

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Operator: License # 9482  
Name: National Petroleum Reserves, Inc.  
Address: 250 N. Rock Rd. Ste 130  
City/State/Zip: Wichita, KS 67206  
Purchaser: Bluestem Marketing, LLC  
Operator Contact Person: T.C. Bredehoft, II  
Phone: (316) 681-3515  
Contractor: Name: Sterling Drilling  
License: 5142  
Wellsite Geologist: Terry McLoed  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
7/08/2003 7/17/2003 8/22/2003  
Spud Date or 2007 Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 007-22755-00-00  
County: Barber  
sw ne ne Sec. 28 Twp. 33 S. R. 11  East  West  
955 feet from S / N (circle one) Line of Section  
940 feet from E / W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Forester Well #: 1  
Field Name: Rhodes  
Producing Formation: Mississippi  
Elevation: Ground: 1417 Kelly Bushing: 1426  
Total Depth: 4675' Plug Back Total Depth: 4565'  
Amount of Surface Pipe Set and Cemented at 310 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.

**Drilling Fluid Management Plan** *ALT I WITH*  
(Data must be collected from the Reserve Pit) *12-11-07*  
Chloride content 24,640 ppm Fluid volume 220 bbls  
Dewatering method used Hauled to SWD  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: See Note  
Lease Name: \_\_\_\_\_ 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 have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: T.C. Bredehoft, II  
Title: President Date: 2/5/07  
Subscribed and sworn to before me this 9th day of February,  
2007  
Notary Public: Lori A. Zehr  
Date Commission Expires: May 5, 2010

**LORI A. ZEHR**  
Notary Public - State of Kansas  
My Appt. Expires 5/5/10

**KCC Office Use ONLY**

N Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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Operator Name: National Petroleum Reserves, Inc. Lease Name: Forester Well #: 1  
 Sec. 28 Twp. 33 S. R. 11 East  West County: Barber

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 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 <input checked="" type="checkbox"/> Yes No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes No  Cores Taken Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes No <i>(Submit Copy)</i>  List All E. Logs Run:  Dual Receiver Cement Bond Log, Dual Induction Log, Compensated Neutron Density Log, Geological Report	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum Sample Name Top Datum  See Note
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CASING RECORD <span style="float:right">New <input checked="" type="checkbox"/> Used</span>							
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		8 5/8	20#	310'	See Note	See Note	See Note
Production		4 1/2	10.5#	4674'	See Note	See Note	See Note

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				

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
	See Completion Report		

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
		2 3/8	4558'	4479'			
Date of First, Resumed Production, SWD or Enhr. 8/22/2003		Producing Method					
		Flowing		<input checked="" type="checkbox"/> Pumping		Gas Lift Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	N/A	10	60				

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Sumit ACO-18.)*      METHOD OF COMPLETION      Production Interval

Open Hole    Perf.    Dually Comp.     Commingled

Other (Specify) \_\_\_\_\_

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**Attachment 1-Forester #1**

**Note 1: SWD**

Operator: Bemco  
License #: 32613  
County: Barber

Lease: Mac SWD  
NW Sec 7-32S-11W  
Docket #: CD-78217

Operator: Bemco  
License: 32613  
County: Barber

Lease: Cole SWD  
NW Sec 25-32S-12W  
Docket #: D-19886

**Note 2:**

Formation(Top), Depth, and Datum

Name	Top	Datum
Herrington	1770	-344
Florence	2005	-579
Cottonwood	2304	-878
Red Eagle	2386	-460
Woodsiding	2664	-1238
Langdon Sd	2836	-1410
Stotler	2870	-1444
Topeka	3102	-1676
Heebner Sh	3623	-2192
Lansing	3812	-2386
Base K.C.	4329	-2903
Marmaton	4364	-2938
Mississippi	4500	-3074
RTD	4682	

**Note 3:**

Surface Casing

215 sacks                      60/40 Poz                      2% gel, 3% cc, 1/4# cellflake

Production Casing

125 sacks                      AA-2

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Surface

**SALES OFFICE:**  
 100 S. Main  
 Suite #607  
 Wichita KS 67202  
 (316) 262-3699  
 (316) 262-5799 FAX

**SALES & SERVICE OFFICE:**  
 10244 NE Hiway 61  
 P.O. Box 8613  
 Pratt, KS 67124-8613  
 (316) 672-1201  
 (316) 672-5383 FAX

**ACIDIZING - FRACTURING - CEMENTING**

**Invoice**

<b>Bill to:</b>			6010223	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
National Petroleum Reserves 250 N Rock Road, Suite 130 WICHITA, KS 67206				307024	7/14/03	6399	7/7/03
<b>Service Description</b>							
Cement							
				<b>Lease</b>	<b>Well</b>		
				Forester	1		
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>		
	L. Saloga	T. Seba	New Well		Net 30		

*Drilling*  
*Cement, surface casing*

ID.	Description	UOM	Quantity	Unit Price	Price
D203	60/40 POZ (COMMON)	SK	215	\$7.84	\$1,685.60 (T)
C194	CELLFLAKE	LB	50	\$2.00	\$100.00 (T)
C310	CALCIUM CHLORIDE	LBS	555	\$0.75	\$416.25 (T)
F163	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00 (T)
E107	CEMENT SERVICE CHARGE	SK	215	\$1.50	\$322.50
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	35	\$3.25	\$113.75
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	324	\$1.30	\$421.20
R200	CASING CEMENT PUMPER, 0-300' 1ST 4 HRS ON LOC.	EA	1	\$662.00	\$662.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

**Sub Total:** \$4,056.30  
**Discount:** \$1,014.32  
**Discount Sub Total:** \$3,041.98  
**Tax Rate:** 6.30% **Taxes:** \$108.04  
 (T) Taxable Item **Total:** \$3,150.02

*19419* *10-15-03*

1000  
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PLEASE REMIT TO Acid Services, LLC, Dept No 1131, Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

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INVOICE NO.	Subject to Correction			<b>FIELD ORDER</b>	6399
Date 7-7-03	Lease FORESTER	Well # 1	Legal 28-335-11W		
Customer ID	County BARBER	State KS	Station PRATT		
CHARGE NATIONAL PETROLEUM RESERVES	Depth 22'	Formation	Shoe Joint 15' CUSTOMER KEY		
	Casing 8 5/8	Casing Depth 311	TD 315	Job Type 8 5/8 Sucker	NEW WELL
	Customer Representative LANNY SALOGA		Treater T-SERBA		

AFE Number	PO Number	Materials Received by X <i>Lanny Saloga</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-203	215 SKS	60/40 P02	✓			
G-194	50 lbs	CELLPAC	✓			
C-310	555 lbs	CALCIUM CHLORIDE	✓			
F-163	1 EA	WOODEN PLUG 8 5/8	✓			
E-107	215 SLS	CEMENT SERV. CHARGE				
E-100	35 MF	UNITS /WAY MILES 35				
E-104	324 TM	TONS MILES				
R-200	1 EA	EA. 311' PUMP CHARGE				
R-701	1 EA	CEMENT HEAD RENTAL				
		DISCOUNTED PROR =		3,041.95		
		+ TAXES				

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# TREATMENT REPORT

Customer ID		Date	
Customer N.P.R.		7-7-03	
Lease FORBSTER		Lease No.	Well # 1

Field Order # 6399	Station PRATT	Casing 2 7/8	Depth 311'	County BARBER	State KS
Type Job 8 5/8 SURFACE NEW WELL			Formation TD = 315'	Legal Description 28.335-11W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 2 1/5 SKS 60/40 P&Z	RATE	PRESS	ISIP	
Depth 296	Depth	From	To	Pre Pad 3 3/4 C.C. 1/4 # CELL P/10 LB	Max		5 Min.	
Volume 14.30	Volume	From	To	Pad 14.8 #/GAL 1.25 FT <sup>3</sup>	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative LANNY SALOGA	Station Manager D. ALTRY	Treater T. SEBA
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Service Units		114	26	32	71				
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log				
17:30					CALLED OUT				
					ON LOC W/TEL'S + SAFETY MFG				
					RAN 7 JT'S 8 5/8 20" CSG				
20:20					SPACE CSG.				
					CSG ON BOTTOM				
					HOOKUP TO CSG.				
21:18					BREAK CELL W/REG				
21:30	180		10	8 5/2	START PUMPING H <sub>2</sub> O				
					START MIX & PUMP 2 1/5 SKS @ 14.8 #/GAL				
21:46			47.86		SHUT DOWN				
					RELEASE 8 5/8 WOODEN PLUG				
21:47	100			8 5/2	START DISP				
21:52			19.3		PLUG DOWN				
21:53	200				CLOSE VALVE ON CSG.				
					GIVE CELL TABLETS				
					CELL CNT TO PST				
					20 SKS.				
					JOB COMPLETE				
					THANKS				
					TODD				

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 JOB COMPLETE  
 THANKS  
 TODD



Production

**SALES OFFICE:**  
 100 S. Main  
 Suite #807  
 Wichita KS 67202  
 (316) 262-3699  
 (316) 262-5799 FAX

**SALES & SERVICE OFFICE:**  
 10244 NE Hiway 61  
 P.O. Box 8613  
 Pratt, KS 67124-8613  
 (316) 672-1201  
 (316) 672-5383 FAX

**ACIDIZING - FRACTURING - CEMENTING**

*Cement, production casing*

**Invoice**

<b>Bill to:</b> National Petroleum Reserves 250 N Rock Road, Suite 130 WICHITA, KS 67206	6010223	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
		607087	7/29/03	6766	7/17/03
	<b>Service Description</b>				
	Cement				
			<b>Lease</b>	<b>Well</b>	
			Forester	1	
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>
	B. Schmidt	D. Scott	New Well		Net 30

ID.	Description	UOM	Quantity	Unit Price	Price
D205	AA2 (COMMON)	SK	125	\$13.19	\$1,648.75 (T)
D203	60/40 POZ (COMMON)	SK	15	\$7.84	\$117.60 (T)
C194	CELLFLAKE	LB	32	\$2.00	\$64.00 (T)
C195	FLA-322	LB	95	\$7.50	\$712.50 (T)
C221	SALT (Fine)	GAL	649	\$0.25	\$162.25 (T)
C321	GILSONITE	LB	625	\$0.60	\$375.00 (T)
C312	GAS BLOCK	LB	89	\$5.00	\$445.00 (T)
F100	TURBOLIZER, 4 1/2"	EA	8	\$67.00	\$536.00 (T)
F170	LATCH DOWN PLUG & BAFFLE, 4 1/2"	EA	1	\$230.00	\$230.00 (T)
F210	AUTO FILL FLOAT SHOE, 4 1/2"	EA	1	\$250.00	\$250.00 (T)
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00 (T)
F120	BASKET, 4 1/2"	EA	1	\$180.00	\$180.00 (T)
E107	CEMENT SERVICE CHARGE	SK	140	\$1.50	\$210.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	40	\$3.25	\$130.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	261	\$1.30	\$339.30
R210	CASING CEMENT PUMPER, 4501-5000' 1ST 4 HRS ON LOC	EA	1	\$1,827.00	\$1,827.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

**Sub Total:** \$7,852.40  
**Discount:** \$2,039.49  
**Discount Sub Total:** \$5,812.91  
**Tax Rate:** 6.30% **Taxes:** \$237.67  
*(T) Taxable Item* **Total:** \$6,050.58

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PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



INVOICE NO.	Subject to Correction			<b>FIELD ORDER</b>	6766
Date	7-17-03	Lease	Forester	Well #	1
Customer ID		County	Barber	State	KS
		Depth		Formation	TP = 4686' 10.5 ppf
		Casing	4 1/2	Casing Depth	4680
				TD	4681
				Shoe Joint	43.05
				Job Type	Long string new well
		Customer Representative	Bill Schmidt	Treater	D. Sroth

CHARGE

AFE Number	PO Number	Materials Received by	<i>X Bill Schmidt</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D205	125 sk.	<del>60-40</del> AA-2 Common				
D203	15 sk.	60-40 poz. Common				
C194	32 Lb.	Cellflake				
C195	95 Lb.	FLA-322				
C221	649 Lb.	Salt fine				
C321	625 Lb.	Gilsonite				
C312	89 Lb.	Gas Blok				
F100	8 ea	Centralizer 4 1/2" in				
F170	1 ea	L.D. Plug + Baffle "				
F210	1 ea	Auto fill shoe				
C302	500 gal.	mud Flush				
F210	1 ea	Cmt Basket 4 1/2" in				
E107	140 sk.	Cmt Serv Chg				
E100	1 ea	UNITS / way MILES 40				
E104	261 + m	TONS / way MILES 40				
R210	1 ea	EA. 4501-5000 PUMP CHARGE				
R701	1 ea	Cmt Head Rental				
Discounted Price =				5812.91		

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# TREATMENT REPORT

Customer ID		Date	
Customer <i>APR</i>		<i>2-17-03</i>	
Lease <i>Forester</i>		Lease No.	Well # <i>1</i>
Field Order # <i>6266</i>	Station <i>Pratt KS</i>	Casing <i>4 1/2</i>	Depth <i>4680</i>
		County <i>Barber</i>	State <i>KS</i>
Type Job <i>Long Spring New Well</i>		Formation	Legal Description <i>28-33s-11w</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <i>4 1/2</i>	Tubing Size	Shots/Ft		Acid <i>125 gal AA-2 1/4 C.F.</i>	RATE <i>1.8 FLA-322</i>	PRESS <i>2000</i>	ISIP
Depth <i>4643</i>	Depth <i>PBTD</i>	From	To	Pre Pad <i>10% Salt 5# G:1, 756 gal Bbk</i>	Max		5 Min.
Volume <i>138</i>	Volume	From	To	Pad <i>1.44 pt 3 15.0 ppg 32 Bbl SL</i>	Min		10 Min.
Max Press <i>2000</i>	Max Press	From	To	Frac <i>1.55 li per Plug R.H.</i>	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush <i>12 Bbl M.F.</i>	Gas Volume		Total Load

Customer Representative <i>Bill Schmidt</i>	Station Manager <i>Dave Austry</i>	Treater <i>D. Scott</i>
Service Units <i>106</i>	<i>26</i>	<i>44</i>
<i>76</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0700</i>					<i>On Loc w/ Trki Safety mtg</i>
					<i>F.S. Bottom Baffle Top S.J.</i>
					<i>Cmt on Jti # 2-3-4-6-7-8-9-10</i>
					<i>Cmt Basket Jt # 7</i>
					<i>Csg on Bottom Drop Ball Circ 1 hr</i>
<i>1115</i>	<i>300</i>		<i>5</i>	<i>5</i>	<i>H2O Spacer</i>
<i>1116</i>	<i>300</i>		<i>12</i>	<i>5</i>	<i>St mud Flush</i>
<i>1119</i>	<i>300</i>		<i>5</i>	<i>5</i>	<i>H2O Spacer</i>
<i>1121</i>	<i>350</i>		<i>32</i>	<i>4</i>	<i>mix Cmt @ 15.0 ppg 125 ski</i>
<i>1131</i>	<i>0</i>		<i>10</i>	<i>5</i>	<i>Close In Wash pump a line</i>
<i>1134</i>	<i>100</i>			<i>7</i>	<i>Release Plug &amp; St Disp w/ H2O</i>
<i>1143</i>	<i>300</i>		<i>60</i>	<i>6</i>	<i>Lifting Cmt 60 Bbl Disp out</i>
<i>1146</i>	<i>1250</i>		<i>73.8</i>	<i>0</i>	<i>Plug Down psi test Csg</i>
<i>1148</i>	<i>0</i>				<i>Release psi float Held</i>
					<i>Good Circ thru Job</i>
					<i>Plug R.H. w/ 15 ski per</i>
					<i>w/ m.H.</i>

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*Job Complete*  
*Thank you Scotty*



# Schmidt Engineering, Inc.

1321 West 93rd North • Valley Center, Kansas • 67147 • (316) 755-3523

## NATIONAL PETROLEUM RESERVES, INC.

Forester #1  
Sec. 28, T35S-R11W  
Barber County, Kansas

### Completion Report

- 7/28/03:** Clarke Corp. backfilled cellar and cleaned location. Clarke helped ELI into location. RU ELI. Ran cement bond log. RD ELI
- 7/29/03:** RU Clarke Corp. Spot swab tank. Unload 154 jts tbg from Sunrise Supply (new 2 3/8 J-55). RU ELI Wire Line. Perf Mississippi @ 4512-32' (2 spf) (20') w/ expendable casing gun. Tally in hole w/ 4 1/2 RDG PKR & tbg to 4479'. Swab down tbg (17.3 bbl) wait 30 minutes 100' fluid – KCL water, show of oil, gas in pipe. Wait 1 hour, 100' fluid; show of heavy oil, KCL water, gas in pipe. SWION
- 7/30/03:** (Miss) tbg 20#, 760' F.I.W. 15' oil (heavy) swab dry. Rig up Acid Services. Load tbg w/ acid, 2000 gallons 10% NE/FE. Break @ 700#/.3 BPM. Average rate 3.5 BPM @ 850#. Good ball action. Final ball action 1100# @ 3.5 BPM. ISIP 300#, 0#/ 15 minutes. Rig down Acid Services. Total load 69 bbl. PKR would not release to knock balls off perfs. Pull out w/ PKR. Rig up casing swab – swab as follows:

<u>TIME</u>	<u>BPH</u>	<u>TOTAL</u>	<u>NOTES</u>
1 <sup>st</sup> Hour	51		Load water-show gas, trace oil
2 <sup>nd</sup> Hour	15.1	66.1	Gas in pipe
3 <sup>rd</sup> Hour	.87	67.97	Gas blow - oil

SWION.

- 7/31/03:** ONSI – 240# csg, 1,000' FIW, 20% oil. Swab 12 bbl. RU Acid Services frac equipment. Pump (ProFrac 25) w/ 2685 bbl w/ 120 sx 100 mesh, 500 sx 20/40 Ottawa; 490 sx 12/20 Ottawa and 90 sx 12/20 AcFrac CR-4000. Flush w/ 68 bbl linear gel. Pump 22 BPM @ 1100# average. ISIP – 890#, 15 mins - 790#. Shut well in. RD Acid Services. Empty frac tanks and release.
- 8/1/03:** Csg 0#. Fluid 100' from surface. Swab casing.

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8/1/03 (Cont):

<u>TIME</u>	<u>BPH</u>	<u>TOTAL</u>	<u>F.L.</u>	<u>NOTES</u>
1 <sup>st</sup> Hr	55.7		500'	
2 <sup>nd</sup> r	42.0	97.7		Fine Sand
½ Hr	21.4		1000'	Fine Sand
Run in w/ tbg to 4500' w/ seat nipple – swab tbg.				
4 <sup>th</sup> Hr	22.0	141.1		Load water – trace oil
5 <sup>th</sup> Hr	32.5	173.6	3200' FIW	Tsp grit in bucket-trace oil – show gas
6 <sup>th</sup> Hr	40.6	214.2	3000' FIW	Trace gritty sand

Tag T.D. @ 4588'. Pull out w/ tbg. SDFN.

8/4/03: SICP – 0 psi. RIH w/ sand pump. Tagged fluid @ 1100' (3400 FOF). Sand pumped, recovering only 1 – 2 gals sand and 10 – 12 perf balls. RD sand pump. RIH w/ tbg. PBDT keeps changing as if the casing wiper plug is loose, possibly allowing water from below to infiltrate. POH w/ tbg. RU ELI. Set 4½" CIBP @ 4565'. RD ELI. SDFN.

8/5/03: SOCP – 0 psi. RIH w/ tbg as follows: (had problems w/ tbg tongs – down 1 hour).

1 -	2 ¾" Slotted Mud Anchor	15.00
1 -	2 ¾" Seating Nipple	1.10
149 -	Jts 2 ¾" Tbg	4528.11
1 -	2 ¾" x 6' Tbg Sub	6.00
	Rotary Space	8.00
	Tbg Set @	4558.21 -
	S.N. @	4543.21

Rigged to swab. Tagged fluid @ 1100'. Swabbed 32 bbls in one hour. Final fluid level @ 1500'. Rigged to run rods and pump. Run rods and pump as follows:

- 1 - 1" x 6' Gas Anchor
- 1 - 2" x 1 ½ x 12 Chrome bbl, Cup/ Ring Pump
- 1 - ¾" x 2' Rod Sub ( New)
- 181 - ¾" Rods (New)
- 1 - 1 ¼" x 16' Polished Rod w/ 8' Hard Faced Liner

Spaced out pump. Longstroked OK. Hung off rods. RD Clarke.

Charles Schmidt  
Petroleum Engineer

Allan Walker  
Field Supervisor

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MAR 09 2007  
KCC WICHITA