

STATE OF KANSAS  
STATE CORPORATION COMMISSION  
200 Colorado Derby Building  
Wichita, Kansas 67202

WELL PLUGGING RECORD #4  
K.A.R.-82-3-117

API NUMBER 15-051-24,623-00-00

LEASE NAME Dreiling

WELL NUMBER 1

3630 Ft. from S Section Line

2970 Ft. from E Section Line

SEC. 21 TWP. 13S RGE. 18 (NE/9/1W)

COUNTY Ellis

Date Well Completed 11/22/89

Plugging Commenced 11/22/89

Plugging Completed 11/22/89

TYPE OR PRINT  
NOTICE: Fill out completely  
and return to Cons. Div.  
office within 30 days.

LEASE OPERATOR Liberty Operations & Completions, Inc.

ADDRESS 308 West Mill, Plainville, KS 67663

PHONE# (913) -434-4686 OPERATORS LICENSE NO. 8925

Character of Well D&A

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on 11-22-89 (date)

by Herb Dines (KCC District Agent's Name).

Is ACO-1 filed? No If not, is well log attached? Yes

Producing Formation \_\_\_\_\_ Depth to Top \_\_\_\_\_ Bottom T.D. 3700'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
				8-5/8"	218'	-0-

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.

Mud laden fluid 3700'-3690' 20 sks cement @ 3690'

10 sks cement @ 40' 15 sks cement in rathole

40 sks cement @ 270'

100 sks cement @ 675'

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Emphasis Oil Operations License No. 750

Address P. O. Box 506, Russell, Kansas 67665-0506

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Liberty Operations & completions, Inc. RECEIVED

STATE OF KANSAS COUNTY OF RUSSELL, ss.

Kyle B. Branum

(Employee of Operator) or (Operator) of

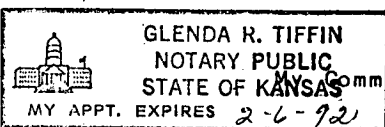
above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well, and that the same are true and correct, so help me God.

(Signature) [Signature]

Kyle B. Branum

(Address) P. O. Box 506, Russell, KS 67665-0506

SUBSCRIBED AND SWORN TO before me this 28th day of November, 19 89



Glenda R. Tiffin  
Glenda R. Tiffin, Notary Public

Commission Expires: February 6, 1992

EMPHASIS OIL OPERATIONS

P. O. BOX 506  
RUSSELL, KS 67665

15-051-24623-00-00

DRILLERS LOG

OPERATOR: Liberty Operations & Completions, Inc.  
308 West Mill  
Plainville, Kansas 67663

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: Dreiling WELL #1

LOCATION: 100' SW of NE SE NW  
Section 21-13S-18W  
Ellis County, Kansas

LOGGERS TOTAL DEPTH: 3700'

ROTARY TOTAL DEPTH: 3700'

COMMENCED: 11/16/89

CASING: 8-5/8" @ 218' w/135 sks cement

ELEVATION: 2079' K.B.

COMPLETED: 11/22/89

STATUS: Dry Hole

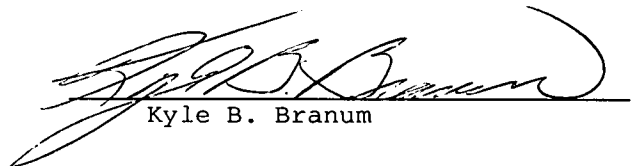
DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Post Rock	80'	Shale & Lime	3105'
Shale	610'	Topeka	3106'
Dakota Sand	695'	Heebner	3364'
Red Bed	750'	Toronto	3387'
Cedar Hills	800'	Lansing-Kansas City	3412'
Red Bed	1275'	Arbuckle	3695'
Anhydrite	1380'	R.T.D.	3700'
Red Bed	1710'		

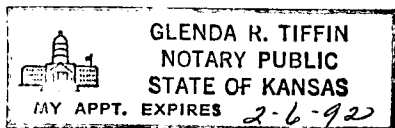
STATE OF KANSAS )  
                          ) ss  
COUNTY OF RUSSELL)

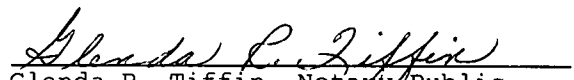
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

  
Kyle B. Branum

Subscribed and sworn to before me on November 28, 1989.

My commission expires: February 6, 1992.



  
Glenda R. Tiffin, Notary Public

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

15-051-24623-00-00

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. N<sup>o</sup> 8580

Home Office P. O. Box 31      Russell, Kansas 67665

Date	11-22-84	Sec.	21	Twp.	13	Range	18	Called Out	5 PM	Job Start	11:30 PM
Lease	Dreiling	Well No.	1	Location	Hays N 1/2 W 1/2 S			County	Ellis	State	Kan

Contractor		Emph #8	
Type Job		Plug	
Hole Size	7 7/8	T.D.	
Csg.		Depth	
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	
Perf.			

Owner	
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	Liberty Oper & Comp. Inc
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	work N. fix

### EQUIPMENT

No.	Cementer	
Pumptrk	Helper	McAdoo
Pumptrk	Cementer	Dave F
	Helper	
	Driver	Joel C.
Bulktrk	Driver	

<b>CEMENT</b>	
Amount Ordered	205 60 6 7/8 6 1/2 1 1/4 # Fla Sec
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

### DEPTH of Job

Reference:	Pump Truck	
	Plug	
	1.00 per mile	
	Sub Total	
	Tax	
	Total	

Handling	
Mileage	
Sub Total	
Total	

Remarks: Mixed 20 ex at 3700  
 20 ex at 1100  
 100 ex at 675  
 40 ex at 200  
 10 ex at 40  
 15 ex at 100

Floating Equipment	

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

15-051-24628-00-00

# ALLIED CEMENTING CO., INC. N<sup>o</sup> 9502

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

Date <i>11-16-89</i>	Sec. <i>21</i>	Twp. <i>13</i>	Range <i>18</i>	Called Out	On Location	Job Start	Finish <i>12:10 A.M.</i>
Lease <i>Drafting</i>	Well No. <i>1</i>	Location <i>Ways T. 20 N. 20 W. 18</i>		Country <i>Ellis</i>	State <i>Ks</i>		
Contractor <i>Employs Dalg</i>				Owner			
Type Job <i>Surface</i>				To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size <i>12 1/4</i>	T.D. <i>220</i>						
Csg. <i>RF</i>	Depth <i>218</i>		Charge To <i>Liberty Operations</i>				
Tbg. Size	Depth		Street				
Drill Pipe	Depth		City				
Tool	Depth		State				
Cement Left in Csg. <i>10-15</i>	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.				
Press Max.	Minimum		Purchase Order No.				
Meas Line	Displace		<i>X Richard Williams</i>				
Perf.	<b>CEMENT</b>						

**EQUIPMENT**

Pumptrk <i>153</i>	No.	Cementer	<i>Dave</i>
		Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk <i>153</i>		Driver	<i>Steve</i>
		Driver	

**DEPTH of Job**

Reference:	<i>Drum for chg</i>	
	<i>1/2" pipe</i>	
	<i>1/2" pipe</i>	
		Sub Total
		Tax
		Total

Remarks: *2000' 1/2"*

Amount Ordered <i>1356.30</i>	<i>3000 2/10/90</i>
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
	Sales Tax
Handling	
Mileage	
	Sub Total
	Total
Floating Equipment	



COMPANY Liberty  
 SEC. TWP. RGE. LOC.

FARM Drifting WELL NO. 1  
 COUNTY Ellis STATE KS

CONTRACTOR \_\_\_\_\_ SIZE HOLE 7 7/8 DRILL PIPE 4 1/2  
 REMARKS: 15.051.24623.00.00 SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3100	41	1	
01	42	1	
	43 1/2	1/2	
	43	1	
	44	1	
05	45	1	
	46	1	
	48	2	
	50	2	
	52	2	
10	54	2	
	56	2	
	58	2	
	6:00	2	
	02	2	
15	05	3	
	07	2	
	09	2	
	12	3	
	13	1	
20	14	1	Conn
	24	1	
	27	2	
	30	3	
	33	3	
25	36	3	
	38	2	
	40	2	
	42	2	
	46	4	
30	49	3	
	52	3	
	54	2	
	57	3	
	59	2	
35	7:02	3	
	05	3	
	08	3	
	11	3	
	13	2	
40	16	3	
	19	3	
	22	3	
	25	3	
	28	3	
45	31	3	
	34	3	
	38	4	
	42	4	
	45	3	
50	48	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3150	48	2	
51	50	2	
	51	1	Conn
	58	1	
	59	1	
	8:00	1	
55	02	2	
	04	2	
	5	1	
	6	1	
	8	2	
60	10	2	
	12	2	
	16	4	
	19	3	
	22	3	
65	25	3	
	28	3	
	32	4	
	35	3	
	39	4	
70	43	4	
	47	4	
	50	3	
	52	2	
	55	3	
75	58	3	
	9:01	3	
	04	3	
	07	3	
	09	2	
80	13	4	
	16	3	
	19	3	
	22	3	Conn
	30	4	
	34	4	
85	38	4	
	40	2	
	43	3	
	46	3	
	49	3	
90	51	2	
	53	2	
	56	3	
	58	2	
	10:00	2	
95	03	3	
	06	3	
	09	3	
	12	3	
	15	3	
3200	17	2	

ROTARY DRILLING TIME SHEET # 603  
 KANSAS BLUE PRINT CO., WICHITA, KAN.  
 Recorder No. 09-281

COMPANY Liberty Operations & Completion FARM Drilling WELL NO. 1

SEC. TWP. RGE. LOC. COUNTY Ellis STATE Kansas

CONTRACTOR Emphasis Oil Prod. SIZE HOLE 7 7/8 DRILL PIPE 1 1/2" 25

REMARKS: 15-051-24623-00-00 SIZE PUMP LINERS 5 3/4 LENGTH STROKE 14"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3200</del>	<del>17</del>	<del>21</del>	
01	25	4	
	29	4	
	33	4	
05	36	3	
	39	3	
	43	4	
	47	4	
	51	4	
10	55	4	
	58	3	
	11:00	2	
	03	3	
	06	3	Conn
15	11:22	3	
	24	2	
	26	2	
	28	2	
	31	3	
20	33	2	
	35	2	
	38	3	
	40	2	
	43	3	
25	45	2	
	48	3	
	50	2	
	52	2	
	55	3	
30	58	3	
	12:01	3	
	04	3	
	07	3	
	11	4	
35	15	4	
	20	5	
	24	4	
	28	4	
	31	3	
40	34	3	
	36	2	
	39	3	
	41	2	
	44	3	
45	47	3	CONN
	12:55	2	
	57	2	
	1:00	3	
	03	3	
50	05	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3250</del>	<del>11:05</del>	<del>07</del>	
51	11	2	
	14	3	
	16	2	
55	18	2	
	21	3	
	27	6	Brakes
	32	5	
	37	5	
60	42	5	Vis 42 WT
	46	4	
	49	3	
	52	3	
	56	4	
65	7:01	5	
	04	3	
	09	5	
	13	4	
	18	5	
70	23	5	
	26	3	
	30	4	
	34	4	
	37	3	
75	40	3	
	42	2	
	44	2	CONN
	25:54	3	
	56	2	
80	59	3	
	3:03	4	
	06	3	
	09	3	
	12	3	
85	16	4	
	20	4	
	23	3	
	25	2	
	27	2	
90	28	1	
	31	3	
	35	4	
	38	3	
	41	3	
95	44	3	
	47	3	
	50	3	
	52	2	
	56	4	
3300	59	3	

ROTARY DRILLING TIME SHEET # 503  
 KANSAS BLUE PRINT CO., WICHITA, KAN.  
 Recorder No. 09-281

COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 SEC. TWP. RGE. LOC. COUNTY STATE  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: 15051-24623-00-00 SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3300</del>	<del>3:59</del>		
01	4:03	4	
	05	2	
	09	4	
	12	3	
05	14	2	
	18	4	
	21	3	
	25	4	
	27	2	
10	4:34	2	
	39	3	
	42	3	
	45	3	
	48	3	
15	50	2	
	53	3	
	56	3	
	5:00	4	
	02	3	
20	05	2	
	08	3	
	11	3	
	13	2	
	16	3	
25	20	4	
	23	3	
	26	3	
	28	2	
	30	2	
30	33	3	
	36	3	
	39	3	
	41	2	
	43	2	
35	45	2	
	48	3	
	51	3	
	54	3	
	57	3	
40	6:01	4	CONN
	6:12	4	
	18	3	
	21	3	
	25	4	
45	29	4	
	32	3	
	35	3	
	38	3	
	41	3	
3350	44	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3350</del>	<del>4:49</del>	5	
	52	3	
	55	3	
	58	3	
55	7:01	12	
	5	4	
	9	4	
	13	4	
	16	3	Vis 42 wt 8"
60	20	4	
	24	4	
	28	4	
	32	4	
	36	4	
65	39	3	
	41	2	
	44	3	
	47	3	
	51	4	
70	55	4	
	58	3	
	10:15	3	Conn
	17	2	
	18	1	
75	20	2	
	22	2	
	23	1	
	25	2	
	27	2	
80	30	3	
	31	1	
	33	2	
	35	2	
	38	3	
85	40	2	
	41	1	
	43	2	
	45	2	
	47	2	
90	50	3	
	52	2	
	54	2	
	56	2	
	59	3	
95	8:03	4	
	5	2	
	7	2	
	10	3	
	14	4	
3400	16	2	

ROTARY DRILLING TIME SHEET # 503  
 KANSAS BLUE PRINT CO., WICHITA, KAN.  
 Recorder No. 09-281



COMPANY *Liberty Operations*

FARM *Oreiling*

WELL NO. *1*

SEC. TWP. RGE. LOC.

COUNTY *Ellis*

STATE *KS*

CONTRACTOR

SIZE HOLE

DRILL PIPE

REMARKS:

*15-051-24623-00-00*

SIZE PUMP LINERS

LENGTH STROKE

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3000</del>	<del>55</del>	<del>2</del>	
<i>01</i>	<i>55</i>	<i>2</i>	
	<del>19</del>	<del>21</del>	
	<i>23</i>	<i>2</i>	
	<i>24</i>	<i>1</i>	
<i>5</i>	<i>27</i>	<i>3</i>	
	<i>30</i>	<i>3</i>	
	<i>32</i>	<i>2</i>	
	<i>35</i>	<i>3</i>	
	<i>37</i>	<i>2</i>	
<i>3010</i>	<i>39</i>	<i>2</i>	
	<i>41</i>	<i>2</i>	
	<i>43</i>	<i>2</i>	
	<i>45</i>	<i>2</i>	
	<i>47</i>	<i>2</i>	
<i>15</i>	<i>49</i>	<i>2</i>	
	<i>51</i>	<i>2</i>	
	<i>53</i>	<i>2</i>	
	<i>55</i>	<i>2</i>	
	<i>57</i>	<i>2</i>	<i>Jet #1</i>
<i>3020</i>	<del>3:04</del> <i>1:06</i>	<i>2</i>	
	<i>07</i>	<i>1</i>	
	<i>08</i>	<i>1</i>	
	<i>10</i>	<i>2</i>	
	<i>11</i>	<i>1</i>	
<i>25</i>	<i>13</i>	<i>2</i>	
	<i>15</i>	<i>2</i>	
	<i>17</i>	<i>2</i>	
	<i>18</i>	<i>1</i>	<i>Conn</i>
	<del>34</del> <i>36</i>	<i>2</i>	
<i>3030</i>	<i>38</i>	<i>2</i>	
	<i>41</i>	<i>3</i>	
	<i>43</i>	<i>2</i>	
	<i>45</i>	<i>2</i>	
	<i>47</i>	<i>2</i>	
<i>35</i>	<i>49</i>	<i>2</i>	
	<i>50</i>	<i>1</i>	
	<i>53</i>	<i>3</i>	
	<i>55</i>	<i>2</i>	
	<i>57</i>	<i>2</i>	
<i>3040</i>	<i>59</i>	<i>2</i>	
	<i>4:01</i>	<i>2</i>	
	<i>03</i>	<i>2</i>	
	<i>04</i>	<i>1</i>	
	<i>05</i>	<i>1</i>	
<i>45</i>	<i>06</i>	<i>1</i>	
	<i>07</i>	<i>1</i>	
	<i>8</i>	<i>1</i>	
	<i>9</i>	<i>1</i>	
	<i>10</i>	<i>1</i>	
<i>3050</i>	<i>11</i>	<i>1</i>	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3050</del>	<del>4:11</del>	<del>2</del>	
	<i>13</i>	<i>2</i>	
	<i>14</i>	<i>1</i>	
	<i>15</i>	<i>1</i>	
	<i>18</i>	<i>3</i>	
<i>55</i>	<i>21</i>	<i>3</i>	
	<i>23</i>	<i>2</i>	
	<i>26</i>	<i>3</i>	
	<i>28</i>	<i>2</i>	<i>CONN</i>
	<del>39</del> <i>41</i>	<i>2</i>	
<i>3060</i>	<i>43</i>	<i>2</i>	
	<i>44</i>	<i>1</i>	
	<i>45</i>	<i>1</i>	
	<i>47</i>	<i>2</i>	
	<i>48</i>	<i>1</i>	
<i>65</i>	<i>50</i>	<i>2</i>	
	<i>51</i>	<i>1</i>	
	<i>52</i>	<i>1</i>	
	<i>54</i>	<i>2</i>	
	<i>55</i>	<i>1</i>	
<i>3070</i>	<i>56</i>	<i>1</i>	
	<i>58</i>	<i>2</i>	
	<i>59</i>	<i>1</i>	
	<i>5:01</i>	<i>2</i>	
	<i>03</i>	<i>2</i>	
<i>75</i>	<i>04</i>	<i>1</i>	
	<i>05</i>	<i>1</i>	
	<i>06</i>	<i>1</i>	
	<i>07</i>	<i>1</i>	
	<i>09</i>	<i>2</i>	
<i>3080</i>	<i>10</i>	<i>1</i>	
	<i>12</i>	<i>2</i>	
	<i>14</i>	<i>2</i>	
	<i>15</i>	<i>1</i>	
	<i>16</i>	<i>1</i>	
<i>85</i>	<i>18</i>	<i>2</i>	
	<i>19</i>	<i>1</i>	
	<i>20</i>	<i>1</i>	
	<i>21</i>	<i>1</i>	
	<i>22</i>	<i>2</i>	<i>Conn</i>
	<del>30</del> <i>31</i>	<i>1</i>	
	<i>32</i>	<i>1</i>	
	<i>33</i>	<i>1</i>	
	<i>34</i>	<i>1</i>	
	<i>35</i>	<i>1</i>	
<i>95</i>	<i>36</i>	<i>1</i>	
	<i>37</i>	<i>1</i>	
	<i>38</i>	<i>1</i>	
	<i>39</i>	<i>1</i>	
	<i>40</i>	<i>1</i>	
<i>3100</i>	<i>41</i>	<i>1</i>	

ROTARY DRILLING TIME SHEET # 503  
 KANSAS BLUE PRINT CO., WICHITA, KAN.  
 Recorder No. 09-281



COMPANY *Liberty Operations*

FARM *Dreiling*

WELL NO. *1*

SEC. 21 TWP. 13. RGE. 18W LOC. 75'SW of

COUNTY *Ellis*

STATE *Ks*

CONTRACTOR

*NE SE NW*

SIZE HOLE

DRILL PIPE

REMARKS:

SIZE PUMP LINERS

LENGTH STROKE

*API 15-051-24,623-00-00*

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<i>1300</i>	<i>37 1/2</i>	<i>1/2</i>	
<i>01</i>	<i>38</i>	<i>1/2</i>	
	<i>38 1/2</i>	<i>1/2</i>	
	<i>39</i>	<i>1/2</i>	
	<i>40</i>	<i>1</i>	<i>Conn</i>
<i>05</i>	<i>45-46</i>	<i>1</i>	
	<i>46 1/2</i>	<i>1/2</i>	
	<i>47</i>	<i>1/2</i>	
	<i>47 1/2</i>	<i>1/2</i>	
	<i>48</i>	<i>1/2</i>	
<i>10</i>	<i>48 1/2</i>	<i>1/2</i>	
	<i>49</i>	<i>1/2</i>	
	<i>49 1/2</i>	<i>1/2</i>	
	<i>50</i>	<i>1/2</i>	
	<i>51</i>	<i>1</i>	
<i>15</i>	<i>51 1/2</i>	<i>1/2</i>	
	<i>52</i>	<i>1/2</i>	
	<i>52 1/2</i>	<i>1/2</i>	
	<i>53</i>	<i>1/2</i>	
	<i>53 1/2</i>	<i>1/2</i>	
<i>20</i>	<i>54</i>	<i>1/2</i>	
	<i>54 1/2</i>	<i>1/2</i>	
	<i>55</i>	<i>1/2</i>	
	<i>55 1/2</i>	<i>1/2</i>	
	<i>56</i>	<i>1/2</i>	
<i>25</i>	<i>56 1/2</i>	<i>1/2</i>	
	<i>57</i>	<i>1/2</i>	
	<i>57 1/2</i>	<i>1/2</i>	
	<i>58</i>	<i>1/2</i>	
	<i>58 1/2</i>	<i>1/2</i>	
<i>30</i>	<i>59</i>	<i>1/2</i>	
	<i>59 1/2</i>	<i>1/2</i>	
	<i>9:00</i>	<i>1/2</i>	
	<i>01</i>	<i>1</i>	
	<i>02</i>	<i>1</i>	
<i>35</i>	<i>9:03</i>	<i>1</i>	<i>Conn</i>
	<i>01 1/2</i>	<i>1/2</i>	
	<i>08</i>	<i>1/2</i>	
	<i>08 1/2</i>	<i>1/2</i>	
	<i>09</i>	<i>1/2</i>	
<i>40</i>	<i>09 1/2</i>	<i>1/2</i>	
	<i>10</i>	<i>1/2</i>	
	<i>10 1/2</i>	<i>1/2</i>	
	<i>11</i>	<i>1/2</i>	
	<i>11 1/2</i>	<i>1/2</i>	
<i>45</i>	<i>12</i>	<i>1/2</i>	
	<i>12 1/2</i>	<i>1/2</i>	
	<i>13</i>	<i>1/2</i>	
	<i>13 1/2</i>	<i>1/2</i>	
	<i>14</i>	<i>1/2</i>	
<i>50</i>	<i>11 1/2</i>	<i>1/2</i>	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<i>1350</i>	<i>14 1/2</i>	<i>1/2</i>	
<i>51</i>	<i>15</i>	<i>1/2</i>	
	<i>16</i>	<i>1</i>	
	<i>17</i>	<i>1</i>	
	<i>18</i>	<i>1</i>	
<i>55</i>	<i>19</i>	<i>1</i>	
	<i>20</i>	<i>1</i>	
	<i>20 1/2</i>	<i>1/2</i>	
	<i>21</i>	<i>1/2</i>	
	<i>21 1/2</i>	<i>1/2</i>	
<i>60</i>	<i>22</i>	<i>1/2</i>	
	<i>22 1/2</i>	<i>1/2</i>	
	<i>23</i>	<i>1/2</i>	
	<i>24</i>	<i>1</i>	
	<i>25</i>	<i>1</i>	
<i>65</i>	<i>26</i>	<i>1</i>	
	<i>27</i>	<i>1</i>	<i>Conn</i>
	<i>34</i>	<i>1</i>	
	<i>35</i>	<i>1</i>	
	<i>36</i>	<i>1</i>	
	<i>37</i>	<i>1</i>	
<i>70</i>	<i>38</i>	<i>1</i>	
	<i>39</i>	<i>1</i>	
	<i>40</i>	<i>1</i>	
	<i>40 1/2</i>	<i>1/2</i>	
	<i>41</i>	<i>1/2</i>	
<i>75</i>	<i>42</i>	<i>1</i>	
	<i>43</i>	<i>1</i>	
	<i>44</i>	<i>1</i>	
	<i>45</i>	<i>1</i>	
	<i>46</i>	<i>1</i>	
<i>80</i>	<i>47</i>	<i>1</i>	
	<i>48</i>	<i>1</i>	
	<i>50</i>	<i>2</i>	
	<i>51</i>	<i>1</i>	
	<i>52</i>	<i>1</i>	
<i>85</i>	<i>53</i>	<i>1</i>	
	<i>55</i>	<i>2</i>	
	<i>50</i>	<i>1</i>	
	<i>55</i>	<i>2</i>	
	<i>12:00</i>	<i>2</i>	
<i>90</i>	<i>1</i>	<i>1</i>	
	<i>3</i>	<i>2</i>	
	<i>5</i>	<i>2</i>	
	<i>7</i>	<i>2</i>	
	<i>9</i>	<i>2</i>	
<i>95</i>	<i>11</i>	<i>2</i>	
	<i>13</i>	<i>2</i>	<i>Conn</i>
	<i>20</i>	<i>2</i>	
	<i>22</i>	<i>2</i>	
	<i>25</i>	<i>3</i>	
	<i>27</i>	<i>2</i>	
<i>1-100</i>	<i>30</i>	<i>3</i>	

ROTARY DRILLING TIME SHEET # 503  
 KANSAS BLUE PRINT CO., WICHITA, KAN.  
 Recorder No. 09-281

COMPANY *Liberty Operations & Camp* FARM *Oneiling* WELL NO. *1*  
 SEC. TWP. RGE. LOC. COUNTY *Ellis* STATE *Kansas*

CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_

REMARKS: *15.051.24623.00.00* SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3400</del>	<del>16</del>	<del>20</del>	
	23	3	Conn.
	<del>30</del>	<del>33</del>	
	35	2	
5	38	3	
	40	2	
	43	3	
	45	2	
	47	2	
3410	50	3	
	52	2	
	56	4	
	59	3	
	10:03	4	
15	7	4	
	11	4	
	15	4	
	19	4	
	22	3	
3420	26	4	
	30	4	
	35	5	
	40	5	
	47	7	
25	54	7	
	56	2	
	11:00	4	
	1:03	3	
	07	4	
3430	11	4	
	14	3	
	17	3	
	20	3	Conn
	<del>26</del>	<del>29</del>	
35	32	3	
	35	3	
	37	2	
	41	3	
	42	2	
3440	45	3	
	47	2	
	48	1	
	51	3	
	55	4	
45	59	4	
	12:02	3	
	04	2	
	07	3	
	11	4	
3450	15	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3450</del>	<del>18</del>	<del>3</del>	
	21	3	
	25	4	
	28	3	
55	32	4	
	36	4	
	39	3	
	42	3	
	46	4	
3460	50	4	
	54	4	
	58	1	
	1:02	4	
	5	3	Conn
<del>65</del>	<del>26</del>	<del>4</del>	
	29	3	
	32	3	
	35	3	
	39	4	
3470	43	4	CF 30"-60"
	<del>2:04</del>	<del>48</del>	
	51	3	
	53	2	
	57	4	
75	3:01	4	
	05	4	
	08	3	
	11	3	
	13	2	
3480	17	4	
	21	4	
	24	3	
	28	4	
	33	5	
85	36	3	
	40	4	
	44	4	
	48	4	
	50	2	
3490	52	2	
	55	3	
	59	4	
	4:03	4	
	1:07	4	
95	1:11	4	Conn.
	<del>28</del>	<del>31</del>	
	34	3	
	36	2	
	39	3	
3500	42	3	

ROTARY DRILLING TIME SHEET # 503  
 KANSAS BLUE PRINT CO., WICHITA, KAN.  
 Recorder No. 09-281

COMPANY Liberty Operations + Comp. FARM Drilling WELL NO. 1  
 SEC. TWP. RGE. LOC. COUNTY Ellis STATE Kansas  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: 5' wet + Dry SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

15-051-24623-00-00

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3500	4:42		
01	45	3	
	48	3	
	52	4	
	55	3	
05	58	3	
	5:01	3	
	104	3	
	107	3	
	109	2	
3510	12	3	
	15	3	
	19	4	
	23	4	
	26	3	
15	30	4	
	32	2	
	36	4	
	37	3	
	42	3	
3520	46	4	
	50	4	
	53	3	
	57	4	
	6:00	3	CONN
25	6:12	3	
	18	3	
	21	3	
	24	3	
	27	3	
3530	30	3	
	33	3	
	36	3	
	39	3	
	42	3	
35	44	2	
	46	2	
	48	2	
	50	2	
	53	3	
3540	56	3	CFD 20-60
	8:00	2	
	105	3	
	109	4	
	12	3	
45	16	4	
	19	3	
	24	5	
	27	3	
	30	3	
3550	34	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3550	8:34		
51	37	3	
	40	3	
	43	3	
	46	3	
55	49	3	
	52	3	CONN
	9:00	4	
	10	3	
	13	3	
3560	16	3	
	17	3	
	20	1	
	23	3	
	25	2	
65	28	3	CFD 50-60
	10:32	4	
	35	3	
	39	4	
	42	3	
3570	46	4	
	50	4	
	54	4	
	58	4	
	11:02	4	
75	104	2	
	107	3	
	10	3	
	12	2	
	15	3	
3580	19	4	
	23	4	
	27	4	
	30	3	
	34	4	
85	37	3	CONN
	11:58	2	
	03	3	
	05	2	
	08	3	
3590	12	4	
	15	3	
	17	2	
	20	3	
	24	4	
10	28	4	
	32	4	
	36	4	
	39	3	
	42	3	
3600	45	3	

ROTARY DRILLING TIME SHEET # 503  
 KANSAS BLUE PRINT CO., WICHITA, KAN.  
 Reorder No. 09-281

COMPANY Liberty operations & Completion FARM Drilling WELL NO. 1

SEC.            TWP.            RGE.            LOC.            COUNTY Ellis STATE Kansas

CONTRACTOR Emphasis Oil Operations SIZE HOLE 17/8 DRILL PIPE 1 1/2" T & E

REMARKS: 15.051.246 23.00.00 SIZE PUMP LINERS 2 1/2" LENGTH STROKE 14"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3600</del> 01	<del>12:45</del> 49	4	
	56	7	
	1:01	2	
	05	4	
05	09	4	
	13	4	
	19	6	
	26	7	
	31	5	
10	35	4	
	40	5	
	46	6	
	50	4	
	53	3	
15	59	6	
	2:05	6	CONN
	2:17	4	
	21	4	
	25	4	
20	28	3	Vis 44 wt 9.2
	33	5	
	37	4	
	41	4	
	45	4	
25	47	3	
	52	4	
	56	4	
	3:00	4	
	03	3	
30	06	3	
	10	4	
	13	3	
	17	4	
	20	3	
35	24	4	
	28	4	
	32	4	
	36	4	
	40	4	
40	45	5	
	51	6	
	55	4	
	4:00	5	
	07	7	
45	12	5	
	17	5	
	20	3	CONN
	4:37	3	
	45	3	
3650	47	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>5650</del> 51	<del>4:47</del> 49	2	
	51	2	
	53	2	
	55	2	
55	58	3	
	5:01	3	
	04	3	
	07	3	
	11	4	
60	14	3	
	17	3	
	19	2	
	21	2	
	24	3	
65	27	3	
	31	2	
	33	2	
	36	3	
70	39	3	
	41	2	
	44	3	
	46	2	
	49	3	
75	51	3	
	53	2	
	55	2	
	57	2	CONN
	6:05	3	
80	08	1	
	10	2	
	12	2	
	15	3	
	17	2	Vis 46 wt 9.3
85	20	3	
	22	2	
	26	4	
	28	2	
	30	2	
90	33	3	
	36	3	
	38	2	
	40	2	
	42	2	
95	44	2	
	46	2	
	48	2	
	50	2	
	53	3	
5000	56	3	CF 30-60

ROTARY DRILLING TIME SHEET # 503 Recorder No. 09-281  
 KANSAS BLUE PRINT CO., WICHITA, KAN.