



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1088545

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	Yates A 2
Doc ID	1088545

Tops

Name	Top	Datum
Heebner	3792	-2392
Stark	4480	-3080
Base Kansas City	4543	-3143
Cherokee	4699	-3299
Mississippian	4743	-3343
Kinderhook	4494	-3594
Viola	5153	-3753
Simpson	5244	-3844
Simpson Sand	5265	-3865
Total Depth	5440	-4040



PAGE	CT NO	INVOICE DATE
1 of 1	1000719	06/01/2010
INVOICE NUMBER		
1718 - 90328345		

Pratt (620) 672-1201
 B CHIEFTAIN OIL COMPANY
 I PO Box: 124
 L KIOWA
 L KS US 67070
 T
 O ATTN:

J LEASE NAME Yates "A" 2
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40189169	19905		Net - 30 days	07/01/2010

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/29/2010 to 05/29/2010</i>				
0040189169				
171802077A Cement-New Well Casing/Pi 05/29/2010				
Cement	340.00	EA	5.40	1,835.85 T
60/40 POZ				
Calcium Chloride	879.00	EA	0.47	415.29 T
Additives	85.00	EA	1.66	141.51 T
Cello-flake				
Mileage	100.00	MI	3.15	314.97
Heavy Equipment Mileage				
Pickup	50.00	HR	1.91	95.62
Unit Mileage Charge-Pickus, Vans & Cars				
Mileage	733.00	MI	0.72	527.71
Proppant and Bulk Delivery Charge				
Mileage	340.00	MI	0.63	214.18
Blending & Mixing Service Charge				
Pump Charge-Hourly	1.00	HR	449.96	449.96
Depth Charge; 0-500'				
Supervisor	1.00	HR	78.74	78.74
Service Supervisor				

ENTERED
 JUN 07 2010
 9121 BC

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,073.83
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	150.74
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	4,224.57
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 02077/A

36-345-12W

DATE _____ TICKET NO. _____

DATE OF JOB: 5-29-10		DISTRICT: Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: Chieftain Oil Company, Incorporated				LEASE: Yates "A"				WELL NO. 2	
ADDRESS:				COUNTY: Barber		STATE: Kansas			
CITY:				STATE:		SERVICE CREW: C. Messick; M. Mattal; E. Marquez			
AUTHORIZED BY:				JOB TYPE: C.N.W. - Conductor					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19,866	.5						5-28-10	AM	8:30
						ARRIVED AT JOB	5-28-10	AM	9:30
19,903-19,905	.5					START OPERATION	5-29-10	AM	12:45
						FINISH OPERATION	1	AM	1:15
19,831-19,862	.5					RELEASED	5-29-10	AM	1:30
						MILES FROM STATION TO WELL	50		

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 Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP 103	60/40 Poz Cement	sh	340	\$	4,080 00
P CC 102	Cellflatre	Lb	85	\$	314 50
P CC 109	Calcium Chloride	Lb	879	\$	922 95
P E 100	Pickup Mileage	mi	50	\$	212 50
P E 101	Heavy Equipment Mileage	mi	100	\$	700 00
P E 113	Bulk Delivery	tm	733	\$	1,172 00
P CE 200	Cement Pump: 0 Feet To 500 Feet	Job	1	\$	1,000 00
P CE 240	Blending and mixing Service	sh	340	\$	476 00
P S003	Service Supervisor	Job	1	\$	175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		\$	4,073 83
SERVICE & EQUIPMENT	%TAX ON \$		DLS
MATERIALS	%TAX ON \$		
TOTAL			

Tony J. Lewis

SERVICE REPRESENTATIVE: <i>Arlene R. Messick</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
--	---

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Chieftain Oil Company, Incorporated	Lease No. Well # 2	Date 5-29-10
Lease Yates "A"	Field Order # 2077	Station Pratt, Kansas
Casing 13 7/8"	Depth 54.5 lb. 312 Feet	County Barber
Type Job C.N.W. - Conductor	Formation	State Kansas
Legal Description 36-345-12W		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 13 7/8"	Tubing Size 5 1/2"	Shots/Ft 1	340 sacks	60/40 Poz	with	RATE	PRESS	ISIP
Depth 312 Feet	Depth	From	28 Gal.	38 Calcium Chloride	Max	5 Lb./St.	5 Min.	Cell flate
Volume 48.2 Bbl.	Volume	From	To 14.7 Lb.	5.7 Gal.	Min	1.25 CU.FT.	10 Min.	SK.
Max Press 350 PSI	Max Press	From	To		Avg		15 Min.	
Well Connection 2 7/8 Sucker and 2 1/2" Wire	Annulus Vol.	To			HHP Used		Annulus Pressure	
Plug Depth 300 Feet	Packer Depth	From	To	Flush 46 Bbl. Fresh Water	Gas Volume		Total Load	

Customer Representative Terry Cummins	Station Manager David Scott	Treater Clarence R. Messick
--	--------------------------------	--------------------------------

Service Units	19,866	19,903	19,905	19,831	19,862				
Driver Names	Messick	Mattal	Marquez						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:30					Trucks on location and hold safety meeting.
10:40					Maverick Drilling start to run 8 Joints new 54.5 Lb./Ft. 13 7/8" casing.
12:20					Casing in well. Circulate for 15 minutes.
12:43	300			5	Start Fresh water Pre-Flush.
	300		10	5	Start mixing 340 sacks 60/40 Poz cement.
	150		85	5	Start Fresh water displacement.
1:05	350		131		Stop pumping. Shut in well.
					circulated 5 sacks cement to the pit.
					Wash up pump truck
1:30					Job Complete.
					Thank You.
					Clarence, Milte, Edmundo



PAGE	CT NO	INVOICE DATE
1 of 2	1000719	06/22/2010
INVOICE NUMBER		
1718 - 90342805		

Pratt (620) 672-1201
 B CHIEFTAIN OIL COMPANY
 I PO Box: 124
 L KIOWA
 L KS US 67070
 T
 O ATTN:

J LEASE NAME Yates A-2
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40197478	20920		Net - 30 days	07/22/2010
For Service Dates: 06/09/2010 to 06/09/2010				
0040197478				
17182127AR Cement-New Well Casing/Pi 06/09/2010				
5 1/2" Longstring				
Cement		200.00	EA	10.37
AA2 Cement				2,073.90
Cement		50.00	EA	7.32
60/40 POZ				365.98
Additives		38.00	EA	2.44
De-foamer (Powder)				92.72
Additives		990.00	EA	0.30
Salt (Fine)				301.94
Additives		188.00	EA	3.14
Gas-Blok				590.57
Additives		151.00	EA	4.57
FLA-322				690.79
Additives		1,000.00	EA	0.41
Gilsonite				408.68
Cement Float Equipment		1.00	EA	243.99
Latch Down Plug & Baffle 5 1/2" (Blue)				243.99
Cement Float Equipment		1.00	EA	219.59
Auto Fill Float Shoe 5 1/2" (Blue)				219.59
Cement Float Equipment		7.00	EA	67.10
Turbolizer 5 1/2" (Blue)				469.68
Cement Float Equipment		2.00	EA	176.89
5 1/2" Basket (Blue)				353.78
Additives		5.00	EA	21.35
CS-1L KCL Substitute				106.74
Additives		500.00	EA	0.52
Mud Flush				262.29
Additives		500.00	EA	0.93
Super Flush II				466.63
Pickup		50.00	HR	2.59
				129.62

ENTERED
 JUN 29 2010
 9121 BC

10,335.11



PAGE	CT NO	INVOICE DATE
2 of 2	1000719	06/22/2010
INVOICE NUMBER		
1718 - 90342805		

Pratt (620) 672-1201
 B CHIEFTAIN OIL COMPANY
 I PO Box: 124
 L KIOWA
 L KS US 67070
 T
 O ATTN:

J LEASE NAME Yates A-2
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
40197478	20920			Net - 30 days	07/22/2010
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Unit Mileage Charge-Pickups, Vans & Cars					
Mileage		100.00	MI	4.27	426.98
Heavy Equipment Mileage					
Mileage		578.00	MI	0.98	564.10
Proppant and Bulk Delivery Charges					
Pump Charge-Hourly		1.00	HR	1,756.71	1,756.71
Depth Charge; 5001-6000'					
Mileage		250.00	MI	0.85	213.49
Blending & Mixing Service Charge					
Cementing Head w/Manifold		1.00	EA	152.49	152.49
Plug Container Utilization Charge					
Supervisor		1.00	HR	106.74	106.74
Service Supervisor					
PLEASE REMIT TO:		SEND OTHER CORRESPONDENCE TO:		SUB TOTAL	9,997.41
BASIC ENERGY SERVICES, LP		BASIC ENERGY SERVICES, LP		TAX	337.70
PO BOX 841903		PO BOX 10460		INVOICE TOTAL	10,335.11
DALLAS, TX 75284-1903		MIDLAND, TX 79702			



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 2127 AR

DATE TICKET NO CONT

DATE OF JOB <u>06-09-10</u> DISTRICT <u>PRATT</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER <u>ATOLZ Oil Co.</u>		LEASE <u>YATES</u>		WELL NO. <u>A-2</u>				
ADDRESS <u>Chieftain Oil Company</u>		COUNTY <u>BARBER</u>		STATE <u>KS</u>				
CITY STATE		SERVICE CREW <u>Sullivan, Malsang, Rouse</u>						
AUTHORIZED BY		JOB TYPE: <u>CNW 5 1/2 L.S.</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>06-08-10</u> DATE	AM	TIME
<u>19959/20820</u>	<u>50 min</u>						<u>PM</u>	<u>2300</u>
<u>19826/19860</u>	<u>50 min</u>					ARRIVED AT JOB <u>06-09-10</u>	<u>PM</u>	<u>0800</u>
<u>19827</u>						START OPERATION	<u>AM</u>	<u>0800</u>
						FINISH OPERATION	<u>AM</u>	<u>0950</u>
						RELEASED <u>06-09-10</u>	<u>AM</u>	<u>0915</u>
						MILES FROM STATION TO WELL		<u>50</u>

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 additions or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA-2 cmt	SK	200		3,400 00
CP 103	60/40 p02 cmt	SK	50		600 00
CC 105	Dr-foamed	16	38		152 00
CC 111	Salt	16	990		495 00
CC 115	PAK-Bldk	15	188		968 20
CC 129	FLA-322	16	151		1,132 50
CC 201	Gilsonite	16	1,000		670 00
CF 607	Latch down Baffle w/ Plug 5 1/2	EA	1		400 00
CF 1251	Auto Fill shoe w/ consent	EA	1		360 00
CF 1651	Turbolizer	EA	7		270 00
CF 1901	Basket	EA	2		580 00
C 204	CS-1 Kcl Sub	gal	5		125 00
CC 151	mud flush	gal	500		430 00
CC 155	Super Fluid II	gal	500		266 00
E 100	pickup miliga	mi	50		212 50
E 101	Heavy eqmt miliga	mi	100		200 00
E 113	Bulk Delivery	mm	578		924 00
CE 206	Depth change 500'-600'	EA	1		2,880 00
CE 240	Blending / mixing change	SK	250		350 00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

46

SERVICE REPRESENTATIVE Robert Jellens

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASIC SM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 ~~02198~~ A

DATE TICKET NO. 02127A

DATE OF JOB <u>06-09-10</u>		DISTRICT <u>PRATT</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER <u>Maz Oil Co</u>				LEASE <u>YATES</u>			A-2 WELL NO.		
ADDRESS <u>Chieftain Oil Company</u>				COUNTY <u>BARBER</u>			STATE <u>KS</u>		
CITY STATE				SERVICE CREW					
AUTHORIZED BY				JOB TYPE: <u>CPW 5 1/2 L.S.</u>					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>19959/20920</u>	<u>50 min</u>						<u>06-08-10</u>		
<u>19826/19860</u>	<u>50 min</u>					ARRIVED AT JOB	<u>06-09-10</u>	PM	<u>0100</u>
<u>19867</u>						START OPERATION		PM	<u>0800</u>
						FINISH OPERATION		PM	<u>0840</u>
						RELEASED	<u>06-09-10</u>	PM	<u>0915</u>
						MILES FROM STATION TO WELL			<u>50</u>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<u>CE 504</u>	<u>plug container Rental</u>	<u>EA</u>	<u>1</u>		<u>250 00</u>
<u>S 003</u>	<u>Scraper Supervisor</u>	<u>EA</u>	<u>1</u>		<u>175 00</u>

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL	<u>VG</u>	<u>9,992.41</u>

SERVICE REPRESENTATIVE [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <u>Chieftain Oil Company</u>		Lease No. <u>MOLE OIL CO</u>	Date <u>06-09-10</u>	
Lease <u>YATES</u>		Well # <u>A-2</u>		
Field Order # <u>2127</u>	Station <u>PRATT</u>	Casing <u>5 1/2</u>	Depth <u>5438'</u>	County <u>BALDER</u> State <u>KS</u>
Type Job <u>CNW 5 1/2 Ls</u>		Formation		Legal Description <u>36-34-12</u>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<u>5 1/2</u>							
Depth <u>5438</u>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <u>128</u>	Volume	From	To	Pad	Min		10 Min.
Max Press <u>2,000</u>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <u>P.C.</u>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <u>5394</u>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative		Station Manager <u>DAVE SCOTT</u>		Treater <u>Robert Sullivan</u>	
Service Units	<u>19867</u>	<u>19959</u>	<u>20920</u>	<u>19826</u>	<u>19860</u>
Driver Names	<u>Sullivan</u>	<u>Melson</u>	<u>Roush</u>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>0100 Am</u>					<u>on bc safety meeting</u>
					<u>Run 129 5.75 5 1/2 15.5 csg</u>
					<u>Baskets #2-12 cont. 4, 10, 14, 16, 17, 18-a</u>
<u>0650</u>					<u>Casing on Bottom</u>
<u>0700 Am</u>					<u>Hooked Rig to Circ</u>
<u>0800</u>	<u>200</u>		<u>12</u>	<u>4</u>	<u>Start mud flush</u>
			<u>5</u>		<u>Start SPACER</u>
			<u>12</u>		<u>Start Super Flush</u>
			<u>5</u>		<u>Start SPACER</u>
			<u>51</u>	<u>5.5</u>	<u>mix 200 sk AA-2 cont</u>
					<u>shut down cont mix. wash, pump, line</u>
					<u>Release Plug</u>
<u>0820</u>				<u>6.5</u>	<u>Start Deep</u>
	<u>300</u>		<u>93</u>		<u>lift psi</u>
	<u>550</u>			<u>5</u>	<u>slow later</u>
<u>0840</u>	<u>1800</u>		<u>128</u>	<u>4.5</u>	<u>plug down</u>
			<u>7</u>		<u>plug R.H w/ 30sk 60/40 pc</u>
			<u>5</u>		<u>plug M.H w/ 20 sk P12</u>
					<u>job complete</u>
					<u>Thank you</u>

Arden Ratzlaff

PETROLEUM GEOLOGIST

Phone: 262-8938

107 N. Market - 808 Bittng Bldg. Wichita, KS 67202

DRILLING TIME

AND

SAMPLE LOG

COMPANY **CHIEFTAIN OIL CO., INC.**

LEASE **YATES No. 2**

FIELD **STRANATHAN**

LOCATION **NE SW SE SE**

SECTION **36** TOWNSHIP **34S** RANGE **12W**

COUNTY **BARBER** STATE **KANSAS**

CONTRACTOR **MAVERICK** RIG **NL 10A**

COMMENCED DRILLING **5-28-10**

COMPLETED DRILLING **6-07-10**

RTD **5441** FEET LTD **5440** FEET

MUD UP AT **3500** FEET MUD TYPE **CHEMICAL**

ELEVATIONS

KB **1400**

IF **1398**

Q **1391**

Measurements Are All
From **K.B.**

CASING

1 3/8" @ 312' W 340 SX

5 1/2" @ 5438' W 200 SX

ELECTRICAL SURVEYS

SUPERIOR - GAMMA RAY DUAL
INDUCTION COMPENSATED MERTON
DENSITY & P.F. CALIPER

FORMATION TOPS

SAMPLE

ELECTRIC LOG

RESERVOIR
STARK
BASE KANSAS CITY
CHEROKEE
MISSISSIPPIAN
KIMBERLY
FIELD
SIMPSON
SIMPSON SAND
TOTAL DEPTH

3792 (-2392)
4480 (-3080)
4546 (-3144)
4699 (-3299)
4750 (-3350)
4994 (-3594)
5151 (-3751)
5241 (-3841)
5264 (-3864)
5441 (-4041)

3792 (-2392)
4480 (-3080)
4546 (-3144)
4699 (-3299)
4748 (-3348)
4904 (-3504)
5153 (-3753)
5244 (-3844)
5265 (-3865)
5440 (-4040)

REMARKS AFTER ANALYZING ALL OF THE PERTINENT INFORMATION GATHERED WHILE DRILLING, IT WAS THE DECISION THAT PRODUCTION
CASING BE SET EXPECTING A VERY GOOD PRODUCING WELL

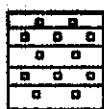
Arden Ratzlaff, Petroleum Geologist

NOTE! AMTIVE AMERICAN FURNISHED THE MUD - SAMPLES DEPOSITED AT THE K.C. & SNEY

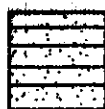
LEGEND



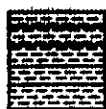
Anhydrite



Salt



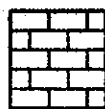
Sandstone



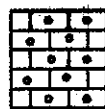
Shale



Carb sh



Limestone



Dol. Line



Chert



Dolomite

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Increases



LITHOLOGY

SAMPLE DESCRIPTIONS

REMARKS

DEPTH

3400

20

40

60

80

3500

20

40

60

80

3600

SAMPLE DESCRIPTIONS

REMARKS

SH-100 TO 102 GRY GRN-GRN L MED W
MICE TRAIL BDN FALVIN SUB-CHUKY TO
DENSE HARD LIM

1 M-10 GRY BDN G GRN-GRN FALVIN
DENSE MIDDLE ARGILL IN PART W MED
L D GRY & DARE GRY-GRN IN

SH-102 TO 104 GRY SILTY W L M AS
ABOVE

SH-104 MED GRY W LBY-SH & ARGILL L M
AS ABOVE

SH-105 MED & DV GRY SH GRY-GRN W SCRY
MICE SUB-CHUKY TO BDN FALVIN
DENSE HARD ARGILL IN PART LIM

SH-106 AS ABOVE W SCRY BLK TO CRSS SH
MICE CRN MICE TRAIL & BDN FALVIN SUB-
CHUKY TO DENSE HARD LIM

20

100% AS ABOVE IN TRAIL & BAN EN YLN DENSE HARD LM

40

SM-MED TO DK GRAY & DARK BLK Y SILTY IN BUCC TON & BAN EN YLN GALL SUB-CHALKY TO DENSE HARD LM

60

(SILT) SILTY INHLET GRAY TO TINY CLAY Y BK QTY GRAINLS WHEN BROKEN. BOLD FOL. & BOLD HIL. BOLD N. S. - SOFT HARD TO DK GRAY & GRAY-GRN SH

80

SILTY LT GRAY TO DARK SILTY QTY GREENS IMBEDDED BOLD TO TR. FAIR FOR N. S. PLUS MED TO DK GRAY SH

5700

SILT AS ABOVE IN TRAIL & BAN EN YLN. BOLD DENSE HARD LM BOLD MED TO DK GRAY GRAY-COM & BLK (COM IN PART) SH

20

SH-MED GRAY SCOT GRAY-GRN TO BK BLUE SCOT GRAY TO BK BOLD DENSE HARD LM & COM SILTY AS ABOVE

40

SH-MED TO DK GRAY BLK (COM IN PART) GRAY-COM IN SCOT BLUES GRAY TRAIL BAN. SILTY-CHALKY TO DENSE & HARD PLUS COM SILTY AS ABOVE

60

SH AS ABOVE - STILL FOR BLK. COM BLUES BLUES GRAY & TRAIL EN YLN. SUB-CHALKY TO DENSE HARD LM - STILL SILTY AS ABOVE

80

SH IN SCOT / BLK AS ABOVE

HEEDNER 3792 -2392

3800

SH-MED GRAY TO SILTY IN SCOT DK GRAY & BLK - SCOT LM & SILTY AS ABOVE

20

100% CRM. BLUE GRAY & TRAIL EN YLN. SILTY-CHALKY TO DENSE & HARD IN SCOT. BLK

40

60

80

3900

20

40

60

80

4000

20

40

1.00-1.50 FT. GRAY & GRAY-GREEN SILT

1.00-1.50 FT. GRAY & GRAY-GREEN SILT
WITH SOME FINE SAND & GRAVEL IN
MIDDLE. GRAY-GREEN SILT CORR. SILT

SILT AS ABOVE WITH FINE SAND & GRAVEL
WITH SOME FINE TO MEDIUM SAND & GRAVEL

1.00 FT. SILT AS ABOVE

1.00 FT. GRAY & GRAY-GREEN SILT WITH
SOME FINE SAND & GRAVEL IN MIDDLE
AND TO TOP. GRAY-GREEN SILT

SILT AS ABOVE WITH FINE SAND & GRAVEL
WITH SOME FINE TO MEDIUM SAND & GRAVEL

SAME AS ABOVE

SILT AS ABOVE WITH FINE SAND & GRAVEL
WITH SOME FINE TO MEDIUM SAND & GRAVEL

SAME AS ABOVE WITH FINE SAND & GRAVEL
WITH SOME FINE TO MEDIUM SAND & GRAVEL
WITH SOME FINE TO MEDIUM SAND & GRAVEL

SAME AS ABOVE WITH FINE SAND & GRAVEL
WITH SOME FINE TO MEDIUM SAND & GRAVEL

SILT AS ABOVE WITH FINE SAND & GRAVEL
WITH SOME FINE TO MEDIUM SAND & GRAVEL

60
80
4100
20
40
60
80
4200
20
40

SAME AS ABOVE

SIL. MED. GR. V. SCOT. TO SIL. FINE M. SCOT.
BY GR. & GR. GRN. PLANK. SOME BUCK
TIN. & BUL. EN. YIN. FINE. SIL. CHLEY
TR. DR. DR. DR. HARD. L.M.

SIL. AS ABOVE IN SCOT. BUCK & TR. TIN. EN
YIN. SIL. CHLEY TO DR. DR. HARD. L.M.

SIL. MED. GR. & GR. GRN. TR. BUL. IN SCOT.
L.M. AS ABOVE

SAME AS ABOVE IN V. SCOT. BUL. IN YIN.
WASS. THINSE. HARD. L.M.

SIL. MED. GR. & GR. GRN. IN V. SCOT.
CAR. BUCK & TR. EN. YIN. DR. DR.
HARD. L.M.

SIL. AS ABOVE. SIL. SIL. IN BUL. & L.M. AS
AS ABOVE.

SIL. MED. GR. GR. GRN. TR. DR. GR. &
BUL. IN V. SCOT. BUCK & TR. EN. YIN. DR.
DR. DR. HARD. L.M.

SIL. L.M. AS ABOVE

SIL. MED. TO DR. GR. V. SCOT. BUL. TR.
SIL. & TR. GR. TEST IN BUL.

SIL. MED. TO DR. GR. GR. GRN. & BUL. IN
IN V. SCOT. BUCK & TR. EN. YIN. DR.
DR. DR. HARD. L.M.

60

80

4300

20

40

60

80

4400

20

40

60

SAME AS ABOVE

SH-RED TO DR GRY GRY-GRA TO BLK
W. V. SGT TRIL & BRN EN YAL DENSE
HARD IN

SH-BLK V. COBB (RAB GAS BUBBLES)
W. SILE IN AS ABOVE

LANSING-K.C. 4511
-2911

LM-BLUE GRY TAN & BRN EN YAL SUB-
TO DENSE & HARD IN AND SH AS ABOVE

LM AS ABOVE - DENSE (HARD
STILL CONSIDERED TO BE GRY & BLK (COBB)
EASY IN PART SH

LM-BLUE GRY TAN & BRN EN YAL SUB-
CALKY TO DENSE & HARD IN AND SH AS
ABOVE

LM-IMM. CRM. BLUE GRY & TAN EN YAL
SUB-CALKY & SORT CALKY TO DENSE &
HARD IN CONS SH AS ABOVE

LM-IMM. CRM. BLUE GRY & TAN EN YAL
CALKY & SUB-CALKY TO DENSE & HARD IN
V. SGT AT GRN. SGT. SUB-TRANSI
CALKY

LM-IMM. CRM. BLUE GRY TAN & BRN
EN YAL SUB-CALKY & TR CALKY TO DENSE
& HARD IN SGT SH AS ABOVE

LM-IMM. CRM. BLUE GRY & TAN EN YAL SUB-
CALKY & TR CALKY TO DENSE & HARD. SGT
IN AS ABOVE

LM AS ABOVE IN SGT TAN EN YAL IN
SHP. TO GOOD DENSE TO CRM. DENSE
N.S. BLK TO LY GRY. FRESH SHAR. SUB-
TRANSI. DENSE TO BLK COBB IN

80
4500
20
40
60
80
4600
20
40
60
80

STARK 4480

-3080

SM. BLK. CORR. W/ BUE. GR. & TAN. EN. YIN
SUB-CHLKY TO DENSE. HARD. CURT. IN
10' L. GR. & GR. - GR. SU

BIT TRIP @ 4486'
STRAP PINE @ 4486'
BOARD 4515'89"
STRAP 4515'89"
STRAP SHORT .80'

MUSHPUCKNEY 4511

-3111

23 UNITS

10' W/ & CR. CHLKY IN PART TO P. 10'
BUE. GR. & TAN. EN. YIN. TAN. - CHLKY TO
DENSE. HARD. CURT. IN

10' W/ & CR. BUE. EN. YIN. CHLKY &
SUB-CHLKY TO DENSE. HARD. CURT. IN
BLK. CORR. SU

BASE K.C. 4508

-3144

SU. MED. TO DV. GR. GR. GR. BLK. CORR.
IN PART. 10' AS ABOVE

10' CR. BUE. GR. TAN. EN. YIN.
SUB-CHLKY TO CHLKY TO DENSE & JAMED
W. MED. TO DV. GR. BLK. CORR. TO TAN. GR.

10' AS ABOVE

SM. GR. W. MED. TO DV. GR. & BLK. PLUS
CORR. BUE. GR. & TAN. EN. YIN. SUB-CHLKY
TO DENSE. HARD. IN

ALTAMONT 462A

-3224

10' AS ABOVE IN SUB-GR. TAN. SL. GR.
TAN. EN. YIN. SEMI-GR. CURT. W. GR.
AS ABOVE

10' W/ & CR. BUE. GR. TAN. EN. YIN.
CHLKY & SUB-CHLKY TO DENSE & HARD.

PANNEE 4661

-3261

20 UNITS

SU. DV. GR. BLK. (PARTY CORR.) GR.
W. 10' AS ABOVE - BOOR. TO TAN. W/.

SM. BLK. CORR. W/ DV. GR. PLUS BUE. GR.

4700
20
40
60
80
4800
20
46
66
86

CHEROKEE 4630

-3299

30 UNITS

SH. BLK. V. P. (GR. BUBBLES) SORT BY
GRY & GRN. W. GRN. BUST. GRY. TRN. TR. BBN.
EN. VLN. SUB. CULVY TO DENSE. HARD IN.

1 IN. COIL. BLK. GRY & TRN. EN. VLN. PROD
DENSE & HARD IN SORT. HARD TR. GRY.
GRN. & SH. BLK. PAPA. SU.

MISSISSIPPIAN 4750

-3350

100+ UNITS

(700) CURT. UNCL. GRY. BRS. LY. DENSE &
HARD. BUST. DENT. FOR. W. GRN. GRY. TRN. TR.
BUST. & VLN. FOR. TRN. & BBN. SORT. TR.
TR. TRN. GAS. BUBBLES & TRN. OIL. PRODUCT.
WHEN. BRACK. OR. BROWN. GOLDEN. HIDE.
GOOD. ODR.

100+ UNITS

(700) CURT. UNCL. GRY. BRS. LY. DENSE. GRABING.
TR. BUST. & DENT. & HARDSH. TR. BBN.
BUST. HIDE. GRN. BBN. PROD. W. HARDSH. & VLN.
BUST. SORT. TR. TRN. TR. GAS. BUBBLES
& TRN. OIL. PRODUCT. (LITTLE. IN. BERT).
OIL. FILM. OIL. HIDE. BUST. GRY. TRN. TR.
GOOD. ODR.

100+ UNITS

(700) CURT. UNCL. GRY. BRS. LY. DENSE. GRABING.
TR. BUST. & DENT. & HARDSH. TR. BBN.
BUST. HIDE. GRN. BBN. PROD. W. HARDSH. & VLN.
BUST. SORT. TR. TRN. TR. GAS. BUBBLES
& TRN. OIL. PRODUCT. (LITTLE. IN. BERT).
OIL. FILM. OIL. HIDE. BUST. GRY. TRN. TR.
GOOD. ODR.

30 UNITS

CURT. SORT. CHAT. AS. GRN. BUST. BRS. LY.
W. GRN. TRN. TR. DENT. FOR. & ON. SORT. BUST.
SORT. BUST. W. HARDSH. FOR. & BBN. TRN.
TR. GAS. BUBBLES & OIL. TR. BUST. - STILL.
GOOD. ODR.

CURT. AS. BROWN. W. GRN. BUST. & TRN. EN.
VLN. SUB. CULVY TO DENSE. HARD. W. GRN.
ODR.

CURT. & LTR. ABOVE. W. SORT. TRN. TR. BBN.
EN. VLN. DENSE. HARD. LTR.

1 IN. BLK. GRY. & TRN. EN. VLN. SUB. CULVY
TO DENSE & HARD. - STILL. SORT. CURT. AS.
ABOVE. SORT. ODR.

1 IN. AS. ABOVE. W. SORT. CURT. AS. ABOVE.
& BUST. MED. GRY. TO TR. GRY. GRY. GRN.
BLK. & TR. GRN. SU.

4900

20

40

60

80

5000

20

40

60

80

5100

SH-MED TO DK GRY GRN-GRALY SCPT
BLK & TR GRN IN CRD. BLUF & TRAL. BR
YLN. SH-CHUKY TO DENSE. HARD 100

SH-LIM. AS ABOVE. BLUF TR & TRAL. IN
XLN. DENSE. HARD (IN FILE SCAT GRY &
TRAL. BLUF. SLI SUCR TEXT. DENSE. HARD
100

SAME AS ABOVE

SH-MED TO DK GRY GRN-GRN SCPT BLK IN
CRD. BLUF. GRX. TR & TRAL. BLUF. SH-
CHUKY TO DENSE. HARD 100

SH-MED GRY GRN-GRN SCPT BLK. BRN &
LT GRN IN SCAT. 100. AS ABOVE

KINDERHOOK 4994

-3599

SAME AS ABOVE

SH-MED TO DK GRY GRN-GRN SCPT
GRN & BLK

SH-SPILT & MED MED GRY. SM GRY-GRAL
TR. BRN. GRY-GRN & BLK

SH-MED TO DK GRY GRN-GRN TR GRY-GRAL
& BLK

CHATTANOOGA 5077

-3677

SH-MED TO DK GRY GRN-GRN TR GRY-GRAL
(AND GRN BLUES SLI DENSE. HARD
AND SPOTS (60 MIN) SCPT. GRX. SH-CHUKY

MADONKETA 5101

-3701

SH-BRUSH-BLK. GRY-GRN & BLK. TRAL &
CRD. IN. HARD SPOTS

20

40

60

80

5200

20

40

60

80

5300

20

VIOLA

5151

-3751

SIMPSON

5241

-3841

SIMPSON SAND

5264

-3864

SH-LT GR(Y)LL SILTY TEXTURE HARD TO RW
RND(SILTY TEXT) & SPRT GR(Y)-GRN

SAME IN SORT W/LL GRN & LT GR(Y) & TAN
EN YLN SUB-CHLN TO SORT DENSE & HARD

1 IN W/LL GRN EN YLN CHLN & SUB-CHLN
IN GRN & TAN EN YLN SILTY TEXT HARD DENSE
HARD SLL LTRY TONG

1 IN W/LL GRN EN YLN CHLN & TAN EN YLN
COLO AS ABOVE) SUB-CHLN & TAN CHLN
TO CHRTY DENSE & HARD

SAME AS ABOVE IN TR LT GR(Y) FRESH
TULL IN TIRY RND SORT SUB-TONG CHRT

1 IN FWH BLUE GR(Y) & TAN EN YLN SHA-
CHLN & TR CHLN TO DENSE & HARD IN
CHRT AS ABOVE

1 IN DOLD IN BODY GRN BLUE TAN LARK
EN YLN RND SILTY TEXT SUB-CHLN TO DENSE
SUB-CHLN TO DENSE DENSE & HARD IN TONG
TWN FRESH TULL SHR DPOO CHRT

1 IN AS ABOVE W/ SORT GRN RND L GR(Y)
SB & SORT PIECES RND EN EN MED W/LL
DENSE HARD DOLD SEV PIECES DOLD W/
WEARD EDGES IN BODY POR IN RND ONLY
CHLN RNDING TO SEV PIECES W/ ENL INTER-
STN RND TAN ONLY SUB TR RNDING (RND)
'FLAOTERS' WHEN BROKEN IN BODY OR C. N.

5700) SORT LT & SH MED C. EN GRN LUNGRAC
IN BODY POR (SILTY MATRIX) TO SORT RND
LT GRN W/ ENL INTER-GRN POR FRI-N.S.
DOR OR R. N.

5200) SORT AS ABOVE IN SUPR & LT GR(Y) EN &
EN GRNED TICE TO SORT EN GRNED
FRI W/ ENL POR-N.S.

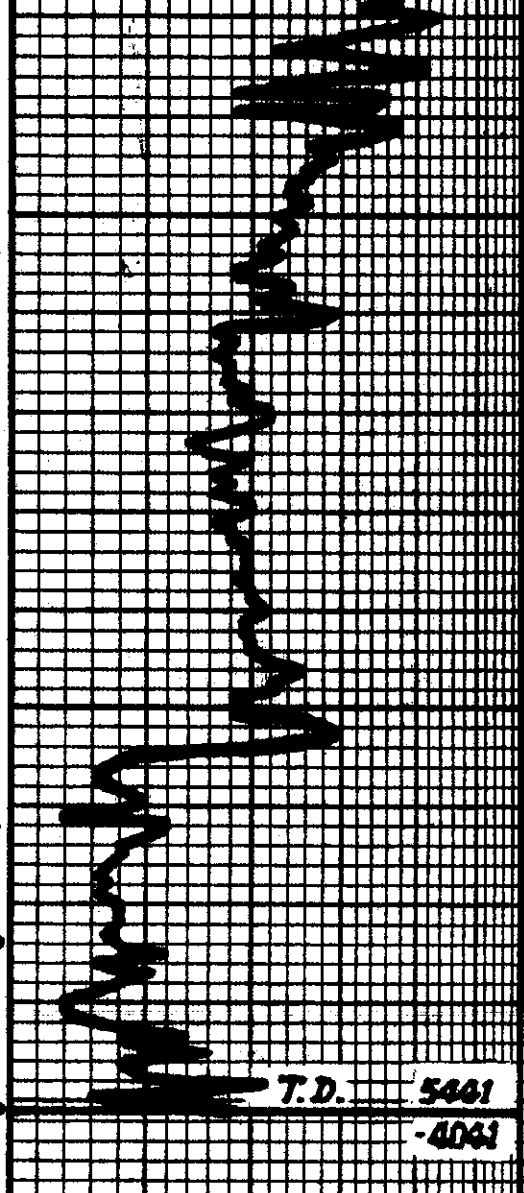
SORT AS ABOVE W/ LT GR(Y) (MED CLEAR
GRANED CLUSTERS) EN GRANED FRI
IN INTER-GRN POR-N.S.

SORT AS ABOVE IN MED TO DE GR(Y) &
RND SH

SH-DOLD MED TO DE GR(Y) PLUS COAL
COAL AS ABOVE



40
60
80
5400
20
40



T.D. 5461
-4041

SH. SAND. MED TO DK GR. BLK. & BRN
GRN IN CONS. SST AS ABOVE

SH. MED TO DK GR. SAND & BLK IN CONS.
L.M.'S. SST FROM UP-HOLE

SH. SAND. MED TO DK GR. & BLK IN
CONS. L.M.'S. SST & TEL FROM ABOVE

(5417) SST. IN 1/2" CT. GR. FILLED IN - 272
SUN. ANG. TO DRILL. DRILLER'S WELL -
RAISED CUTTER 1/2" CT. IN GOOD WATER -
GRN. BOB. N.S.

(5420) SST. IN 1/2" CT. GR. FILLED IN - 272
FOR TO EARL. WATER. CONN. BOB. N.S. 1/2" CT.
IT'S IN THE GR. FILLED IN BODY. DRILLER'S
CUTTER 1/2" CT. IN 1/2" CT. GR. FILLED IN
NEAR - CLEAR. FOR 1/2" CT. GR. FILLED IN. BOB.
WELL RATED SINGLE CORN. ON TRAY
BOTTOM - N.S. - CALL AQUA SH

(5421) SST. IN 1/2" CT. GR. FILLED IN - 272
CUTTER 1/2" CT. IN 1/2" CT. GR. FILLED IN
FOR. WATER. CONN. BOB. N.S. 1/2" CT. GR. FILLED IN
MED. FINE. WELL - RATED SINGLE CORN. ON
FLOR. BOB. ON CAT. PIPE. SILL. CONC.
SH. AS ABOVE

STRAIGHT HOLE IN 5461'
DEVIATION = 3/4"

STRAP PIPE @ 5461'	
BOARD	5460.66'
STRAP	5449.02'
STRAP SHORT	1.63'

