

ORIGINAL

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- 193-20,500-00-00

County Thomas

NE 1/4 NW 1/4 NE 1/4 Sec. 5 Twp. 10S Rge. 33W East West

Operator: License # 5020

4950 Ft. North from Southeast Corner of Section

Name: Rine Exploration Company

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

Address Suite #645

Lease Name Carpenter Well # 1-5

300 W. Douglas

Field Name N/A

City/State/Zip Wichita, KS 67202-2904

Producing Formation N/A

Purchaser: N/A

Elevation: Ground 3174' KB 3179'

Operator Contact Person: M. Bradford Rine

Total Depth 4780' PBDT N/A

Phone (316) 262-5418

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: M. Bradford Rine

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

01/12/90 01/20/90 1/20/90

Spud Date Date Reached TD Completion Date

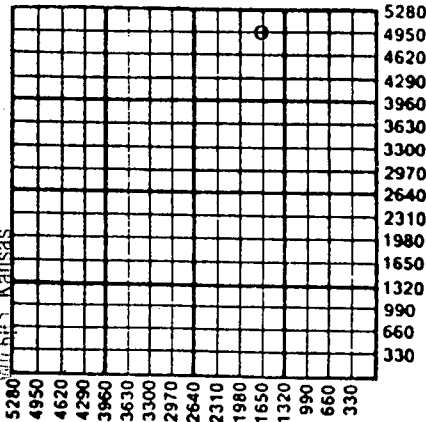
Amount of Surface Pipe Set and Cemented at 327' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 327

feet depth to surface w/ 200 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 M. Bradford Rine
(M. Bradford Rine)
Title President Date 03/08/90

Subscribed and sworn to before me this 8th day of March, 19 90.

Notary Public Ginger L. Kelley
(Ginger L. Kelley)
Date Commission Expires June 11, 1992



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)

SIDE TWO

Operator Name Rine Exploration Company Lease Name Carpenter Well # 1-5

Sec. 5 Twp. 10S Rge. 33W East West
 County Thomas

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 Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

Formation Description

Log Sample

Name _____ Top _____ Bottom _____

See attached.

CASING RECORD <input type="checkbox"/> New <input checked="" 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"	24#	327'	60/40 Poz	200	3% cc, 2% gel

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

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 _____

15-193-20500-00-00

ORIGINAL

#1-5 Carpenter
NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5-10S-33W
Thomas County, Kansas

ACO-1
Page 2

DST #1: 4255'-4314' ("H" & "I" Zone) 30-60-30-60.
Rec: 90' O&GCM (25% oil), 90' SO&GCWM (8% oil),
740' SW (50,000 ppm chlorides).
IFP 53 - 248 ISIP 1267
FFP 276 - 393 FSIP 1253

SAMPLE TOPS

Anhydrite	2685	+	494
Base Anhydrite	2713	+	466
Heebner	4081	-	902
Lansing	4122	-	943
Stark	4337	-	1158
Marmaton	4408	-	1229
Pawnee	4534	-	1355
Fort Scott	4591	-	1412
Johnson	4663	-	1484
RTD	4780	-	1601

E-LOG TOPS

Base Anhydrite	2730	+	449
Lansing	4121	-	942
Stark	4340	-	1161
Fort Scott	4592	-	1413
Johnson	4666	-	1487
Mississippian	4736	-	1557
LTD	4780	-	1601

RECEIVED
STATE GEOLOGICAL SURVEY

MAR 09 1990

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

15-193-20500-00-00

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

ORIGINAL

ALLIED CEMENTING CO., INC. N° 8681

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	1-12-90	Sec.	5	Twp.	10	Range	33 W	Called Out		On Location		Job Start	8:00 PM	Finish	
Lease	Carpenter	Well No.	1-5	Location	Cobley I-70 2nd Exit			County	Thomas	State	Ks				
Contractor	Abercrombie Dc/9			Owner	1 N 8 W 1 N 2 N										
Type Job	Surface			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.											
Hole Size	12 1/4	T.D.	328	Charge To	Rine Exploration Company										
Csg.	8 3/8	Depth	327	Street	Suite 645 300 W Douglas										
Tbg. Size		Depth		City	Wichita State Ks 67202-2904										
Drill Pipe		Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
Tool		Depth		Purchase Order No.	X Harold Maley										
Cement Left in Csg.	10-15	Shoe Joint		CEMENT											
Press Max.		Minimum		Amount Ordered	200 3/8 cc 2 1/2 gal										
Meas Line		Displace	✓	Consisting of											
Perf.				Common	120	Sk @	6 00	720 00							
				Poz. Mix	80	Sk @	2 35	188 00							
				Gel.	4	Sk @	6 75	27 00							
				Chloride	6	Sk @	20 00	120 00							
				Quickset											

EQUIPMENT

No.	Cementor	<i>Dave Gerald</i>
Pumptrk 153	Helper	
No.	Cementor	<i>Joel</i>
Pumptrk	Helper	
Bulktrk 156	Driver	
Bulktrk	Driver	

DEPTH of Job

Reference:	Pump trk chg	360 00
	100 per mile	14 00
	8 3/8 wooden plug	40 00
	Sub Total	
	Tax	
	Total	414 00

Remarks: Cement Cir
 RECEIVED
 STAT
 MAR 09 1990
 CONSERVATION DIVISION
 Wichita, Kansas

Handling	@ 90¢ ea	180 00
Mileage	3¢ / Sk / Mile	84 00
	Sub Total	
	Total	1319 00
Floating Equipment		



15-193-20500-00-00 JAN 23 1990
 P.O. Box 4442, Houston, Tx. 77210
 REMIT TO: P.O. Box 200416, Houston, Tx. 77216

SERVICE OPERATIONS CONTRACT
 TERMS NET 30 DAYS FROM DATE OF CONTRACT

CUSTOMER ACCOUNT NO.		DIST. NUMBER 3320	DATE 1-21-90	NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE 0	SERVICE CONTRACT NO. 510865	JOB NUMBER
CUSTOMER Rine Exploration Co.			WELL NO. 1-5	LEASE Carpenter			
ADDRESS			COUNTY/PARISH Thomas	CODE	STATE Ks	CODE	
CITY		STATE	ZIP	FIELD NAME Obercrombie Dwg # 4			
AUTHORIZED BY Harold Maley		ORDER NO.		WELL OWNER Rine Exploration Co.			
STAGE NO.	TYPE JOB PTA	WORKING DEPTH 2730	FT	PUMPING EQUIPMENT	TIME (A OR P)	DATE	
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>			TRUCK CALLED	11:30 A	MM	DD
TOTAL MEAS. DEPTH FT.	SIZE HOLE 7 7/8	DEPTH 4780	FT	ARRIVED AT JOB	1:00 A	11	21
	SIZE & WT. CASING	DEPTH	FT	START OPERATION	3:15 A	11	21
	SIZE & WT. DRILL PIPE OR TUBING 4 1/2" 16.60*	DEPTH 2730	FT	FINISH OPERATION	7:00 A	11	21
	PACKER DEPTH	FLUID PUMPED		TIME RELEASED	7:30 A	1	21
AVG. PSI.	MAX. PSI.			MILES FROM STATION TO WELL 15	SALESMAN NUMBER		
300	500	CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT					
MAX. BPM 6							
S/S EMPLOYEE NUMBER							
512-58-0438							

REMARKS

RECEIVED

JAN 24 1990

RINE EXPLORATION CO.

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
 The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ TITAN SERVICES.

PRICE BOOK 07

SIGNED Harold Maley
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1011098113	1	Pumping charge	370.00	ea	370 00
101109005	30	Pump truck mileage (Oakley 15)	1.10	BT	33 00
1041105104	114	Class A Cement	6.00	sb	684 00
1041151118	76	Pow mix	3.62	sb	275 12
1014201145	980	Hel	6.75	cwt	66 15
10141220105	50	Cellulose	1.27	lb.	63 50
104310538	1	8 5/8" plug	12.00	ea	12 00
10914101101	131	Hauling 8.7 x 15	.70	TM	91 70
10880085	190	Handling & dumping	.95	sb	180 50
undispatched	1775.97	20% discount	355.19	Total	1420 78

SERVICE REPRESENTATIVE Harold Maley THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Harold Maley
 MAR 09 1990 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

✓ CHECK IF CONTINUATION IS USED

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

CONSERVATION DIVISION
 Wichita, Kansas

TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

CEMENTING LOG

STAGE NO.

15-193-20500-00-00

ORIGINAL JAN 23 1990

Date 1-21-90 District 3320 Ticket No. 510665
 Company Rine Exploration Co. Rig Other # 4
 Lease Carpenter Well No. 1-5
 County Thomas State Ks
 Location Oakley 6N-8W-1N-5E Field

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type 60/40 Pas
6% gel, 2 sk cell lube Excess _____
 Amt. 190 Skys Yield 1.53 ft³/sk Density 13.3 PPG

Casing Depths: Top _____ Bottom _____

TAIL: Pump Time _____ hrs. Type _____ Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Drill Pipe: Size 4 1/2" Weight 16.60# Collars X hole
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Pump Trucks Used BSU-6463
 Bulk Equip. BSU-2037

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.3
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Mud Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Harold Maley

CEMENTER Harry A.

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
1:00						on loc & get up to k
1:45						hold pre-job safety meeting
3:15						1st plug 25 sk @ 2730'
4:20						2nd plug 100 sk @ 1775'
6:05						3rd plug 40 sk @ 375'
6:55						4th plug 10 sk @ 40'
7:00						15 sk in RH
						190 sk 60/40 Pas 6% gel 2 sk cell lube

RECEIVED

JAN 24 1990

RINE EXPLORATION CO.

Thank you
 Harry & Crew

RECEIVED

STATE OF KANSAS
 MAR 09 1990

CONSERVATION DIVISION
 Wichita, Kansas

SERVICES
 JOB NUMBER: 510665
 CONTRACT NUMBER: 15-193-20500-00-00
 DATE: 1-21-90
 DISTRICT NAME: JAN 23 1990
 DIRECT SHIPMENT FROM: Oakley, Ks
 CUSTOMER NAME AND ADDRESS: Rine Exploration Co.
 DIRECT SHIPMENT FROM: []
 VENDOR NAME: ORIGINAL

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1	10410504	Class A Cement	sk	114		
2	10415018	Pas Mix	sk	76		
3	10420145	Hel	cut	980		
4	10422005	Collafloke	lb.	50		
5	10430538	8 5/8" plug	ea	1		
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

RECEIVED
 JAN 24 1990
 RINE EXPLORATION CO.

RECEIVED
 MAR 09 1990

COPY 1 - DISTRICT COPY
 COPY 2 - CUSTOMER COPY
 COPY 3 - HOUSTON

LOADED BY: Wilson L. Fink (PRINTED)
Harry Gibson (SIGNATURE)
 CUSTOMER: Harold Mosey (SIGNATURE)
 DATE: 1-21-90

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- 193-20,500-00-00

County Thomas

NE 1/4 NW 1/4 NE 1/4 Sec. 5 Twp. 10S Rge. 33W X East West

4950 Ft. North from Southeast Corner of Section

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

Lease Name Carpenter Well # 1-5

Field Name N/A

Producing Formation N/A

Elevation: Ground 3174' KB 3179'

Total Depth 4780' PBTD N/A

Operator: License # 5020

Name: Rine Exploration Company

Address Suite #645

300 W. Douglas

City/State/Zip Wichita, KS 67202-2904

Purchaser: N/A

Operator Contact Person: M. Bradford Rine

Phone (316) 262-5418

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: M. Bradford Rine

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp. Abd.
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply, etc.)

If OMAO: old well info as follows:

Operator: N/A

Well Name: _____

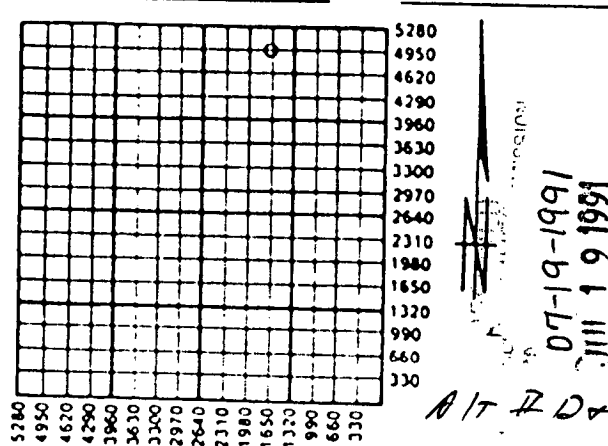
Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

01/12/90 01/20/90

Spud Date _____ Date Reached TD _____ Completion Date _____



Amount of Surface Pipe Set and Cemented at 327' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 327

feet depth to surface w/ 200 SX cat.

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 M. Bradford Rine
(M. Bradford Rine) President Date 03/08/90

Subscribed and sworn to before me this 8th day of March, 19 90.

Notary Public (Ginger L. Kelley)
Date Commission Expires June 11, 1992

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Time Log Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other

(Specify)

PI

15-193-20500-00-00

SIDE TWO

Operator Name Rine Exploration Company Lease Name Carpenter Well # 1-5
Sec. 5 Twp. 10S Rge. 33W East West
County Thomas

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 Yes No
(Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)

Formation Description
 Log Sample
Name Top Bottom
See attached.

1991
CONSERVATION DIVISION
Wichita, Kansas

CASING RECORD New 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"	24#	327'	60/40 Poz	200	3% cc, 2% gel

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

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift 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

15-193-20500-00-00

ORIGINAL

#1-5 Carpenter
NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5-10S-33W
Thomas County, Kansas

ACO-1
Page 2

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740' SW (50,000 ppm chlorides).
IFP 53 - 248 ISIP 1267
FFP 276 - 393 FSIP 1253

SAMPLE TOPS

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Base Anhydrite	2713	+ 466
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Lansing	4122	- 943
Stark	4337	-1158
Marmaton	4408	-1229
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E-LOG TOPS

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Mississippian	4736	-1557
LTD	4780	-1601

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JUL 19 1991
CONSERVATION DIVISION
Wichita, Kansas

15-193-20500-00-00

COMPANY Rine Exploration FARM Carpenter WELL NO 15
 SEC. TWP. RGE. LOC. COUNTY Thomas STATE Ks
 CONTRACTOR Abercrombie Dnlg SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x 4
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
26 5	24 45	4	
10	1:00	6	9 MIN out
15	5	5	
20	8	3	
25	15	7	
30	22	7	
35	27	5	
40	31	4	
45	41	5	5 MIN out
50	48	7	
55	55	7	
60	2:03	8	
65	7	4	
70	10	3	
75	18	4	4 MIN out
80	22	4	
85	26	4	
90	29	3	
95	31	2	
2700	34	3	
5	43	5	4 min out
10	53	10	
15	3:06	13	2704 only
20	18	12	
25	31 1/2	13 1/2	16
30	46	14 1/2	
35	4:12	27	11. min out; conn R. S. S&S
40	23	11	conn S&S
45	38	15	
50	52	14	
55	4:03	11	
60	13	10	
65	26	13	4 min conn
70	33	7	
75	39	6	
80	46	7	
85	54	8	
90	6:01	7	
95	9	8	
2800	18	7	4. min conn

DEPTH	TIME O'CLOCK	MIN.	REMARKS

ROTARY DRILLING TIME SHEET # 603
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Recorder No. 04-241

RECORDED
 STATE OF KANSAS
 1951
 CONSERVATION DIVISION
 Wichita, Kansas

COMPANY Rine Exploration

FARM Carpenter

WELL NO 1-5

SEC. TWP. RGE. LOC.

COUNTY Thomas

STATE Ks

CONTRACTOR Abercrombie Drng

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 x 14

REMARKS:

SIZE PUMP LINERS 6

LENGTH STROKE 15

DATE 1-16-90 PM

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3800	12 14	3 1/2	
	17 1/2	3 1/2	
	20 1/2	3	
	23 1/2	3	
	26	2 1/2	
5	28	2	
	30	2	
	34	4	
	37 1/2	3 1/2	
	40 1/2	3	
3810	44	3 1/2	
	48	4	
	51	3	
	54	3	
	57	3	
15	100	3	
	2 1/2	2 1/2	
	5	2 1/2	
	8	3	
	10 1/2	2 1/2	
3820	13 1/2	3	
	15	1 1/2	
	16	1	
	16 1/2	1/2	conn
	2 1/2	1	
25	25	3	
	28 1/2	3 1/2	
	31	2 1/2	
	34	3	
	37	3	
3830	40	3	
	42	2	
	44	2	
	47	3	
	51	4	
35	55	4	
	59	4	
	20 2 1/2	3 1/2	
	7	4 1/2	
	10	3	
3840	13	3	
	16	3	
	18 1/2	2 1/2	
	21 1/2	3	
	24	2 1/2	
45	27	3	
	30	3	
	33	3	
	37	4	
	40 1/2	3 1/2	
3850	44 1/2	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3850	24 1/2	3 1/2	
	51	3	
	54	3	
	55 1/2	1 1/2	
55	57	1 1/2	conn
	30 3 1/2	2	
	11	4	
	15 1/2	4 1/2	
	19	3 1/2	
3860	22	3	
	25	3	
	28	3	
	31	3	
	34	3	
65	39	5	
	44	5	
	48	4	
	53	5	
	58	5	
3870	403	5	
	8	5	
	11	3	
	14	3	
	18	4	
75	23	5	
	28	6	
	32	4	
	36	4	
	42	6	
3880	47 1/2	5 1/2	
	54	6 1/2	
	500	6	
	5 1/2	5 1/2	52 wis
	9	3 1/2	9.1 wt.
85	13	4	
	17 1/2	4 1/2	
	21	3 1/2	conn
	29	2	
3890	31	2	
	34	3	
	37 1/2	3 1/2	
	42 1/2	5	
	47 1/2	5	
95	53	5 1/2	
	56	3	
	600	4	
	3	3	
	7 1/2	4 1/2	
3900	12	4 1/2	

ROTARY DRILLING TIME SHEET # 603
 NUMBER NO. (19-24)
 KANSAS BLUE PRINT CO., WICHITA, KAN.

JAN 19 1991
 CONSERVATION DIVISION
 WICHITA, KANSAS

15-193-20500-00-00

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3900	12		
1	16	4	
	20	4	
	23 1/2	3 1/2	
	26	2 1/2	
5	29 1/2	3 1/2	
	32 1/2	3	
	36	3 1/2	
	39	3	
	41	3	
10	44	3	
	47	3	
	52	5	
	58	6	
	703	5	
12	8	5	
	13	5	
	18	5	
	23	5	
	28	5	CONN
20	31 1/4	3	
	38	4	
	42 1/2	4 1/2	
	46	3 1/2	
	50	4	
22	54	4	
	58	4	
	803	5	
	08	5	
	12 1/2	4 1/2	
20	17 1/2	5	
	22	4 1/2	
	27 1/2	5 1/2	
	33	5 1/2	
	40	7	
25	46	6	
	52	6	
	56 1/2	4 1/2	
	900	3 1/2	
	3	3	
40	6	3	
	9	3	
	12	3	
	15	3	
	19	4	
45	23	4	
	26	3	
	29	3	
	32	3	
	34	2	
50	37	3	CONN

DEPTH	TIME O'CLOCK	MIN.	REMARKS
30 31	41	23	2
	46	3	
	48	2	
	50 1/2	2 1/2	
55	53	2 1/2	
	59	4	
	10:00	3	
	3	3	
	6 1/2	3 1/2	
60	10 1/2	4	
	14	3 1/2	
	17	3	
	19	2	
	21	2	
65	23	2	
	25	2	
	27	2	
	30	3	
	32 1/2	2 1/2	
70	34	1 1/2	
	37 1/2	3 1/2	
	40	2 1/2	
	43	3	
	45 1/2	2 1/2	
75	49	3 1/2	
	53	4	
	57	4	
	59	2	
	11:02	3	
80	05	3	
	06	1	
	07	1	
	11:18	1	CONN
	22	4	
85	25	3	
	28 1/2	3 1/2	
	32	3 1/2	
	36	4	
	40	4	
90	44	4	
	47 1/2	3 1/2	
	49 1/2	2	
	52	2 1/2	
	55 1/2	3 1/2	
95	59	3 1/2	
	12:03	4	
	7	4	
	11	4	
	16	5	
40.00	20 1/2	4 1/2	

STATE OF KANSAS
 DEPARTMENT OF REVENUE
 WICHITA, KANSAS
 1991

ROTARY DRILLING TIME SHEET # 503
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Recorder No. 05-281

5 1/2 4 4 4

15-193-20500-00-00

ORIGINAL

COMPANY Rice Exploration

FARM Carpenter

WELL NO. 1-5

SEC. TWP. RGE. LOC.

COUNTY Thomas

STATE Kansas

CONTRACTOR Absconable Drilling

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 X 17

REMARKS:

SIZE PUMP LINERS 6

LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4000	12:20		
	26	5 1/2	
	30	4	
	34	4	
	38	4	
05	42	4	
	46 1/2	4 1/2	
	50	3 1/2	
	52	2	
	54 1/2	2 1/2	
4010	58 1/2	4	com
	1:00	5	
	17	4	
	22	5	
	26	4	
15	30 1/2	4 1/2	
	35	4 1/2	
	39 1/2	4 1/2	
	44	4 1/2	
	48	4	
4020	52	4	
	56	4	
	2:00	4	
	03	3	
	06	3	
25	09	3	
	12	3	
	16	3	
	20	4	
	23	3	
4030	26	3	
	31	5	
	36	5	
	41	5	
	46	5	
35	51	5	
	56 1/2	5 1/2	
	3:00	4	
	04	3 1/2	
	08 1/2	4 1/2	
4040	13	4 1/2	
	16 1/2	3 1/2	
	20	3 1/2	
	3:28	3 1/2	
	35	3 1/2	
45	37	2	
	40	3	
	45	5	
	48	3	
	50	2	
4050	56	6	wake seal bring dirly time

DEPTH	TIME O'CLOCK	MIN.	REMARKS
	4:02	6	
	08	6	
	13 1/2	5 1/2	
	19	5 1/2	
55	24 1/2	5 1/2	
	29	4 1/2	
	32	3	
	37	5	
	41 1/2	4 1/2	vis 63 wt. 9.2
4060	45 1/2	4	begin 10' wet sp's with drys
	48 1/2	3	
	51	2 1/2	
	53	2	
	56	3	
65	58 1/2	2 1/2	
	5:00 1/2	2	
	03	2 1/2	
	06	3	
	08 1/2	2 1/2	
4070	11	2 1/2	wake seal: bring wet sp's dirly time
	13	2	
	15 1/2	2 1/2	
	18 1/2	3	com
	5:24	1	
75	27 1/2	2 1/2	
	30	2 1/2	
	32	2	
	34	2	
	37	3	
4080	39	2	
	42	3	
	43 1/2	1 1/2	
	45	1 1/2	vis 78 wt. 9.4
	48	3	
85	52 1/2	2 1/2	
	56	3 1/2	
	58 1/2	2 1/2	
	6:00 1/2	2	
	04	3 1/2	vis 70 wt. 9.2
4090	07 1/2	3 1/2	circ 1hr catch
	7:02	5	40:90 - 20 min - 60 min wet + dry
	7:02 1/2	5 1/2	
	07	4 1/2	
	12	5	
95	17	5	
	22	5	vis wt
	25	3	56 9.3
	28 1/2	3 1/2	
	33	4 1/2	
4100	38	5	

ROTARY DRILLING TIME SHEET # 603
KANSAS BLUE PRINT CO., WICHITA, KAN.

Revised No. 05-281

1111 10 1991
CONSERVATION Division
Wichita, Kansas

COMPANY Rine Exploration FARM Carpenter WELL NO. 15
 SEC. TWP. RGE. LOC. COUNTY Thomas STATE Ks
 CONTRACTOR Abercrombie Drlg SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4100	738	43	
	49	5	
	53	5	
	58	5	conn center
05	809	11 3/4	
	17	5 1/2	
	21	4	
	24	3	
	26 1/2	2 1/2	
4/10	29	2 1/2	
	31	2	
	33 1/2	2 1/2	
	36	2 1/2	
	40	4	
15	43	3	
	45 1/2	2 1/2	
	49 1/2	4	
	54	4 1/2	
	59 1/2	5 1/2	
4/120	904	4 1/2	
	8	4	
	12	4	
	16	4	
	20	4	
25	23 1/2	3 1/2	
	26	2 1/2	
	28	2	
	29 1/2	1 1/2	
	31	1 1/2	
4/130	34	3	vis wt
	38	4	48 9.2
	42	4	
	45	3	
	47	2	
35	49	2	conn
	120	02	
	04	2	
	06	2	
	8	2	
4/140	10	2	keep catching
	12	2	10' wet & dry
	14	2	
	18	4	
	21	3	
45	25	4	
	28	3	
	32	4	
	36	4	
	40	4	
4/150	44	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4150	1048	48	
	52	4	
	5-	4	
	11:00	4	
55	55	5	
	59	4	
	13	4	
	16	3	
	17 1/2	1 1/2	
4/160	19	1 1/2	
	22	3	
	24	2	
	26 1/2	2 1/2	
	28	1 1/2	
65	30	2	
	32	2	
	35	3	conn 20-40
12	33 1/2	1 1/2	vis wt
	35	1 1/2	52 9.2
			vis wt
4/170	37	2	51 9.2
	39 1/2	2 1/2	
	42	2 1/2	
	46 1/2	4 1/2	
	49 1/2	3	
75	52	2 1/2	
	54 1/2	2 1/2	
	58	3 1/2	
	1:01	3	
	55	4	
4/180	58 1/2	3 1/2	
	13	5 1/2	
	16	4	
	20	4	
	22	2	
85	24	2	
	25 1/2	1 1/2	
	27	1 1/2	
	28 1/2	1 1/2	
	30	1 1/2	
4/190	32 1/2	2 1/2	
	35 1/2	3	
	37 1/2	2	
	39	1 1/2	
	40 1/2	1 1/2	
95	42 1/2	2	
	46 1/2	4	
	51 1/2	5	
	55	3 1/2	conn
59 1/2	502	2 1/2	vis wt
4200	206	4	48 9.2

ROTARY DRILLING TIME SHEET # 603
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Member No. 019 281

MISSOURI
 DIVISION
 Wichita, Kansas
 1991

15-193-20500-00-00

ORIGINAL

COMPANY Rine Exploration

FARM Carpenter

WELL NO. 1-5

SEC. TWP. RGE. LOC.

COUNTY Thomas STATE KS

CONTRACTOR Abernombie

SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x 14

REMARKS:

SIZE PUMP LINERS 6 LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4200	206		
	11	5	
	15	4	
	18	3	
	22	4	
	25	3	
	29	3	
	32	2 1/2	
	36	3 1/2	
4210	41	5	
	47	5 1/2	
	53	6	
	57	4	
	300	3	
15	03	3	
	6	3	
	9	3	
	12	3	
	15 1/2	3 1/2	
4220	19	3 1/2	
	22	3	
	25	3	
	28	3	
	33	5	
	36	3	
	40	4	
	44	4	
	47	3	conn
	52	3	
4230	57	2	
	59	1	
	00	2	
	2	2	
	4 1/2	2 1/2	
35	6	1 1/2	
	8	2	
	10 1/2	2 1/2	
	13 1/2	3	
	16	2 1/2	
4240	18	2	
	21	3	
	24	3	
	27	3	
	30 1/2	3 1/2	
45	34	3 1/2	
	38	4	
	41	3	
	43	2	
	47	4	
4250	51	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4250	57		
	55	4	
	5:00	5	
	05	5	
	08	3	
	55	11	3
	14	2	
	20	3	
	24	4	
4260	32	2	conn, continue 15 wet & dry
	33	4	
	41	8	
	47	6	49 vis 9.4 wt.
	52 1/2	5 1/2	
65	56	3 1/2	
	59	3	
	60 1/4	5	
	9	5	
	14	5	
4270	19	5	
	24 1/2	6 1/2	
	31	6 1/2	
	39	8	
	47 1/2	8 1/2	
75	54	6 1/2	
	59	5	
	70 1/4	5	
	9	5	
	13 1/2	4 1/2	
4280	17	3 1/2	
	20	3	
	25	5	
	31 1/2	6 1/2	
	38	6 1/2	
85	43	6	
	49	6	
	56	7	
	3:14 1/2	2 1/2	
	22	3 1/2	
4290	26	4	wet & dry
	30	4	conn
	3:34	36	2
	40	4	
	44	4	
95	49	5	
	54	6	
	4:00	6	vis so wt. 9.3
	05	5	
	10	5	
4300	15	5	wake seal being dig time & wet sps

ROTARY DRILLING TIME SHEET # 603
KANSAS BLUE PRINT CO., WICHITA, KAN.

15-193-20500-00-00

COMPANY Rice Explorations FARM Carpenter # WELL NO. 1-5
 SEC. TWP. RGE. LOC. COUNTY Thomas STATE KS
 CONTRACTOR Abercrombie Drilling SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 X 14
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4300	4:15	5	
	20	5	
	25	5	
	30	5	
	36	6	
05	42	6	
	46	3	
	49	3	
	51	2	
	54	3	
4310	56	2	
	5:00	4	
	02 1/2	2 1/2	
	05	2 1/2	
	07	2	CFS 30" 60"
15	09	2	circ 1 hr before
	34	3	dry
	37	3	
	41	4	
	45	4	
4320	49	4	continue 10' wet/dry
	54	5	
	500	6	conn
	05 10	5	
	15 1/2	5 1/2	
25	22	6 1/2	
	28	5	
	34	6	
	38 1/2	4 1/2	
	40 1/2	4	
4330	48	5 1/2	
	54	6	
	500	6	
	5	5	
	10	5	
35	13	3	
	17	4	
	21	4	
	23 1/2	2 1/2	
	26	2 1/2	
4340	28 1/2	2 1/2	circ for sps
	33	4 1/2	call me at noon
	39	6	circ 1 hr before
	10:50	6	5/16 IS 9.4 wt.
	14	4	vis 52 wt. 9.3
435	15 1/2	4 1/2	
	15	4 1/2	
	21	6	
	26	5	
	31	5	
4350	35	4	continue 10' wet/dry

DEPTH	TIME O'CLOCK	MIN.	REMARKS
	11:35	5	
	43	3	
	45 1/2	2 1/2	
	47	3 1/4	conn
55	55	2	
	02	2	
	03	1	
	05	2	
	07	2	
4360	09	2	
	11 1/2	2 1/2	
	14	2 1/2	
	18	4	
	22	4	
65	26	4	
	29 1/2	3 1/2	
	32	2 1/2	
	34 1/2	2 1/2	
	39	4 1/2	
4370	42 1/2	3 1/2	
	47	4 1/2	
	52	5	
	57	5	
	1:03	6	
75	07	4	
	11	4	
	15	4	
	19 1/2	3 1/2	
	22	3 1/2	
4380	25	3	
	29	4	
	32	3	
	36	4	
	39	3	
85	44 1/2	2 1/2	
	52	4 1/2	
	55	3	
	58	3	
	2:01	3	
4390	04	3	
	08	4	vis 56 wt. 9.3
	12	4	
	17	5	
	22	5	
95	27	5	
	32	5	
	37	5	
	41 1/2	4 1/2	
	46	4 1/2	
4400	51	4	

15-193-20500-00-00

ORIGINAL

COMPANY Rine Exploration FARM Carpenter WELL NO. 1-5
 SEC. TWP. RGE. LOC. COUNTY Thomas STATE Kansas
 CONTRACTOR Abercrombie Drilling SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 X 17
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4400	2:51	4	
	3:00	5	
	04	4	
	09	5	
05	14	5	
	18 1/2	4 1/2	
	23	4 1/2	
	28	5	
	33	5	
4410	38	5	
	43	5	
	46	3	
	49 1/2	3 1/2	
	51	1 1/2	win
15	3:58	2	
	4:00	2	vis 53 wt. 9.3
	7 1/2	1 1/2	
	03	1 1/2	
	05 1/2	2 1/2	
4420	08 1/2	3	
	12	3 1/2	
	15	3	
	19	4	
	24	5	
25	29	5	
	33	4	
	38	5	
	42	4	
	46 1/2	4 1/2	
4430	51	4 1/2	
	56	5	
	5:00	4	vis 49 wt. 7.3
	05	5	
	09	4	
35	14	5	
	21	7	
	25 1/2	7 1/2	
	35	7 1/2	
	41	6	
4440	47	6	
	53	6	
	57	4	
	6:00	3	
	05	5	
45	08 1/2	3 1/2	
	6:10	2	
	21	5	
	25	4	
	30	5	
4450	34	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4455	6:37	4	
	38	4	
	43	5	
	49	6	
	53	4	
55	58	5	
	7:02	4	57 vis
	56	4	93 WT.
	10	4	
	14	4	
4460	18 1/2	4 1/2	
	23	4 1/2	
	27 1/2	4 1/2	
	32	4 1/2	
	37	5	
65	42	5	
	48	6	
	54	6	Jet #1
	58	5	
	16	8	
4470	21	5	
	24	3	
	29 1/2	5 1/2	
	35	5 1/2	
	40	5	
75	45	5	
	50	5	conn - Ser Rig
9:06	10	4	
	14	4	
	18	4	
4480	22 1/2	4 1/2	
	27	4 1/2	
	32	5	
	39	7	
	46	7	
85	52	6	
	59	7	
	10:05	6	
	11	6	
	16	5	
4490	21 1/2	5 1/2	
	27 1/2	6	
	32 1/2	5	
	37	4 1/2	
	42	5	
95	47 1/2	5 1/2	
	52 1/2	5	
	57	4 1/2	
	11:01 1/2	4 1/2	vis wt
	6	4 1/2	53 9.4
4500	11:10	4	

ROTARY DRILLING TIME SHEET # 803
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Number No. (09-281)

15-193-20500-00-00

ORIGINAL

COMPANY Rine Exploration FARM Carpenter WELL NO. 1-5
 SEC. TWP. RGE. LOC. COUNTY Thomas STATE Ks
 CONTRACTOR Abercrombie Dalg SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x H
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4500	11 10	4 1/2	
	11 15	4 1/2	
	18 1/2	4	
	23	4 1/2	
	27 1/2	4 1/2	
5	33	5 1/2	
	38	5	
	45	7	conn
	50 1/2	3 1/2	
	1200	6 1/2	
4510	5	5	call me at
	10 1/2	5 1/2	room @ 4510
	15 1/2	5	
	21	5 1/2	
	27	6	
15	32	5	
	37	5	
	43	6	
	48	5	
	53 1/2	5 1/2	
4520	58 1/2	5	
	105	6 1/2	
	13	8	vis wt
	20	7	45 9.4
	28	8	
25	35 1/2	7 1/2	
	42 1/2	7	
	48 1/2	6	
	53	4 1/2	
	55 1/2	2 1/2	
4530	58 1/2	3	
	203 1/2	5	vis wt
	10 1/2	7	42 9.4
	16	5 1/2	
	21 1/2	5 1/2	
35	26	4 1/2	
	28 1/2	2 1/2	
	30 1/2	2	
	32 1/2	2	conn
	37 1/2	2 1/2	
4540	44	4 1/2	circ for spls
	40 1/2	4 1/2	
	12	4 1/2	
	16 1/2	4 1/2	
	21	4 1/2	
45	26 1/2	5 1/2	
	32 1/2	6	43 vis. 9.4 wt.
	38	5 1/2	
	43	5	
	48	5	
4550	53	5	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4550	53	2 1/2	
	59	5 1/2	
	09	6	
	14	5	
55	20	6	
	25	5	
	31	6	
	36 1/2	5 1/2	
	42	5 1/2	
4560	48	6	
	52 1/2	4 1/2	
	59	1 1/2	
	10 1/2	6	
	10 1/2	5 1/2	
65	16	5 1/2	
	22	6	
	28	6	
	34	6	43 vis. 9.4 wt.
	40	6	conn
4570	45	3	
	51 1/2	6 1/2	
	203	7 1/2	
	11	8	
	19	8	
75	25	6	
	31 1/2	5 1/2	
	36	5 1/2	
	41 1/2	3 1/2	
	46	4 1/2	
4580	51	5	
	56 1/2	5 1/2	
	801	4 1/2	
	6	5	
	11	5	
85	16	5	
	21	5	
	26	5	
	22	6	
	39	6	
4590	44	5	
	48 1/2	4 1/2	
	54 1/2	6	
	902	7 1/2	
	10	8	
95	19	9	
	24	5	
	29	5	
	35	6	
	40	5	
4600	45	5	make geo/ spls + time

ROTARY DRILLING TIME SHEET # 503
 KANSAS BLUE PRINT CO., WICHITA, KAN.

15-193-20500-00-00

COMPANY Rine Exploration FARM Carpenter WELL NO. 15
 SEC. TWP. RGE. LOC. COUNTY Thomas STATE KS
 CONTRACTOR Abercrombie Drg SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x 4
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
10	9:50		
	9:52	3	cc 2.2
	57	5	
	10:02	5	
	07 1/2	5 1/2	
5	13	5 1/2	
	20	7	
	26 1/2	6 1/2	
	32	5 1/2	
	38	6	
10	42 1/2	4 1/2	water seal operation
	48	5 1/2	4.5 vis. 9.6 wt.
	53 1/2	5 1/2	
	1:00	11 1/2	
	5 1/2	5 1/2	
	12	6 1/2	
	17	5	
	22	5	
	27	5	
	33	6	
20	37	4	water seal bring
	42 1/2	5 1/2	water site + delay time
	47 1/2	5	
	54	6 1/2	
	12:00	6	
25	1:05 1/2	5 1/2	
	11	5 1/2	
	18 1/2	7 1/2	
	23	6 1/2	
	31	6 1/2	
30	35 1/2	6 1/2	CC 2.71 water seal. bring
	45 1/2	6	wt + dry app. + delay time
	59	8	
	1:06	7	
	12	6	
35	16 1/2	4 1/2	
	20 1/2	4	
	24	3 1/2	
	30	6	
	35 1/2	5 1/2	
40	42 1/2	7	
	49 1/2	5	
	53 1/2	6	
	2:00	6 1/2	
	6 1/2	6 1/2	
45	12 1/2	6	
	18	5 1/2	
	24	6	
	29 1/2	5 1/2	
	36 1/2	7	
50	42 1/2	6	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
46 1/2	57 1/2	5 1/2	
	56	8	
	3:02 1/2	6 1/2	
	07 1/2	5	
55	14 1/2	7	
	22	7 1/2	
	30	8	
	37	7	
	44	7	
60	50	6	
	57	7	flow
	40 1/2	4	
	09 1/2	4 1/2	
	16 1/2	7	
65	24	7 1/2	
	30	6	
	36	6	
	41	5	
	46 1/2	5 1/2	
70	51 1/2	5	
	56	4 1/2	
	5:01	5	
	06	5	
	10 1/2	4 1/2	
75	16	5 1/2	
	21	5	
	26 1/2	5 1/2	
	32	5 1/2	
	37	5	
80	42	5	
	47	5	4.8 vis
	52 1/2	5 1/2	9.9 wt.
	56 1/2	4	
	600	3 1/2	
85	6:03	3	
	9	6	
	13 1/2	4 1/2	
	18	4 1/2	
	21	3	
90	25	4	
	30	5	
	35	5	CFs 30-60
95	8 12 1/2	3	vis 50 9.9
	22	4	
95	28	6	
	33	5	
	38	6	
	45	6	
	50	5	
47:00	85 1/2	6	

15-193-20500-00-00

ORIGINAL

COMPANY Pine Exploration FARM Carpenter WELL NO. 1-5
SEC. TWP. RGE. LOC. COUNTY Thomas STATE KS
CONTRACTOR Hibernian Drng SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x 4
REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 15

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4700	8:56	5	
	9:01	5	
		5	
		4	
		3 1/2	
		4	
		5 1/2	
		4	
		5	
		3 1/2	
		5	
		7 1/2	
		5 1/2	
		5 1/2	
4710	47 1/2	5	
		5	
		4 1/2	
		3 1/2	
		5 1/2	
		5	
		3	
		3 1/2	
		1	
		1 1/2	
4720	23	2	
		1 1/2	
		1 1/2	
		1 1/2	
		1	
		3	anomal. - jet hole
		4	
		4	
		4	
		4 1/2	
4730	58 1/2	2	
		3	
		3	
		4	
		3 1/2	
35	14 1/2	2 1/2	
		3 1/2	
		3	
		2	
		3	
		3 1/2	
47410	23	3 1/2	
		5 1/2	
		7 1/2	
		6	
		5 1/2	
45		6	
		6	
		6	
		6	
		5	
4750	26 1/2	3 1/2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4750	12:26 1/2	5 1/2	
	32	5 1/2	vis wt
		5 1/2	54 9.8
		4	
		5	
		4 1/2	norm
		3 1/2	
		3 1/2	
		5	
		4	
4760	16	4	
		4	
		4 1/2	
		5	
		4 1/2	
		4 1/2	
		4 1/2	
		4	
4770	200	4	
		5	
		4	
		1 1/2	
		2 1/2	
75	14	1	
		2	vis wt
		1	53 9.9
		1 1/2	
		1 1/2	
4780	22	2	TD circ
			1 hr in hand hole
			catch 30"-60" sp/s
95			
4800			

ROTARY DRILLING TIME SHEET # 603 KANSAS BLUE PRINT CO., WICHITA, KAN. (03/24)