

ORIGINAL

CONFIDENTIAL

RELEASED

SIDE ONE

JUL 02 1991

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

API NO. 15- 079-20,645-0000

County Harvey FROM CONFIDENTIAL

NW NW NE Sec. 22 Twp. 24 Rge. 2 X East West

4950 Ft. North from Southeast Corner of Section

2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Fein 'A' Well # 1

Field Name Kisiwa

Producing Formation D & A

Elevation: Ground 1395' KB 1400'

Total Depth 4050 PBTD _____

Operator: License # 3667

Name: Source Petroleum

Address 200 W. Douglas, Suite 820

City/State/Zip Wichita, KS 67202

Purchaser: N/A

Operator Contact Person: John D. Howard Jr.

Phone (316) 262-7397

Contractor: Name: ALLEN DRILLING COMPANY

License: 5418

Wellsite Geologist: Steve Davis

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWM: old well info as follows:

Operator: N/A

Well Name: _____

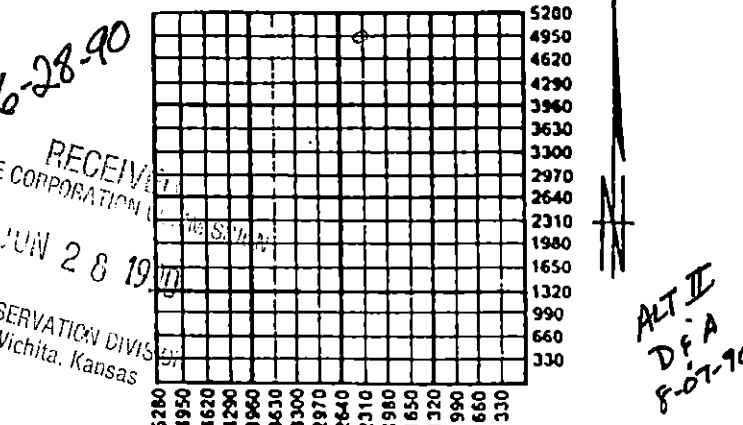
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

6/4/90 6/13/90 6/13/90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 256 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 John D. Howard, Jr.
Title General Manager Date 6/27/90

Subscribed and sworn to before me this 27th day of June
Notary Public Virginia S. Fabian
Date Commission Expires August 5, 1991

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

SIDE TWO

Operator Name Source Petroleum Lease Name Fein 'A' Well # HM 0 2 1991
 Sec. 22 Twp. 24 Rge. 2 East County Harvey West **FROM CONFIDENTIAL**

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 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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <th style="width: 40%;"></th> <th style="width: 30%; text-align: center;"><input checked="" type="checkbox"/> Log</th> <th style="width: 30%; text-align: center;"><input type="checkbox"/> Sample</th> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td style="text-align: center;">2269</td> <td style="text-align: center;">2273</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">2482</td> <td style="text-align: center;">2958</td> </tr> <tr> <td>Mississippi</td> <td style="text-align: center;">3318</td> <td style="text-align: center;">3735</td> </tr> <tr> <td>Viola</td> <td style="text-align: center;">3841</td> <td style="text-align: center;">3892</td> </tr> <tr> <td>Simpson</td> <td style="text-align: center;">3893</td> <td style="text-align: center;">3949</td> </tr> <tr> <td>Arbuckle</td> <td style="text-align: center;">3949</td> <td style="text-align: center;">TD</td> </tr> </tbody> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Heebner	2269	2273	Lansing	2482	2958	Mississippi	3318	3735	Viola	3841	3892	Simpson	3893	3949	Arbuckle	3949	TD
Formation Description																												
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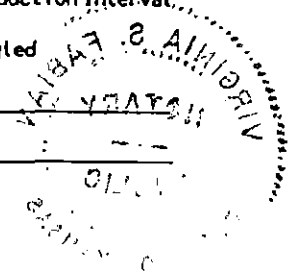
CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8" USED	24#	256'	60/40 Poz	175	class A, 2% c.c.
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 Conmingle

Production Interval _____

Other (Specify) _____



DRILL STEM TEST DATA
ATTACHED TO ACO-1

CONFIDENTIAL

SOURCE PETROLEUM

FEIN "A" #1
App NW NW NE, 22-24S-2W
Harvey County, Kansas

DST #1 3732-70', Hunton
30-30 30-30

1st Open: 1" blow increasing to stron off bottom of bucket in 10 min.

2nd Open: 1" blow increasing to strong off bottom of bucket in 11 min.

Rec: 70' WTRY Mud w/slight scum of oil on top, 800' MDDY SW
chl'r 46,000, mud chl'r 1,000

IHP: 1940 FHP: 1907
IFP: 44-233 FFP: 260-400
ISIP: 1431 FSIP: 1420
BHT 130⁰

RELEASED

JUL 02 1991

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

JUL 28 1990

CONSERVATION DIVISION
Wichita, Kansas

15-079-20645-0000

ORIGINAL

RELEASED



JUL 02 1991

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES
FROM CONFIDENTIAL RECEIVED JUN 15 1990

INVOICE NO.	DATE
000221	06/13/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
EIN A 1		HARVEY		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
REAT BEND		ALLEN DRILLING	PLUG TO ABANDON		06/13/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
28524	MIKE KERN			COMPANY TRUCK	96543

SOURCE PETROLEUM
200 WEST DOUGLAS, SUITE 820
WICHITA, KS 67202

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	46	MI	2.35	108.10 *
090-910	MISCELLANEOUS PUMPING JOB	1	UNT		
604-308	STANDARD CEMENT	84	SK	5.35	449.40 *
606-105	POZMIX A	56	SK	2.79	156.24 *
606-121	HALLIBURTON-GEL 2%	2	SK	.00	N/C *
607-277	HALLIBURTON-GEL BENTONITE	2	SK	13.75	27.50 *
600-207	BULK SERVICE CHARGE	140	CFT	1.10	154.00 *
600-306	MILEAGE CMTG MAT DEL OR RETURN	288.01	TMI	.75	216.01 *
INVOICE SUBTOTAL					1,481.25
DISCOUNT-(BID)					296.24-
INVOICE BID AMOUNT					1,185.01
*-KANSAS STATE SALES TAX					50.37
*-BARTON COUNTY SALES TAX					11.85
VOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,247.23

RECEIVED
STATE CORPORATION COMMISSION
JUN 28 1990
CONSERVATION DIVISION
Wichita Kansas

V-178870
27075-01
71170

DATE 6/15/90
LEASE/WELL
DESCRIPTION
APPROVED

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND

RELEASE
JUL 02 1990

ALLEN DRILLING COMPANY ORIGINAL DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

6 / 13

FROM CONFIDENTIAL
19 90 RIG NO.

WELL OWNER Source Petco LEASE Fein WELL NO. X1

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Harvey STATE Kc.
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3996	4050		Loggers TD 4049	<u>Drive 186</u> DRILLER	<u>Harold Orth</u>		
<u>2 1/2</u>	<u>1 1/2</u>				<u>James Orth</u>		
<u>2 1/2</u>	<u>1 1/2</u>				<u>Wayen Crecy</u>		
<u>2 1/2</u>	<u>2 1/2</u>				<u>Harold Orth Jr</u>		
			<u>change oil & air cleaners Pump</u>				<u>8 hr</u>
			<u>change oil & filter air cleaners P/M</u>				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u>	REMARKS: <u>11:00 to 12:15 Drilling</u>	<u>12:15</u>	<u>12:30</u>	<u>Rick</u>	
SIZE <u>2 1/2</u>	<u>12:30 to 1:30 Drilling</u>	<u>1:30</u>	<u>3:00</u>	<u>CF-50</u>	<u>4050</u>
MAKE <u>Reel</u>	<u>3:00 to 4:30 Survey T-C-T-Log</u>	<u>4:30</u>	<u>7:00</u>		
SERIAL NO. <u>HP 52</u>					
SERIAL NO. <u>1323</u>					
<u>485378</u>					
<u>13434</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
4050	RTD		<u>Drive 186</u>	<u>Mike Kern</u>			
<u>Log</u>	<u>1 1/2</u>		<u>plug hole</u>		<u>Danny Bittel</u>		
<u>prints</u>	<u>3 1/2</u>				<u>Gregory Mohr</u>		
<u>woo</u>					<u>Higinio Payan</u>		
<u>plug</u>	<u>3</u>						

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>7:00-8:30 Log 8:30-12:00 wait on</u>				
SIZE	<u>prints & woo</u>	<u>12:00</u>	<u>3:00</u>	<u>plug hole</u>	
MAKE	<u>lay down collars</u>			<u>trip in to plug ARB</u>	
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
355sk	3900		<u>Drive 186</u>	<u>Marrin Petz</u>			
355sk	600				<u>Robert Stevenson</u>		
355sk	306		<u>Drive 186</u>		<u>Jim Stevenson</u>		
255sk	60		<u>Daylights took</u>		<u>John McMullen</u>		
105sk	Cat Hole		<u>cat Hole</u>				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>By</u>	REMARKS: <u>3:00-11:00 plug hole</u>				
SIZE <u>2 1/2</u>	<u>140sk</u>	<u>60-40</u>	<u>pur</u>	<u>4% gel</u>	
MAKE <u>C.B.</u>	<u>ticket no. 000221</u>	<u>Merton Unruh</u>			
SERIAL NO.	<u>8:45 PM</u>	<u>6-13-90</u>			
SERIAL NO.					

ALLEN DRILLING COMPANY
GREAT BEND, KANSAS

DAILY DRILLING RECORD

ORIGINAL

JUL 02 1941

FOR 24 HOURS ENDING AT MIDNIGHT _____

6/12 FROM CONFIDENTIAL 1941 RIG NO.

WELL OWNER Source Petro LEASE Fein WELL NO. A1

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Harvey STATE K

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
3774	3855			<u>Drove 186</u>				
								<u>Harold Orth</u>
<u>Rig</u>	<u>by</u>		<u>1 1/2 miles</u>					<u>James Orth</u>
<u>CFS</u>	<u>1/4</u>		<u>1 caustic</u>					<u>Wayen Crecacy</u>
								<u>Harold Orth Jr</u>
								<u>8 hr.</u>

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	<u>2</u>	REMARKS: <u>11:00 to 11:15 Rig</u>				
SIZE	<u>7/8</u>	<u>CFS @ 3896 4:30 to 6:00</u>				
MAKE	<u>Reed</u>	<u>1/2 in 6:00 to 6:45 Drilling</u>				
SERIAL NO.	<u>HP 52</u>	<u>CFS @ 2855 6:45 to 7:00</u>				
SERIAL NO.	<u>U-85378</u>					
	<u>HP 123 3/4</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
3855	3916		<u>Drove 186 mi</u>					<u>Mike Kern</u>
<u>CFS</u>	<u>3</u>							<u>Danny Bittel</u>
<u>Rig</u>	<u>1/4</u>							<u>Gregory Mohr</u>
<u>Repairs</u>	<u>1/4</u>							<u>Higinio Payan</u>
<u>Conn</u>	<u>1/4</u>							
<u>Drill</u>	<u>4 1/4</u>							

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	<u>2</u>	REMARKS: <u>7:00 - 8:00 CFS</u>				
SIZE	<u>7/8</u>	<u>8:15 - 9:00 CFS</u>				
MAKE	<u>Reed</u>	<u>9:00 - 9:30 Drill</u>				
SERIAL NO.	<u>HP 52</u>	<u>9:30 - 10:00 Rig work</u>				
SERIAL NO.	<u>U-85378</u>	<u>10:00 - 11:00 Drill</u>				
	<u>HP 123 3/4</u>	<u>11:00 - 12:00 CFS</u>				
	<u>123 1/2</u>	<u>12:00 - 2:45 Drill</u>				
	<u>127 1/2</u>	<u>2:45 - 3:00 CFS</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
3916	3996		<u>Drove 186 miles</u>					<u>Marvin Petz</u>
<u>CFS</u>	<u>2 1/4</u>		<u>6el-10sx</u>					<u>Robert Stevenson</u>
<u>Rig</u>	<u>1/4</u>		<u>COUSHC - 1sx</u>					<u>Danny Bittel</u>
			<u>2ig - 1/2 sx</u>					<u>John McMullen</u>
<u>Drill</u>	<u>5</u>							

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	<u>2</u>	REMARKS: <u>3:00 to 3:45 CFS @ 3916</u>				
SIZE	<u>7/8</u>	<u>3:45 to 5:00 Drill</u>				
MAKE	<u>Reed</u>	<u>5:00 to 6:00 CFS @ 3930</u>				
SERIAL NO.	<u>HP 52</u>	<u>6:00 to 6:15 Rig FP 1/4</u>				
SERIAL NO.	<u>U-85378</u>	<u>6:15 to 8:00 Drill</u>				
	<u>HP 123 3/4</u>	<u>8:00 to 9:00 CFS @ 3962</u>				
	<u>132 1/2</u>	<u>9:00 to 11:00 Drill</u>				

15.079-20645-0000

ALLEN DRILLING COMPANY

GREAT BEND, KANSAS

DAILY DRILLING RECORD

JUL 02 1991

FOR 24 HOURS ENDING AT MIDNIGHT

FROM CONFIDENTIAL 6/11 19 90 RIG NO. 2

WELL OWNER Source Petrol LEASE F-8in WELL NO. A2

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Harvey STATE K

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3654	3752			<u>Drove 186</u> DRILLER	<u>Harold Oath</u>		
<u>Rig & COGN</u>	<u>1/4</u>		<u>1/2 High nit</u> <u>1- Caustic</u>		<u>James Oath</u>		
						<u>Wayen Creacy</u>	
							<u>Harold Oath Jr</u>
<u>Drilled</u>	<u>7 1/4</u>						<u>8hr</u>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u>	REMARKS: <u>11:00 to 12:45 Drilling</u>				
SIZE <u>7 7/8</u>	<u>12:45 to 1:00 R/V 1/2 hr</u>				
MAKE <u>Reed</u>	<u>1:00 to 2:00 Drilling</u>				
SERIAL NO. <u>HP 52</u>					
SERIAL NO. <u>1084, 485378, 1164</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3752	3770			<u>8</u> DRILLER	<u>Marvin Patz</u>		
<u>CFS</u>	<u>2</u>		<u>7- Gal</u> <u>1- Caustic</u> <u>186 miles</u>	<u>8</u>	<u>Danny Bittle</u>		
<u>Short Trip</u>	<u>1</u>		<u>1/2- High nit</u>	<u>8</u>	<u>Gregory Mohr</u>		
<u>CCH</u>	<u>1</u>			<u>8</u>	<u>Higinio Payan</u>		
<u>Survey</u>	<u>1/4</u>						
<u>OUT/Inst</u>	<u>2</u>						
<u>WOT</u>	<u>1</u>						
<u>Drill</u>	<u>3/4</u>						

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u>	REMARKS: <u>7:00 to 8:00 CFS @ 3753</u>				
SIZE <u>7 7/8</u>	<u>8:00 to 9:00 Drill</u>				
MAKE <u>Reed</u>	<u>9:00 to 10:00 CFS @ 3770</u>				
SERIAL NO. <u>HP-52</u>	<u>10:00 to 11:00 Short Trip</u>				
SERIAL NO. <u>U-85378</u>	<u>11:00 to 12:00 CCH</u>				
<u>B + H's</u>	<u>12:00 to 2:00 Strap OUT/Inst</u>				
<u>117</u>	<u>2:00 to 3:00 WOT Tester</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3770	3774			<u>8</u> DRILLER	<u>Marvin Patz</u>		
<u>DST #1</u>	<u>6 3/4</u>		<u>Shoulder</u> <u>Dislocated</u> <u>Drove</u> <u>186 miles</u>	<u>8</u>	<u>Robert Stevenson</u>		
<u>CCH</u>	<u>1</u>			<u>8</u>	<u>Jim Stevenson</u>		
				<u>8</u>	<u>David McMullen</u>		
<u>Drill</u>	<u>1/4</u>			<u>8</u>	<u>Higinio Payan</u>		

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u>	REMARKS: <u>3:00 to 9:45 DST #1</u>				
SIZE <u>7 7/8</u>	<u>9:45 to 10:45 CCH</u>				
MAKE <u>Reed</u>	<u>10:45 to 11:00 Drill</u>				
SERIAL NO. <u>HP-52</u>					
SERIAL NO. <u>U-85378</u>					
<u>B + H's</u>	<u>117 1/4</u>				

ALLEN DRILLING COMPANY

GREAT BEND, KANSAS

RELEASED

15-079-20645-0000

DAILY DRILLING RECORD

JUL 02 1991

FOR 24 HOURS ENDING AT MIDNIGHT

FROM CONFIDENTIAL 6/10 19 90 RIG NO. 2

WELL OWNER Southern Petro LEASE Fein WELL NO. A1

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Harvey STATE Ks

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	
3230	3377			Drove 186				
				DRILLER	Harold Orth			
Rig V	V4		1/2 Lignite		DERRICKMAN	James Orth		
CFS	V4		1/2 Caliche			MOTORMAN	Wayen Crecacy	
AIT	V4						HELPER	Harold Orth Jr
CONN	V6						HELPER	8hr

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 2	REMARKS: 11:00 to 11:45 Drill			11:45 to 12:00 Rig V Khr	
SIZE 7 7/8	12:00 to 3:45 Drill			3:45 to 4:30 CFS 3425	
MAKE Reed	4:30 to 4:45 Drill			4:45 to 5:00 fill Hole Khr	
SERIAL NO. HP-52	5:00 to 7:00 Drill				
SERIAL NO. 89 0-85378					
H.O.B. 952					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	
3377	3375			Drove #6				
				DRILLER	Mike Kern			
Rig V	V4		1/2 Caliche		DERRICKMAN	Danny Bittel		
CFS	1 1/2		10 prem gel			MOTORMAN	Gregory Mohr	
CONN	V4						HELPER	Hipiano Poyan
F.P.							HELPER	
Drill	C							

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 2	REMARKS: 7:00 - 8:15 Drill 8:15 - 8:20 Reed				
SIZE 7 7/8	8:20 - 9:15 - Drill 9:15 - 10:00 CFS 3425				
MAKE Reed	10:00 - 10:15 Drill 10:15 - 11:00 CFS 3432				
SERIAL NO. HP-52	11:00 - 3:00 Drill w/4 hr conn				
SERIAL NO. 952 0-85378					
952 1015					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	
3575	3654			Drove 186 miles				
				DRILLER	Marvin Petz			
Rig	V4		10 - Gel		DERRICKMAN	Robert Stevenson		
Survey	V4		1 - Caustic			MOTORMAN	Jim Stevenson	
FP	V4		1/2 - lignite				HELPER	David McMullen
Drill	7 7/8						HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 2	REMARKS: 3:00 to 4:00 Drill			3588	1/2
SIZE 7 7/8	4:00 to 4:15 Rig Survey				
MAKE Reed	4:15 to 10:15 Drill			10:15 to 10:30 Fill Pre Mix	
SERIAL NO. HP-52	10:30 to 11:00 Drill				
SERIAL NO. 0-85378					
B.F.H.S. 10844					

ALLEN DRILLING COMPANY

GREAT BEND, KANSAS

JUL 02 DAILY DRILLING RECORD

FROM CONFIDENTIAL

FOR 24 HOURS ENDING AT MIDNIGHT 6/19 1990 RIG NO. 2

WELL OWNER Source Petro LEASE Fein WELL NO. 9-1

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Harvey STATE Ks
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	PROVE	DRILLER
2850	2980			186	Harold Orth
Aug	1/4		1/2 lignite		DERRICKMAN James Orth
Set	1/4		1/2 caustic		MOTORMAN Wayne Creasy
CONN	1/4				HELPER * David McMullen
					HELPER 8hr

DRILLING BITS	
RUN NO.	2
SIZE	7 7/8
MAKE	Reed
SERIAL NO.	HP-52
SERIAL NO.	67 U85378
	HonR 76v

CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
REMARKS:	11:00 to 12:00 Pdg	12:00 to 12:15 Rtg 1/4hr		
	12:15 to 3:00 Pdg	3:30 to 3:45 Jet Hole	3:45 to 7:00 Pdg	

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	PROVE	DRILLER
2980	3100			186	Mike Kern
Set Rtg	1/2		1/2 caustic		DERRICKMAN Danny Ribel
FP SH	1/2		1/2 Lrg STATE COMP		MOTORMAN Gregory Mohr
CONN	1/4		106er		HELPER Hipinio Payan
					HELPER

DRILLING BITS	
RUN NO.	22
SIZE	7 7/8
MAKE	Reed
SERIAL NO.	HP-52
SERIAL NO.	U85378
	14/4 812

CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
REMARKS:	7:00 - 8:00 Drill	8:00 - 8:30 Rtg FP		
	Jet hole 1/4 gun	Survey 2°	8:30 - 3:00 Drill	
	1/4 hr. conn			

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	PROVE	DRILLER
3105	3230			186	Marvin Petz
1 Rtg	1/4		1/2 - caustic		DERRICKMAN Robert Stevenson
CONN	1/4		1/2 - lig		MOTORMAN Jim Stevenson
					HELPER David McMullen
					HELPER

DRILLING BITS	
RUN NO.	2
SIZE	7 7/8
MAKE	Reed
SERIAL NO.	HP-52
SERIAL NO.	U-85378
	Rit Hie 84

CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
REMARKS:	3:00 to 4:00 Drill	4:00 to 4:15 Rtg		
	4:15 to 11:00 Drill			

ALLEN DRILLING COMPANY

GREAT BEND, KANSAS

DAILY DRILLING RECORD

JUL 02 1990

FOR 24 HOURS ENDING AT MIDNIGHT FROM CONFIDENTIAL 6-8-1990 RIG NO. 2

WELL OWNER Source Petro LEASE Fein WELL NO. A1

SECTION TOWNSHIP RANGE COUNTY Harvey STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2355	2450		1 Soda Ash	Harold Orth
			5 Caustic	James Orth
			3 Lignite	Harold Orth Jr
			50 gel	Jhr

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 2 SIZE 7 7/8 MAKE Reed SERIAL NO. HP-52 SERIAL NO. 46 1/4 485378 5284	REMARKS: 11:00 to 11:15 Pdlg August 12:15 to 13:45 Pdlg 4:00 to 4:20 Pdlg	11:15 to 12:15 3:45 to 4:00	get water off pits + F.P. Conn get Hole for Mudup		

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2550	2705		1/2 Caustic	Mike Kern
			1/2 Lig	Danny Bittel
			70 Gel	Gregory Mohr
			1000A Ash	Higinio Payan

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 22 SIZE 7 7/8 MAKE Reed SERIAL NO. HP-52 SERIAL NO. 2 485378 523 60	REMARKS: 7:00 - 7:30 RIG, F.P. Breaker, 7:30 - 3:00 DRILL				

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2755	2850		1/2 caustic	Maken Reed
			1/2 Lig	Gregory Mohr
			25 Gel	Jim Stevenson
				David McMullen

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 22 SIZE 7 7/8 MAKE Reed SERIAL NO. HP-52 SERIAL NO. 60 485378 67	REMARKS: 7:00 - 7:30 DRILL, 3:30 - 9:00 RIG & F.P. 4:00 - 10:00 DRILL 10' hr. conns 10:00 - 10:15 F.P. 10:15 - 11:00 DRILL				

15-079-20645-0000

RELEASED

JUL 02 1990

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT FROM CONFIDENTIAL 6-7 19 90 RIG NO. 2

WELL OWNER Source Pet. LEASE Fein WELL NO. A-1

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Harvey STATE Ks

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	PERSONNEL
1560	1935		40 gal 2 Soda ash	186 Drove DRILLER Harold Orth
Rig ✓	V4		P-10L 1 gal @ 1595	DERRICKMAN James Orth
Survey	V4		P-10L 1 gal @ 1752	MOTORMAN Gregory Mohr
Jet	V4		P-10L 1 gal @ 1906	HELPER Harold Orth Jr
CONAI	V2		1 can Dalg Detergent	HELPER 8 hr
Drilled	6 3/4			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY
RUN NO. 7	REMARKS: 11:00 to 11:15 Drilling	11:15 to 11:30 Rig set V4 hr		1783 DEGREES OFF 10
SIZE 7 7/8	11:30 to 3:15 Drilling	3:15 to 3:30 Survey V4 hr		
MAKE Reed	4:00 to 4:15 Jet #1 gun V4 hr	4:15 to 7:00 Dalg		
SERIAL NO. HP-52				
SERIAL NO. 254 U-85378				
32 V2				

FROM	DRILLED TO	FEET DRILLED	FORMATION	PERSONNEL
1935	2155		Drove 186 →	DRILLER Mike Kern
Rig ✓	V4			DERRICKMAN Danny Bittel
Jet	V4			MOTORMAN Gregory Mohr
Repairs	V4			HELPER Higinio Payan
CONAI	V4			
Drill	7			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY
RUN NO. 2	REMARKS: 7:00-7:15 Rig ✓	7:15-8:45 Drill 8:45		
SIZE 7 7/8	9:00 Jet #2 2000	9:00-10:00 Drill 10:00-10:15		
MAKE Reed	Repairs 10:15-7:00	Drill with conai		
SERIAL NO. HP-52				
SERIAL NO. 4 U-85378				
32 V2				

FROM	DRILLED TO	FEET DRILLED	FORMATION	PERSONNEL
2155	2355		Drove 186 Miles	DRILLER Marvin Petz
CFS	V2		1-GAL P-10L @ 2890	DERRICKMAN Robert Stevenson
MT	V4		1-CAN Detergent	MOTORMAN Jim Stevenson
Jet	V4			HELPER David McMullen
Conai	V4			
Drill	6 3/4			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY
RUN NO. 2	REMARKS: 3:00 to 3:30 CFS @ 2155	3:30 to 7:30 Drill		2281 DEGREES OFF 3/4
SIZE 7 7/8	7:30 to 8:00 Survey-Jet #2	8:00 to 11:00 Drill		
MAKE Reed				
SERIAL NO. HP-52				
SERIAL NO. U-85378				
Bit Hrs 46 1/4				

ALLEN DRILLING COMPANY DAILY DRILLING RECORD

GREAT BEND, KANSAS

FROM CONFIDENTIAL

FOR 24 HOURS ENDING AT MIDNIGHT

WELL OWNER Source Pet LEASE Frin RIG NO. 2

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Harvey STATE K

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
762	1050			186 Miller	Harold Orth			
CFS	1/4		1 can of Dalg. Detergent		James Orth			
Survey	1/4		1 gal of P-10L @ 900			Wayen Creeacy		
Jet	1/2		1 gal @ 1050 P10L				Harold Orth Jr	
PUMP	1/2							
5 1/2								8 hr

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u>	REMARKS: <u>11:00 to 12:15 CFS 1 1/2 hr</u>			<u>794</u>	<u>3/4</u>
SIZE <u>7 3/8</u>	<u>12:15 to 12:45 Drilling</u>				
MAKE <u>Reed</u>	<u>12:45 to 1:00 Survey 1/2 hr</u>				
SERIAL NO. <u>HP-52</u>	<u>1:00 to 2:00 Dalg. 1 hr</u>				
SERIAL NO. <u>U-85378</u>	<u>2:00 to 2:15 Jet #2 1/2 hr</u>				
<u>H.O.B. 1334</u>	<u>2:15 to 4:45 Dalg. 2 1/2 hr</u>				
	<u>4:45 to 5:00 Jet #1 1/2 hr</u>				
	<u>5:00 to 5:15 Dalg. 1/2 hr</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
1050	1320		Drive 186 mi	Mike Kern				
Rig	1/4		1 Drilling Detergent		Danny Bittel			
Jet	3/4		1 gal P-10L @ 1200			Gregory Mohr		
SHR	1/2		STATE COMMISSION				Higinio Payan	
CONN	1/2		26 1990					
DRILL	5 1/4		CONSERVATION DIVISION					

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u>	REMARKS: <u>7:00 - 7:15 Rig Jet #2</u>				
SIZE <u>7 3/8</u>	<u>Drill 10:45 - 11:00 Jet #1 add 1 gal P10L 199</u>				
MAKE <u>Reed</u>	<u>11:00 - 1:30 Drill 1:30 - 1:45 Jet #2</u>				
SERIAL NO. <u>HP-52</u>	<u>Drill 2:45 - 3:00 SHR</u>				
SERIAL NO. <u>U-85378</u>					
<u>1334 20</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
1320	1560		Drive 186 miles	Marvin Petz				
Rig	1/4		- Drilling Detergent		Robert Stevenson			
Pump	1 1/2		- gal P-10L @ 1410			Jim Stevenson		
Jet	1/4		25 - Gel				David McMullen	
CONN	1/4		1 - Soda Ash					
Drill	5 3/4							

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u>	REMARKS: <u>3:00 to 3:15 Rig + Survey</u>			<u>1320</u>	<u>10</u>
SIZE <u>7 3/8</u>	<u>3:15 to 5:30 Drill</u>				
MAKE <u>Reed</u>	<u>5:30 to 7:00 Workover Pump</u>				
SERIAL NO. <u>HP-52</u>	<u>7:00 to 9:00 Drill</u>				
SERIAL NO. <u>U-85378</u>	<u>9:00 to 9:15 Jet #1</u>				
<u>Bit Hcs 25 3/4</u>					

15-079-20645-0000

ALLEN DRILLING COMPANY

JUL 02 1990 DAILY DRILLING RECORD

GREAT BEND, KANSAS

FROM CONFIDENTIAL 6-5 19 90 RIG NO. 2

FOR 24 HOURS ENDING AT MIDNIGHT

WELL OWNER Source Petru LEASE FCIA WELL NO. A-1

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Harvey STATE Ks

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	PERSONNEL
264				186 Drove DRILLER
C.H. + S.H.	1/2 hr			DERRICKMAN
Tool + Rig	3/4 hr			MOTORMAN
Circ + w/c	2 1/4 hr			HELPER
S.M. + C.	1/4		6 jobs of MSD 8 5/8 24"	HELPER
WOC	3/4		Set @ 2:58	HELPER
			Plug Down @ 3:15	
			Halliburton	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 11:00 to 11:30 CCH + Jct, Survey 1/2 hr, Run + cement 11:30 to 12:15 3/4 hr				
SIZE	Circ + w/c cat 12:15 to 3:00 2 1/4 3:00 to 3:15 Cementing				
MAKE	Plug Down @ 3:15 AM. 3:15 to 7:00 WOC				
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	PERSONNEL
250	265		drive 186	DRILLER
265	4310		250d9	DERRICKMAN
WOC	4 1/4		306el	MOTORMAN
plug	1/4			HELPER
COANS	1/4			HELPER
PUMP	1/2 3/4			
Drill	2 3/4			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 7:00 to 11:15 WOC 11:15 to 11:30 Drilling plug				
SIZE	11:30 to 11:45 pump 11:45 to 12:30 Drill 12:30				
MAKE	12:45 pump 12:45 to 3:00 Drill 1 1/4 hr. COANS				
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	PERSONNEL
265	762		STATE CORP. Drove 186 miles	DRILLER
VRig	7/4			DERRICKMAN
Jet	1/4			MOTORMAN
CFS	1 1/2			HELPER
CONN	1/2			HELPER
Drill	5 1/2			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 3:00 to 3:15 VRig 3:15 to 5:30 Drill				
SIZE	5:30 to 5:45 Jet #1 5:45 to 9:30 Drill				
MAKE	9:30 to 11:00 CFS @ 762				
SERIAL NO.					
SERIAL NO.					

Bit Hrs 8 1/4

15-079-20645-0000

ALLEN DRILLING COMPANY

GREAT BEND, KANSAS

DAILY DRILLING RECORD

JUL 02 1991

FROM CONFIDENTIAL 19 90 RIG NO. 2

FOR 24 HOURS ENDING AT MIDNIGHT

WELL OWNER _____ LEASE _____ WELL NO. _____

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY _____ STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
				8	8	8	8	
				Harold ORTH				
				David ORTH				
				Wayne Crecy				
				Harold ORTH JR				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>Move Rig</u>				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
				10	10	12	12	
				Mike Rein				
				Danny Bitter				
				Gregory Mohr				
				Higinio Poyon				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>100-3.00 Rig up</u>				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
0	265			8	8	8	8	
Rig up	3		25-Gel	Marvin Petz				
Mud	1 1/2		4-Lime	Robert Stevenson				
Rat Hole	1/2		12-Hulls	Jim Stevenson				
Bit Tip	1/2			David McMullen				
Conn	3/4							
Drill	1 3/4		Spud @ 8:00 pm					

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>3:00 to 6:00 Rig up</u> <u>6:00 to 7:30 mix mud</u>				
SIZE	<u>7:30 to 8:00 Drill Rat Hole</u> <u>8:00 to 8:30 Drill</u>				
MAKE	<u>8:30 to 9:00 pull Augged Bit</u> <u>9:00 to 11:00 Drill</u>				
SERIAL NO.					
SERIAL NO.					

RECEIVED
STATE COMMISSION
JUL 28 1990