u> <u>984.00</u>

EQUIPMENT

PUMP TRUCK # <u>300</u>	CEMENTER <u>Terry, Walt</u>	HELPER <u>Wayne</u>	HANDLING <u>400 SKs @ 1.20</u> <u>480.00</u>
BULK TRUCK # <u>218</u>	DRIVER <u>Andrew</u>		MILEAGE <u>4¢ per sk mile</u> <u>560.00</u>
BULK TRUCK # <u>280</u>	DRIVER <u>Konnie</u>		TOTAL <u>4,489.00</u>

REMARKS:

Opened Tool, Circ 15 min
Put 15 sks in R.H.
mixed 400 sks Lite, released Plug
Displaced 41 BBL, hauled Plug Start
Shut Tool, released Pressure, Held

Hub Co

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>675.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>35 miles @</u>	<u>n/c</u>
PLUG @	
TOTAL	<u>675.00</u>

CHARGE TO: Pickrell Drlg Co, Inc
STREET Box 1303
CITY Great Bend STATE Kansas ZIP 67530

FLOAT EQUIPMENT

@	
@	
@	
@	
@	

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or

TOTAL _____

Cement being Stage Collar

CONSERVATION DIVISION
MARCH 21 1970
MICHIGAN, KANSAS

ALLIED CEMENTING CO., INC.

9097

RECEIVED Tax I.D. #

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

MAR 28 2001

ORIGINAL

SERVICE POINT:

Dakley

DATE <u>10-10-98</u>	SEC.	TWP.	FROM CONFIDENTIAL	CALLS OUT	ON LOCATION <u>8:30 PM</u>	JOB START <u>12:45 AM</u>	JOB FINISH <u>2:30 AM</u>
LEASE <u>Najon</u>	WELL # <u>A-1</u>	LOCATION <u>Johnson 12S-1E-1/2N</u>	COUNTY <u>Stanton</u>		STATE <u>Kan</u>		
OLD OR NEW (Circle one)			CONFIDENTIAL			KCC	

CONTRACTOR <u>Pickrell Drls Co #1</u>	OWNER <u>Same</u>	DEC 17 1998
TYPE OF JOB <u>Production String (Bottom Stage)</u>	CONFIDENTIAL	
HOLE SIZE <u>7 1/8</u>	T.D. <u>5530'</u>	CEMENT
CASING SIZE <u>4 1/2</u>	DEPTH <u>5517'</u>	AMOUNT ORDERED <u>200 sks ASC,</u>
TUBING SIZE	DEPTH	<u>5# per sk Gilsomite, 500 gal WFR-2</u>
DRILL PIPE	DEPTH	
TOOL <u>D-V</u>	DEPTH <u>2587'</u>	
PRES. MAX	MINIMUM	COMMON _____ @ _____
MEAS. LINE	SHOE JOINT <u>31.89'</u>	POZMIX _____ @ _____
CEMENT LEFT IN CSG. <u>31.89</u>		GEL _____ @ _____
PERFS.		CHLORIDE _____ @ _____
DISPLACEMENT		<u>ASC 200 sks @ 9.05 1,810.00</u>

EQUIPMENT

PUMP TRUCK # <u>300</u>	CEMENTER <u>Terry, Walt</u>	HELPER <u>Wayne</u>	HANDLING <u>200 sks @ 1.20 240.00</u>
BULK TRUCK # <u>218</u>	DRIVER <u>Andrew</u>		MILEAGE <u>44 per sk/mile 280.00</u>
BULK TRUCK # <u>280</u>	DRIVER <u>Louise</u>		TOTAL <u>3,240.00</u>

REMARKS:

Cement Long Bottom Stage

STATE OF KANSAS
CONSERVATION DIVISION
P.O. BOX 217
TOPEKA, KANSAS 66602

SERVICE

<u>Mixed 500 gal WFR-2, pumped down casing</u>	DEPTH OF JOB	
<u>Mixed 200 sks ASC @ 13.5, released Plug, Displaced 47 BBL water</u>	PUMP TRUCK CHARGE	<u>1,414.00</u>
<u>Followed w 41 BBL mud, Landed Plug @ 1000psi, released Pressure, Float Held</u>	EXTRA FOOTAGE	
	MILEAGE <u>35 - miles @ 2.85 99.75</u>	
	PLUG	

TOTAL 1513.75

CHARGE TO: Pickrell Drls Co, Inc
STREET Box 1803
CITY Crest Bend STATE Kansas ZIP 67530

FLOAT EQUIPMENT

<u>4 1/2</u>		
<u>1- Guide Shoe</u>	@	<u>90.00</u>
<u>1- HCU insert</u>	@	<u>150.00</u>
<u>8- Centralizers, Turbo</u>	@ <u>25.00</u>	<u>200.00</u>
<u>1- Basket</u>	@	<u>129.00</u>
<u>1- D-V Tool</u>	@	<u>2,300.00</u>

TOTAL 2869.00

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or

MAR 28 2001

PICKRELL DRILLING COMPANY, INC.

FROM NONCONFIDENTIAL 205

WICHITA, KANSAS 67202-1996

(316) 262-8427

API#: 15-187-20,906

2310' From South Line of Section

660' From West Line of Section

ELEV: 3351' KB, 3349' DF, 3346' GL

#1 "A" Nairn
N/2 NW SW
Section 30-30S-40W
Stanton County, Kansas

CONFIDENTIAL

TIGHT HOLE - PLEASE HOLD ALL INFORMATION CONFIDENTIAL

- 09-25-98: MIRT. Spud @ 8:00 PM.
- 09-26-98: Drilling @ 680'.
- 09-27-98: Drilling @ 1607'. Ran 38 jts of new 8 5/8" 24# casing. Set @ 1594'KB. Cement w/ 550sx lite, 2% CC, 1/4# floseal/sx followed by 150sx Common, 2% gel, 3% CC. Cmt circ. PD @ 9:15 AM 9/27/98.
- 09-28-98: Drilling @ 1752.
- 09-29-98: Drlg. @ 2790'.
- 09-30-98: Drlg. @ 3390'.
- 10-01-98: Drlg. @ 3885'.
- 10-02-98: Drlg @ 4360'.
- 10-05-98: (On 10-3) Drlg. @ 4733'. (On 10-4) Drlg. @ 5025'. (On 10-5) Testing @ 5242'. DST #1 5224-5242', 30"-30"-30"-30", Rec: 175' M. ISIP 206#, IFP 162-163#, FFP 163-165#, FSIP 190#. Temp 127 degrees.
- 10-06-98: Testing @ 5346'. K-1 Sand had 90 unit gas kick, gas bubbles & SS free oil. DST #2 5308'-5346', 30"-60"-60"-120", Gauge 451MCF 10", 536MCF 20", 565MCF 30", 2nd OP gauge 595MCF 10", stabilized @ 709MCF for 60". Recovered 180' GCM, IFP 183-204#, ISIP 1375#, FFP 183-207#, FSIP 1364#.

CONFIDENTIAL
DEC 2 1998
RECEIVED
OIL & GAS DIVISION
WICHITA, KANSAS

KCC

DEC 7 1998

CONFIDENTIAL

Reference Well: #1 Johns "B"
E/2 SE SE, Sec. 25-30S-31W
Stanton County, Kansas

SAMPLE TOPS

Anhydrite	1578-1594 (+ 1773)		
Heebner	3629 (- 278)	+	9'
Lansing	3740 (- 389)	+	14'
Morrow Shale	4943 (-1592)	+	15'
Upper Morrow Sd	Not Developed		
Lower Morrow Sd (LMM)	5223 (-1872)	+	29' (8' thick)
Keyes Shale	5283 (-1932)	+	33'
K-1 Sand	5306 (-1955)	+	40'
K-3 Sand	5357 (-2006)	+	49'
Mississippian	5427 (-2076)		

ELECTRIC LOG TOPS

Base/Anhydrite	1600 (+1751)
Herington	2211 (+1140)
Winfield	2248 (+1103)
Fort Riley	2330 (+1021)
Wreford	2518 (+ 833)
Wabaunsee	2908 (+ 443)
Topeka	3072 (+ 279)
Heebner	3628 (- 277)
Lansing	3739 (- 388)
B/Kansas City	4198 (- 847)
Morrow Shale	4945 (- 1594)
Upper Morrow Sand	(Absent)
Mdl Morrow Sd (Shaley)	5067 (- 1716)
Lower Morrow Mkr	5222 (- 1871)
Keyes Shale	5286 (- 1935)
Keyes Sand #1	5308 (- 1957)
Keyes Sand #2	5330 (- 1979)
Keyes Sand #3	5364 (- 2013)
B/Keyes Sand #3	5424 (- 2073)
Mississippian	5427 (- 2076)
LTD	5529 (- 2178)

RTD 5530 (- 2179)

RELEASED

ORIGINAL

PICKRELL DRILLING COMPANY, INC.

MAR 28 2001

FROM CONFIDENTIAL KCC

#1 Nairn "A"
N/2 NW SW Sec. 30-30S-40W
Stanton County, Kansas

CONFIDENTIAL

DEC 7 1998

CONFIDENTIAL

Page Two

- 10-07-98: Testing @ 5390'. DST #3 5364-5390', 30"-60"-90"-120", GTS 5 min, gauged 106,000 CFG/10 min, 84,000 CFG/20 min, 4930 CFG/30 min, 2nd opening 8740 CFG/10 min, 7140 CFG/20 min, 5860 CFG/30 min, 5320 CFG/40 min & stable. Rec: 4275' Gassy Oil (reversing out), 25% gas, 75% oil, ISIP 1331#, IFP 181-250#, FFP 345-610#, FSIP 1372#.
- 10-08-98: Testing @ 5425'. Keyes Sd 5409-21, good show of oil in samples. DST #4 5411-5425', 30"-60"-90"-120" Rec: 300' GIP + 10' cln oil + 500' wtr w/trace oil + 1915' wtr (total fluid 2425'), ISIP 1421#, IFP 199-638#, FFP 680-1186#, FSIP 1435#.
- 10-09-98: Drlg. @ 5495'.
- 10-12-98: (On 10-10) RTD 5530'. LTD 5529'. Ran 132 jts. of New 4 1/2" 10.5# Prod. Casing set @ 5517' KB, cmt btm w/200sx of ASC cmt, 10% salt, 5% gil, 1% gel. Spear headed 500 gal. DFR-2 mud flush. Circ. was good. PD @ 2:25 AM on 10-11-98. Cement thru stage collar @ 2587' w/385sx of 60-40 poz, 4% gel, w/6# gil/sx. Circ. good. PD @ 3:50 AM on 10-11-98. 15sx in RH. WOCT.
- 10-14-98: Expect to begin drill out operations on Monday (10-19)
- 10-15-98: WOCT.
- 10-16-98: Plan to MICT today, begin drilling out operations on Monday (10/19)
- 10-19-98: On 10/16 MICT. Prepare to drill out stage collar.
- 10-20-98: On 10/19 ran bit on tbg. Drilled out stage collar. Ran tbg to btm., spotted 40 bbls. 2% KCL water. POOH. Prepare to run bond log and perforate.
- 10-21-98: On 10/20 ran bond log, PBTD 5462 (logger) to 4300 and 2700 to 500. TOC on btm stage 4510. Top stage cement 2700-600. Good bond thru Morrow Zone of interest. Perforated interval 5392-5396 w/4 SPF. Ran 2" tbg. And swabbed down at 5:30 PM. Swabbed as follows:

CONFIDENTIAL
 MAR 21 2001
 STAFF

<u>Time</u>	<u>BTF</u>	<u>Remarks</u>
6:00	7.02	Oil + LW
6:30	2.34	" " "
7:00	1.16	" " "

- 10-22-98: This AM had 400 ft. overnight fillup. On swab down rec. 4.54 bbls. 50% load water. Last pull mostly oil. On 10/21 after swab down well swabbed dry. Acidized zone w/750 gal. 7 1/2% DSFe, start feeding at 1200#, slowly increased rate 1/2 B/M to 2 1/2 B/M, max. and final pressure 1250#. ISIP 450#. Vac. in 2 min. TL 90 bbls. Swabbed down to 4000 ft. rec. 80 bbls (H.V. plus 3). Swabbed steady from btm w/ FL staying at 4000 ft. (est'd 15 BFPH w/tr. of oil and some gas after swab). Wtr = 83,000 PPM Chl. SDFN. This A.M. (10/22) FL @ 2300 ft. Had 15 ft. of oil on top. Will set retainer above perfs. and perforate interval 5374-5380.
- 10-23-98: On 10/22 POOH w/tbg. Perforated interval 5374-5380 w/4 SPF. Set Arrow Cement Retainer at 5386. GIH w/tubing. FL 2100 ft. while perforating. Start swabbing, hit fluid 1900 ft. Swab back 50 bbls., fluid staying at 3800 ft. swabbing 20 BWPB w/show of oil (only slightly more than from lower perfs). This A.M. (10/23) FL 2300 ft., 200 ft. of oil on top. POOH w/tbg. Will squeeze around noon.
- 10-26-98: On 10/23 ran squeeze packer on tbg. Set packer at 5384 (below perfs) and pressured against retainer to 1500# O.K. Reset pkr. above perfs at 5306. Pressured backside and ran injection test at 3 BPM and 1200#. Mixed and pumped 50sx LFL cement and 105 sx Class A. Got running squeeze to 2000# w/total 115sx in fmn. SD @ 2000#. Press dec. to 1175#. Re pressured to 2250#. Bled off. Re pressured to 2250#. Bled off. Reversed out 40sx (In fmn = 50sx LFL plus

New Completion Workover

ORIGINAL

Oil Company _____ Well No. 1 Field _____ Lease Nairn "A"
Company Man _____ Date Drilled Oct. 1998 County Stanton State Kansas

CONFIDENTIAL

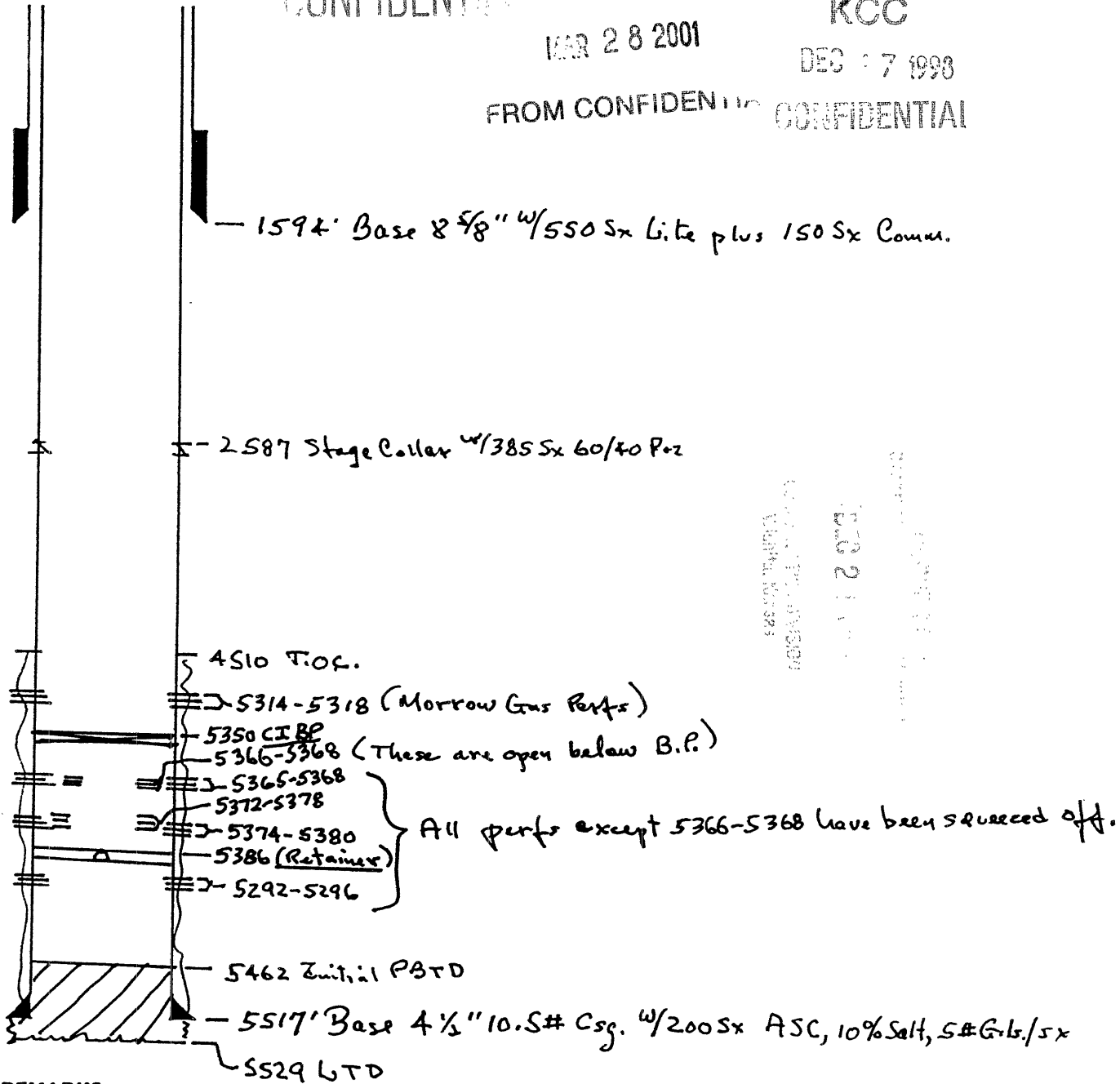
RELEASED

MAR 28 2001

KCC

DEC 7 1998

FROM CONFIDENTIAL CONFIDENTIAL



REMARKS: _____

New Completion Workover

ORIGINAL

Oil Company _____ Well No. 1 Field _____ Lease Naim A
Company Man _____ Date Drilled Oct 1998 County Stanton State Kansas

CONFIDENTIAL

RELEASED
MAR 28 2001
FROM CONFIDENTIAL

KCC
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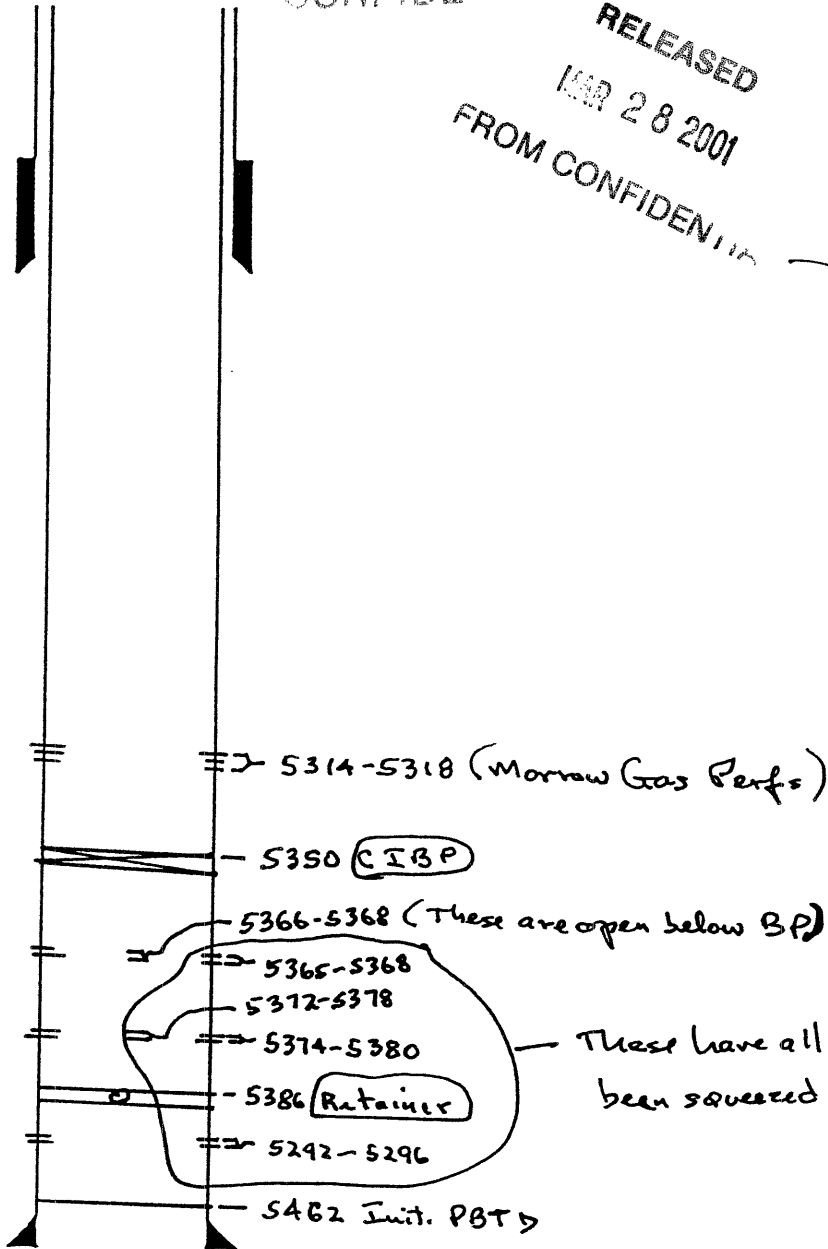
EXPANDED

VIEW

CONFIDENTIAL DIVISION
STANTON, KANSAS

53021153

CONFIDENTIAL DIVISION
STANTON, KANSAS



REMARKS: _____

RELEASED

ORIGINAL

MAR 28 2001

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Operator:
Well:
Loc.:

Pickrell Drilling Co., Inc.
Nairn A-1
C N/2 NW SW Sec 30-30S-40W
Stanton Cty., Kansas

KCC

DEC 7 1998

T.D.:
Casing:

CONFIDENTIAL 5529 (LTD)

Surface: 1594' Base 8 5/8 w/550 Sx Lite plus 150 Sx Comm
Production; 5462' Base 4 1/2" 10.5# w/200 Sx 10% SS ASC on btm. plus 385 Sx
60/40 POZ thru Stage Collar at 2587

Tubing: 5302' Base of 2 3/8" 4.7# EUE open ended

PBTD: 5462 (initial)
Perfs: 5292-5296 (squeezed)
Retainer: 5386
Perfs: 5374-5380 (squeezed)
5372-5378 (reperfed & squeezed)
5365-5368 (squeezed)
5366-5368 (Morrow oil perfs still open below CIBP)
CIBP: 5350 (Current PBTD)
Perfs: 5314-5218 (Current Morrow Gas Perfs)

DST No. 2 5308-5346 30-60-60-120 415 M/10", 563 M/20", 565 M/30", 2nd
open'g 595 M/10", stable at 709 M/20" - 60". FPs 183-204 &
183-207 SIPs 1375-1364

During Completion: On 11/23 blew well to atmos. 45 min., then measured gas as follows:

<u>Time</u>	<u>MCFD</u>	<u>CP</u>	<u>Remarks</u>
8:30	552		
9:00	564		
9:30	538	100	
10:00	538	100	
10:30	538	100	No fluid recovery

CONFIDENTIAL DIVISION
STANTON COUNTY, KANSAS

DEC 2 1998

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