

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- 167-22,991-00-00

County Russell ✓

SE NW SE Sec. 31 Twp. 11S Rge. 14 East West

1650' ✓ Ft. North from Southeast Corner of Section

1650' ✓ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Burks ✓ Well # 1

Field Name Wildcat

Producing Formation Lansing-Kansas City

Elevation: Ground _____ KB _____

Total Depth 3320' PBDT _____

Operator: License # 5131

Name: Thunderbird Drilling, Inc.

Address P.O. Box 780407

City/State/Zip Wichita, KS 67278

Purchaser: _____

Operator Contact Person: Burke B. Krueger

Phone (316) 685-1441

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

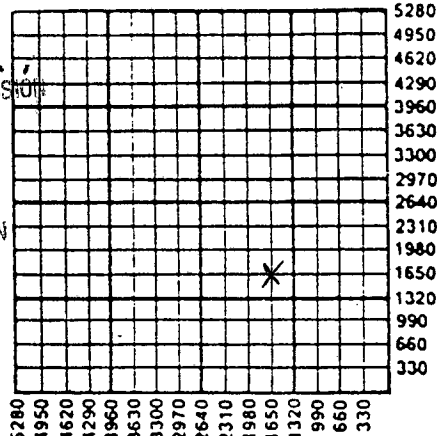
Drilling Method:

Mud Rotary Air Rotary Cable

9-22-91 9-28-91 _____

Spud Date Date Reached TD Completion Date

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STATE CORPORATION COMMISSION
10-11-1991
OCT 11 1991
CONSERVATION DIVISION
Wichita, Kansas



A 15-D 074

Amount of Surface Pipe Set and Cemented at 208.55' 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 [Signature]

Title Vice President Date 10-8-91

Subscribed and sworn to before me this 8th day of October, 19 91.

Notary Public [Signature]

Date Commission Expires _____

GLEND A FUNK
Notary Public - State of Kansas
My Appt. Expires 4-16-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

PI

SIDE TWO

Operator Name Thunderbird Drilling, Inc. Lease Name Burks Well # 1
 Sec. 31 Twp. 11S Rge. 14 East West
 County Russell

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	Formation Description <input type="checkbox"/> Log <input type="checkbox"/> Sample Name Top Bottom
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	

ATTACHED

CASING RECORD <input 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	12 1/4"	8 5/8"	19#	208.55'	60-40 posmix	150	2% gel 3% cc

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

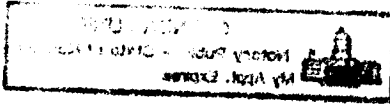
TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	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 Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____



15-167-22991-00-00

ORIGINAL

Phone 316-793-5861, Great Bend, Kan

Phone Plainville 913-434-2812

~~10-11-1991~~

OCT 0 1991

Phone Ness City 913-798-3843

NS 2423

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	9-28-91	Sec.	31	Twp.	11 S	Range	14 W	Called Out	6:30 PM	On Location	9:15 PM	Job Start	10:30 PM	Finish	12:00 AM
Lease	BURK'S	Well No.	#1	Location	RUSSELL Hwy 281 9N			County	RUSSELL	State	KANSAS				
Contractor	ABERCROMBIE DRILL RIG # 8														
Type Job	ROTARY PLUG														
Hole Size	7 7/8	T.D.	3320'												
Csg.	8 5/8 SURFACE	Depth													
Tbg. Size		Depth													
Drill Pipe	4 1/2 X-H	Depth													
Tool		Depth													
Cement Left in Csg.		Shoe Joint													
Press Max.		Minimum	✓												
Meas Line		Displace													
Perf.															

Owner 3W 1N 1/8W 1/4N

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 THUNDERBIRD

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X *Anthony Ward*

CEMENT

Amount Ordered 175 SK 6 3/4 6% GEL 2 SK FLO-SEAL

Consisting of

Common

Poz. Mix RECEIVED

Gel. STATE CORPORATIO

Chloride 10-11-1991

Quickset OCT 11 1991

CONSERVATIO
Wichita, Kansas Sales Tax

Handling 1.00 PER SK

Mileage .04 PER TON MILE

Sub Total

Total

Floating Equipment

EQUIPMENT

Pumptrk #177	No.	Cementer	<i>Ellen</i>
		Helper	<i>Will</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk #213		Driver	<i>Jason</i>
Bulktrk		Driver	

DEPTH of Job

Reference:	Pump Truck CHRG.
	2.00 PER MILE
1-8 5/8	DRY HOLE PLUG
	Sub Total
	Tax
	Total

Remarks:

25 SK @ 945'

125 SK @ 580'

10 SK @ 40'

15 SK @ RATHOLE

[Signature]

DALE BALTHAZOR
ST. PLUGGER

COMPANY Thunderbird Drilling Co FARM Burks WELL NO. 1
 SEC. 31 TWP. 11S RGE. 14W LOC. SE-NW-SE COUNTY Russell STATE Ks
 CONTRACTOR Abercrombie RTD Inc. Rig 8 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 1 1/2"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3300	11:13	4	
01	17	4	
	20	3	
	23	3	
	25	2	
05	26	1	
	28	2	
	29	1	
	40	1	
	41	1	
	43	2	
3310	45	2	
	47	2	
	49	2	
	51	2	
	54	2	
15	57	3	
	06	3	
	10	4	
	13	3	
	17	3	
3320	20	3	CFS 30-60 RTD 9.1 437 49015
			Core
25			
3330			
35			
3340			
45			
3350			

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3350			
51			
55			
			RECEIVED
			STATE OF KANSAS
			10-11-1991
			OCT 11 1991
3360			
			CONS. WICHITA, KANSAS
65			
3370			
75			
3380			
85			
3390			
95			
3400			

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

COMPANY Thunderbird Drilling Co FARM Burks WELL NO. 1
 SEC. 31 TWP. 11S RGE. 14 W LOC. SE 1/4 NW 1/4 SE COUNTY Russell STATE Ks
 CONTRACTOR Abercrombie R.T.D. Inc. Rig 8 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH.
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 16"

DATE	DEPTH	TIME O'CLOCK	MIN.	REMARKS
	3200	11-		
	01	15-	4	
		49	3	
		54	5	
		58-	4-	
	05	03	4-	
		8	5	
		12-	4-	
		16-	4	
		21-	5	
	3210	25-	4	
		27-	7	
		29-	7	
		31-	7	
		34	2-	
	15	38	4	
		42-	4-	
		47-	5	VIS 51 W 9.2
		53	5-	
		58	5	
	3220	03	5	CFS 30-60
		40	42	
		45	9	
		47 1/2	2 1/2	
		50 1/2	3	
	25	54	3 1/2	
		57	3	
		6:01	4	
		03 1/2	2 1/2	
		05 1/2	2	
	3230	07	1 1/2	
		10	3	
		12 1/2	2 1/2	(Conson)
		17 1/2	2 1/2	
		23	2 1/2	
	35	26	3	
		28 1/2	2 1/2	
		31	2 1/2	
		34	3	
		36	0	
	3240	39	3	
		40	1	
		45	3	
		48	3	
		50	4	
	45	54	4	
		59	1	
		702	4	
		86-	4-	
		11	4-	
	3250	15	1	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
	3250	15	
	51	20	5
		24	4
		29	5
		33	4
	55	38	5
		43	5
		46	3
		50	4
		53	3
	3260	57-	4-
		802	4-
		06	4
		817	20-
		23	2-
	65	25	2
		28	3
		30	2
		32	2
		74	2
	3270	34	2
		37	3
		41	2
		44	3
		47	5
	75	49	2
		52	3
		55	2
		57-	2-
		902	2-
	3280	03	3
		04	3
		08-	2-
		11	2-
		14	3
	85	16	2
		25	26
		28	2
		30	2
		31	1
	3290	34	3
		36	2
		39	3
		43	4
		47	4
	95	52	55
		59	4
		1102	3
		06	4
		09	3
	3300	13	4

RECEIVED
 STATE COMMISSION
 OCT 11 1991
 DIVISION
 Wichita, Kansas

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

COMPANY Thunderbird Drlg Co FARM Burks WELL NO. 1
 SEC. 31 TWP. 11S RGE. 14 W LOC. SE-NW-SE COUNTY Russell STATE Ks
 CONTRACTOR Abercrombie R.T.D. Inc Rigs SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 16"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3100	37	2	
01	39	2	
	41	2	
	43	2	
	46	3	
05	48	2	
	50	2	Conn
	54 58	2	
	1200	2	
	03	3	
3110	07	4	CFS 30-60
	10	3	
	13	3	
	128 29	1	
	31	2	
15	33	2	
	35	2	
	1/2	1/2	
	36	1/2	
	44	1/4	
3120	1/2	1/4	
	51	1/3	Vis-44
		1/3	WT 9.1
	52	1/3	
		1/2	
25	53	2	
		1/2	
	54	1/2	
	54	1	
	57	1-	
3130	59	1-	
	301	2	
	3	2	
	5-	2-	
	8	2-	
35	10	2	
	12	2	
	14	2	Conn
	23 25	1-	
	27-	2-	
3140	30	2-	
	33	3	
	37	4	
	40-	3-	
	43-	3	
45	46-	3	
	50	3-	Vis 43 w.p.1
	52-	2-	
	55-	3	
	58	2-	
3150	1:00	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3150	1:00	2-	
51	2-	2-	
	5	2-	
	8	3	
	11	3	
55	13	2	
	15	2	
	17	2	
	18-	1-	
	20-	2	
3160	22-	2	
	25	2-	
	27-	2-	
	29-	2	
	31-	2	
65	34	2-	
	36	2	
	38	2	
	40	2	
	45/47	2	
3170	49	2	CFS 30-60
	8/11	3	
	15	3-	
	19	4	
	22	3	
75	25-	3-	
	29	3-	
	31-	2-	
	35	3-	STATE OF KANSAS DIVISION
	37	2	OCT 11 1991
3180	39	2	CORRELATION DIVISION
	41	2	Wichita, Kansas
	42-	1-	
	45	2-	
	48	3	
85	50	2	
	52-	2-	
	55-	3	
	59	3-	
	702	3	
3190	5	3	
	8	3	
	11	3	
	14	3	
	18	4	
95	21	3	
	24-	3-	
	28	3-	
	31	3	
	34-	3-	
3200	37-	3	

COMPANY Thunderbird Drilling Co FARM Banks WELL NO. 1
 SEC. 31 TWP. 11S RGE. 14W LOC. SE-WW-SF COUNTY Russell STATE Ks
 CONTRACTOR Abercrombie R.T.D. Inc. Rig 8 SIZE HOLE 7 7/8 DRILL PIPE 4' 2" XH
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 16"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3000	706	08	
01	09	2	
	11	1	
	12	2	
	13	1	
05	15	2	
	16	1	
	17	1	
	18	1	
3010	20	1	
	21	1	
	22	1	
	25	2	
	27	2	Conn
15	44 49	3	Vis-45
	50	3	WT. 9.0
	53	3	
	55	2	
	57	2	
3020	59	2	
	01	2	
	03	2	
	04	3	
	08	2	
25	11	2	
	14	3	
	17	3	
	20	3	
	23	3	
3030	24	3	
	29	3	
	32	3	
	35	3	
	37	2	
35	40	3	CFS 30-60
	45 54	2	
	56	2	
	58	2	
	1000	2	
3040	02	2	
	04	2	
	05	1	
	07	2	
	09	2	
45	11	2	Conn
	18 21	3	
	25	4	
	28	3	
	30	2	
3050	32	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3050	35	36	
51	40	3	
	43	3	
	46	3	CFS 30-60
55	50 54	3	
	58	4	
	11:00	2	
	02	2	
	03	1	
3060	06	3	
	08	2	
	11	3	
	12	4	
	20	4	
65	24	4	
	28	4	
	32	4	
	36	4	
	39	3	
3070	43	3	
	47	2	
	50	2	
	53	2	
	56	3	
75	59	3	Conn CFS 30-60
	1035 00	2	
	42	2	
	44	2	
	46	2	
3080	49	3	
	51	2	
	54	3	RECEIVED
	56	2	COMMISSION
	59	3	OCT 11 1991
85	1101	2	
	05	2	CONSERVATION DIVISION
	06	2	Wichita, Kansas
	07	1	
	09	1	
3090	11	2	
	13	2	
	14	2	
	18	2	
	21	2	Vis-45
95	23	2	WT. 9.1
	27	3	
	30	3	
	33	3	
	35	2	
3100	37	2	

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

COMPANY Thunderbird Drlg Co FARM Burks WELL NO. 1
 SEC. 31 TWP. 15 S. RGE. 14 W. LOC. SE-NW-SE COUNTY Russell STATE Ks
 CONTRACTOR Abercrombie R.T.D. Inc Rigs SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 16"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2900	36		
01	38	2	
	41	3	
	43 1/2	2 1/2	
	46	2 1/2	
05	48 1/2	2 1/2	
	51	2 1/2	
	53	2	
	55	2	
	57	2	
2910	59	2	
	4:01	2	
	03	2	
	05 1/2	2 1/2	
	08	2 1/2	
15	10 1/2	2 1/2	
	12 1/2	2	
	14	1 1/2	
	15	1	
	16	1	
2920	18	2	
	20	2	
	21 1/2	1 1/2	(Comm)
	22 1/2	1 1/2	
	28 1/2	1 1/2	
25	30 1/2	2	
	33	2 1/2	
	34 1/2	1 1/2	
	36	1 1/2	
	37 1/2	1 1/2	
2930	39	1 1/2	
	40 1/2	1 1/2	
	42	1 1/2	
	43	1	
	44 1/2	1 1/2	
35	46	1 1/2	
	47 1/2	1 1/2	
	49	1 1/2	
	51	2	
	53	2	
2940	55	2	
	57 1/2	2 1/2	
	5:00	2 1/2	
	02	2	
	04	2	
45	06	2	
	08	2	
	10	2	
	12	2	
	14	2	
2950	16	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2950	16		
51	18	2	
	20	2	
	22	2	(Comm)
	22 1/2	2	
55	31	2	
	33	2	
	35 1/2	2 1/2	
	38	2 1/2	
	40	2	
2960	41	1	
	42	1	
	43 1/2	1 1/2	
	46	2 1/2	
	48 1/2	2 1/2	
65	50 1/2	2	
	52	1 1/2	
	53 1/2	1 1/2	
	55	1 1/2	
	57	2	
2970	59	2	
	6:00 1/2	1 1/2	
	02	1 1/2	
	03 1/2	1 1/2	
	05	1 1/2	
75	06 1/2	1 1/2	
	08	1 1/2	
	09 1/2	1 1/2	
	11	1 1/2	
	13	2	
2980	15	2	
	16 1/2	1 1/2	
	18	1 1/2	
	20	2	
	22	2	(Comm)
85	26 1/2	1 1/2	
	30 1/2	2 1/2	
	33	2 1/2	
	35 1/2	2 1/2	
	38 1/2	3	
2990	41	2-	
	44	3	
	47	3	
	50	3	
	53	3	
95	55	2	
	57-	2-	
	7:00	2-	
	02-	2-	
	04	1-	
3000	06	2	

RECEIVED
 STATE OF KANSAS COMMISSION
 OCT 11 1991
 DIVISION
 Wichita Kansas

15-167-22, 991-00-00

ORIGINAL

COMPANY Thunderbird Drilling Co FARM Burks WELL NO. 1
 SEC. 31 TWP. 11S RGE. 14W LOC. SE NW-SE COUNTY Russell STATE Ks
 CONTRACTOR Abercrombie RTD, Inc Rig 8 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 X H
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 16"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2800	59		
01	12:00	2 1/2	
	03 1/2	2	
	05	1 1/2	
	07 1/2	2 1/2	
05	10	2 1/2	
	12	2	
	14	2	
	16	2	
	18 1/2	2 1/2	
2810	20 1/2	2	
	22 1/2	2	
	24 1/2	2	
	26	1 1/2	
	27 1/2	1 1/2	
15	29	1 1/2	
	31	2	
	32 1/2	1 1/2	
	34 1/2	2	
	37	2 1/2	
2820	39	2	
	40 1/2	1 1/2	
	42	1 1/2	
	44	2	
	46	2	
25	48 1/2	2 1/2	
	50	1 1/2	
	52	2	
	54	2	
	56	2	(Comm)
2830	1:01 1/2	03	1 1/2
	05	2	
	06 1/2	1 1/2	
	08 1/2	2	
	10	1 1/2	
35	11 1/2	1 1/2	
	13	1 1/2	
	14 1/2	1 1/2	
	16 1/2	2	
	18 1/2	2	
2840	20	1 1/2	
	22	2	
	24 1/2	2 1/2	
	26	1 1/2	
	28	2	
45	30	2	
	32	2	
	34	2	
	36	2	
	38 1/2	2 1/2	
2850	40 1/2	2	Water geologist

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2850	40 1/2		
51	43	2 1/2	
	45 1/2	2 1/2	
	48	2 1/2	
	50 1/2	2 1/2	
55	52 1/2	2	
	55	2 1/2	
	57	2	
	2:00	3	
	03	3	
2860	05	2	(Comm)
	09	11	2
	14	3	
	16	2	
	18	2	
65	20 1/2	2 1/2	
	23	2 1/2	
	25	2	
	28	3	
	30	2	
2870	32	2	
	33 1/2	1 1/2	
	34 1/2	1	
	36 1/2	2	
	38 1/2	2	
75	40 1/2	2	
	43	2 1/2	STATE
	45	2	MISSION
	47	2	OCT 11 1991
	49 1/2	2 1/2	C. WICHITA, KANSAS
2880	51 1/2	2	
	54	2 1/2	
	56	2	
	57	1	
	58 1/2	1 1/2	
85	3:01	2 1/2	
	03	2	
	05	2	
	07	2	
	09	2	
2890	10 1/2	1 1/2	
	12 1/2	2	(Comm)
	17	18 1/2	1 1/2
	21	2 1/2	
	23	2	
95	25 1/2	2 1/2	
	27 1/2	2	
	30	2 1/2	
	32	2	
	34	2	
2900	36	2	

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

COMPANY Thunderbird Drilling Co FARM Burks WELL NO. 1
 SEC. 31 TWP. 11S RGE. 14W LOC. SE-NW-SE COUNTY Russell STATE Ks
 CONTRACTOR Abercrombie R.T.D. Inc Rig # 8 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 16"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2700	24	1/2	
01	27	1/2	
	28	1/2	
05	29-	1-	con
	33-1/35	1-	
	36-	1-	
	38-	2	
	41	2-	
2710	43	2	
	45	2	
	47-	2-	
	50	2-	
	52	2	
15	54-	2-	
	56-	2	
	58-	2	
	900-	2	
	3	2-	
2720	5-	2-	
	8	2-	
	10	2	
	13	3	
	15-	2-	
25	18	2-	
	21	3	
	23-	2-	
	27	3-	
	29-	2-	
2730	32	2-	
	33-	1-	
	35	1-	
	36	1	
	37	1	
35	38	1	
	39	1	con
	41/45	1	
	46	1	
	47	1	
2740	48-	1-	
	49-	1	
	51	1-	
	53-	2-	
	56	2-	
45	57	1	
	58	1	
	59	1	
	1001	2	
	3	2	
2750	5	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2750	5	7	2
51	9	2	
	10	1	
	12	2	
55	14	2	
	16	2	
	18	2	
	20	2	
	21-	1-	
2760	23	1-	
	25	2	
	26 1/2	1 1/2	
	28	1 1/2	
	30	2	
65	31 1/2	1 1/2	
	33	1 1/2	
	35	2	con
	45/49	2	
	49 1/2	2 1/2	
2770	52	2 1/2	
	54	2	
	56 1/2	2 1/2	
	58 1/2	2	
	11:00 1/2	2	
75	02 1/2	2	
	04	1 1/2	
	05 1/2	1 1/2	
	07 1/2	2	
	09	1 1/2	
2780	11	2	
	13	2	
	14 1/2	1 1/2	
	16 1/2	2	
	19	2 1/2	
85	21	2	
	22 1/2	1 1/2	
	25	2 1/2	
	27	2	
	29	2	
2790	31	2	
	33	2	
	35 1/2	2 1/2	
	38	2 1/2	
	40	2	
95	43	3	
	45	2	Vis 38 Wt 8.9
	48	3	
	50	2	(Comm)
	51 1/2	2	
2800	59	2	

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

RECEIVED
 STATE COMMISSION
 OCT 11 1991
 CONSERVATION DIVISION
 Wichita, Kansas

COMPANY Thunderbird Drilling Co FARM Bucks WELL NO. 1
 SEC. 31 TWP. 11 SRGE. 14 WLOC. SE-NW-SE COUNTY Russell STATE Ks
 CONTRACTOR Abercrombie R.T.D Inc Rig 8 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 16"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2600	39		
01	40	1-	
	42	1-	
	44	2	
	46	2	
05	48	2	
	50	2	
	52	2	
	54	2	
	55	1	
2610	56	1-	
	57	1	
	58	1	CON
	3/4	1	
	5	1-	
15	6	1	
	7	1	
	9	1-	
	11	2	
	13	2-	
2620	16	2-	
	18	2	
	20	2-	
	22	2	
	24	2	
25	24	2	
	29	2-	
	31	2	
	34	3	
	36	2	
2630	45/47	1-	Replace Fuel Filters
	49	2-	
	50	1/2	
	51	1-	
	53	1-	
35	54	1-	
	55	1	
	57	1-	
	58	1-	
	59	1	
2640	600	1-	
	1-	1	
	2-	1	CON SET#2
	18/19	1-	
	21	1-	
45	23	2	
	25	2	
	27	2	
	28	1-	
	31	3	
2650	34	2-	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2650	34		
51	36	2	
	38	2	
	40	2	
	41	1	
55	42	1	
	44	2-	
	46	2	
	48	1-	
	49	1-	
2660	51	1-	
	52	1-	
	54	2	
	57	2-	
	59	2	
65	701	2	
	3	2	
	5	2	
	9	2-	
	9	2	
2670	11	2	
	13	2	
	15	2	
	17	1-	CON
	40/42	2	
75	43	1-	
	44	1	
	45	1	
	47	1-	STATE OF KANSAS COMMISSION
	48	1	
2680	49	1	OCT 11 1991
	50	1	
	51	1-	OF MINING DIVISION Wichita, Kansas
	53	2	
	55	1-	
85	57	2	
	59	2	
	8:01	2	
	02	1	
	03	1-	
2690	05	1-	
	07	2	
	08	1-	
	10	1-	
	12	2	
95	14	2	
	15	1-	SET#1
	21/23	2	
	24	1-	
	25	1/2	
2700	26	1	

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

COMPANY Thunderbird FARM Barks WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Russell STATE KS
 CONTRACTOR Abercrombie RTP SIZE HOLE 7 3/8 DRILL PIPE 4 1/2 x 17
 REMARKS: Rig 8 SIZE PUMP LINERS LENGTH STROKE

DATE Anhy

DEPTH	TIME O'CLOCK	MIN.	REMARKS
900	24	1	
	26	1	
	27	1	
	28	1	
5	29	1	
	30	1	
	31	1	
10	32	1	
	33	1	
	33	1/2	
	34	1/2	
15	35	1	Top 914
	36	1	
	38	1	
	39	1	
	41	1	
20	43	2	
	44	1	
	46	1	
	48	2	
	50	2	
25	52	2	
	54	2	
	56	2	
	58	2	
	700	2	
30	3	3	
	5	2	Con
	10/11	1	
	13	1	
	14	1	
35	14	1	
	18	2	
	20	2	
	21	1	
	23	1	
40	25	2	
	27	2	
	28	1	
	30	1	
	32	2	
45	33	1 1/2	945 Base
	34	1/2	
	34	1/2	
	35	1	
	36	1/2	
950	37	1	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
950	37	1	
	38	1	
	39	1	
	40	1	
	41	1	
55	42	1	
	43	1/2	con
	50	1/2	
	51	1/2	
10		1/3	
		1/3	
	52	1/3	
		1/4	
		1/4	
65		1/4	
	53	1/4	
		1/4	
		1/4	
		1/4	
70	54	1/4	
		1/3	
		1/3	
		1/3	
		1/3	
75		1/3	
	56	1/3	
		1/2	
	57	1/2	
		1/2	
80	58	1/2	RECEIVED STATE COMMISSION
	59	1	OCT 11 1991
		1/2	REGISTRATION DIVISION WICHITA, KANSAS
	800	1/2	
		1	
85		1 1/2	
	2	1/2	
	3	1	
		1/2	
	4	1/2	
90	5	1	
		1/2	
		1/2	
		1/2	
	7	1/2	con
95	11	1/2	
	12	1/2	
		1/2	
	13	1/2	
		1/2	
1000	14	1/2	

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 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Reorder No. 09-281

