

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form CP-1  
March 2010  
This Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL PLUGGING APPLICATION

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act,  
MUST be submitted with this form.

OPERATOR: License #: 5721  
Name: Glacier Petroleum, Inc.  
Address 1: P.O. Box 577  
Address 2: \_\_\_\_\_  
City: Emporia State: KS Zip: 66801 + \_\_\_\_\_  
Contact Person: J.C. Hawes  
Phone: (620) 342-1148

API No. 15 - 127-19006-00-00  
If pre 1967, supply original completion date: \_\_\_\_\_  
Spot Description: NE NE NE  
\_\_\_\_\_ Sec. 23 Twp. 16 S. R. 9  East  West  
4,976 Feet from  North /  South Line of Section  
397 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Morris  
Lease Name: Viar Well #: #1 SWD

Check One:  Oil Well  Gas Well  OG  D&A  Cathodic  Water Supply Well  Other: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  ENHR Permit #: E 23863  Gas Storage Permit #: \_\_\_\_\_  
54RFACE Conductor Casing Size: 10 3/4 Set at: 132 ft Cemented with: 75 Sacks  
PRODUCER Surface Casing Size: 7" Set at: 2942 ft Cemented with: 125 Sacks  
LINE Production Casing Size: 4" Set at: 2917 ft Cemented with: 285 Sacks

List (ALL) Perforations and Bridge Plug Sets:  
Open Hole 2942 to 2943, Wireline BP set 2800 ft

Elevation: 1258 ( G.L. /  K.B.) T.D.: 2943 PBDT: \_\_\_\_\_ Anhydrite Depth: \_\_\_\_\_  
(Stone Corral Formation)

Condition of Well:  Good  Poor  Junk in Hole  Casing Leak at: 260 ft  
(Interval)

Proposed Method of Plugging (attach a separate page if additional space is needed):

RIH to 260 ft., Circ cement to surface

Is Well Log attached to this application?  Yes  No Is ACO-1 filed?  Yes  No

If ACO-1 not filed, explain why:

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Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission

Company Representative authorized to supervise plugging operations: Mark Lynch  
Address: P.O. Box 577 City: Emporia State: KS Zip: 66801 + \_\_\_\_\_  
Phone: (620) 342-1148  
Plugging Contractor License #: 05721 Name: Glacier Well Service  
Address 1: P.O. Box 577 Address 2: \_\_\_\_\_  
City: Emporia State: KS Zip: 66801 + \_\_\_\_\_  
Phone: (620) 342-1148

Proposed Date of Plugging (if known): Unknown

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Date: 11/03/2010 Authorized Operator / Agent: \_\_\_\_\_  
(Signature)

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form KSONA-1  
July 2010  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**CERTIFICATION OF COMPLIANCE WITH THE  
KANSAS SURFACE OWNER NOTIFICATION ACT**

*This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.*

Select the corresponding form being filed:  C-1 (Intent)  CB-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)

OPERATOR: License # 5721  
Name: Glacier Petroleum, Inc.  
Address 1: P.O. Box 577  
Address 2: \_\_\_\_\_  
City: Emporia State: KS Zip: 66801 + \_\_\_\_\_  
Contact Person: J.C. Hawes  
Phone: (620) 342-1148 Fax: (620) 342-9561  
Email Address: glacierp@cadvantage.com

Well Location: \_\_\_\_\_  
\_\_\_\_\_ Sec. 23 Twp. 16 S. R. 9  East  West  
County: Morris  
Lease Name: Viar Well #: #1 SWD

*If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:*

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**Surface Owner Information:**

Name: Leland W. Viar  
Address 1: 1837 S. 200 Rd  
Address 2: \_\_\_\_\_  
City: Council Grove State: KS Zip: 66846 + \_\_\_\_\_

**KCC WICHITA**  
*When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.*

*If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.*

**Select one of the following:**

I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.

I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

*If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.*

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

Date: 11/03/2010 Signature of Operator or Agent: [Signature] Title: PRESIDENT



Mark Parkinson, Governor Thomas E. Wright, Chairman, Joseph F. Harkins, Commissioner, Ward Loyd, Commissioner

**NOTICE OF RECEIPT OF WELL PLUGGING APPLICATION (CP-1)**

GLACIER PETROLEUM CO., INC.  
825 COMMERCIAL ST  
PO BOX 577  
EMPORIA, KS 66801-2914

November 12, 2010

Re: VIAR #1  
API 15-127-19006-00-00  
23-16S-9E, 4976 FSL 397 FEL  
MORRIS COUNTY, KANSAS

Dear Operator:

This letter is to notify you that the Conservation Division has received your plugging proposal, form CP-1, for the above well and has reviewed the proposal for completeness. The central office will now forward your CP-1 to the district office listed below for review of the proposed plugging method. **Please contact the district office for approval of your proposed plugging method at least five (5) days before plugging the well, pursuant to K.A.R. 82-3-113(b). If a workover pit will be used during the plugging of the well it must be permitted. A CDP-1 form must be filed and approved prior to the use of the pit in accordance with K.A.R. 82-3-600.**

The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well. This notice in no way constitutes authorization to plug the above well by persons not having legal rights of ownership or interest in the well.

**This notice is void after May 11, 2011. The CP-1 filing does not bring the above well into compliance with K.A.R. 82-3-111 with regard to the Commission's temporary abandonment requirements.**

Sincerely,

Steve Bond  
Production Department Supervisor

District: #2  
3450 N. Rock Road, Suite 601  
Wichita, KS 67226  
(316) 630-4000

# INVOICE

## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

**SOLD TO:**  
 Glacier Petroleum  
 P.O. Box 577  
 Emporia, Kansas 66801

**Invoice # 15644**

Invoice Date 8/23/2010  
 Ordered By Jeff  
 Work Date 8/19/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer:	Size of G.A.	Gas Anchor	Strainer:	Size of G.A.
Size : 90 jts 2 3/8"	Type :	Tubing	Size :	Type :
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open:	Size:	Mud Anchor	Plugged or Open:	Size:
Type:	Size:	Packer	Type:	Size:
Length:	Diameter:	Polish Rod	Length:	Diameter:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<p><b>Work Description:</b></p> <p>Drove to location, shut down well, RU, took off flow tee, installed head, tallied tubing, RIH 90 jts 2 3/8" w/ scraper &amp; bit on bottom, TOOHO tubing and bit, took off head, installed flow tee, start well, SD.</p> <p><b>Remarks:</b></p> <p>UNIT #4</p>		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  Glacier Petroleum P.O. Box 577 Emporia, Kansas 66801
---

**Invoice # 15646**

Invoice Date 8/23/2010  
 Ordered By Jeff  
 Work Date 8/20/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves		
Strainer:	Size of G.A.	Gas Anchor		
Size : 80 jts 2 3/8" 8rd EUE	Type :	Tubing		
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl		
Plugged or Open:	Size:	Mud Anchor		
Type:	Size:	Packer		
Length:	Diameter:	Polish Rod		
Length:	Diameter:	P. Rod Liner		
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, shut off water to well, SR, RIH 90 jts 2 3/8" w/ packer, filled backside w/ water, pressured up with air, backside did not hold, TOOH 80 jts, left 10 jts and packer in hole, set in slips, capped off well, SD.		
	<b>Remarks:</b>		

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# LOG-TECH OF KANSAS, INC.

86 SW 10 AVE  
 GREAT BEND, KANSAS 67530  
 (620) 792-2167

INVOICE  
**6221**

Date 8-27-2010

CHARGE TO: Glacier Petroleum  
 ADDRESS \_\_\_\_\_  
 R/A SOURCE NO. \_\_\_\_\_ CUSTOMER ORDER NO. \_\_\_\_\_  
 LEASE AND WELL NO. Viar FIELD \_\_\_\_\_  
 NEAREST TOWN \_\_\_\_\_ COUNTY Marion STATE KS  
 SPOT LOCATION NE 1/4 NE 1/4 SEC. 23 TWP. 16S RANGE 9E  
 ZERO 5' NG CASING SIZE 1 1/2 WEIGHT \_\_\_\_\_  
 CUSTOMER'S T.D. \_\_\_\_\_ LOG TECH \_\_\_\_\_ FLUID LEVEL \_\_\_\_\_  
 ENGINEER Lonnie Gregg OPERATOR S. Cannon

PERFORATING				
Description	No. Shots	Depth		Amount
		From	To	

DEPTH AND OPERATIONS CHARGES					
Description	Depth		Total No. Ft.	Price Per Ft.	Amount
	From	To			
<u>sat. 1/4 CRD</u>	<u>6</u>	<u>2500</u>	<u>2500</u>	<u>22</u>	<u>616</u>

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MISCELLANEOUS			
Description	Quantity	Amount	
Service Charge	1	550	550
<u>4 1/2 CRD Ops - 5 work cost</u>	1	200	200

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

Viar / SWD  
 Code Ref. \_\_\_\_\_  
 Sub Total 1866  
 Tool Insurance \_\_\_\_\_  
 Tax \_\_\_\_\_  
 # 1586



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 29047  
LOCATION EUREKA  
FOREMAN KEVIN McCoy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-457-8878

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY
8-23-10	3314	VIAR SWD #1		23	165	9E	MORRIS
CUSTOMER				GLACIER WELL SERVICE			
GLACIER Petroleum, INC							
MAILING ADDRESS				TRUCK #	DRIVER	TRUCK #	DRIVER
P.O. Box 577				445	JUSTIN		
CITY		STATE	ZIP CODE				
EMPORIA		KS	66801				
JOB TYPE	MISC Pump	HOLE SIZE		HOLE DEPTH	2990'	CASING SIZE & WEIGHT	4 1/2 @ 2923'
CASING DEPTH	7" 2942'	DRILL PIPE		TUBING		LINE Cemented to SURFACE	
SLURRY WEIGHT		SLURRY VOL		WATER gal/sk		CEMENT LEFT in CASING	
DISPLACEMENT		DISPLACEMENT PSI		MIX PSI		RATE	

REMARKS: SAFETY Meeting: 7" Production Casing Set @ 2942' Cemented w/ 125 SKT. Est To c 2000'  
4 1/2 Line Set @ 2923' Cemented to SURFACE.  
8-23-10 Log Tech of Kansas Set CIP @ 2800'. Rig up to 4 1/2 Casing. Load Casing w/  
Fresh water. Establish injection @ 4 BPM @ 500 PSI. w/ NO Fluid Returns to SURFACE  
on ANNULUS of 7". FLAG hole w/ wire line @ 631' below G.L. RAN 2 1/2" Tubing & BAKED  
AD 1 PACKER. 22 Jts Set PKR @ 706'. INJECTION Rate 2 BPM @ 400 PSI. 30 Jts in Set PKR @  
962'. INJECTION Rate 2 BPM @ 400 PSI. Casing has holes in it Below 962'. Shut down  
for the day. Left Pump Truck on Location.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5609	2	PUMP CHARGE		
5406	70	MILEAGE	200.00	400.00
			3.65	255.50
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				SALES TAX ESTIMATED TOTAL
				655.00

THANK You

AUTHORIZATION Called By JEFF HAWES TITLE President

DATE 8-23-10

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 29048

LOCATION Eureka

FOREMAN Kevin McCoy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-24-10	3314	VIAR SWO #1	23	165	9E	MOHNS
CUSTOMER Glacier Petroleum, Inc.			GLACIER Well Service			
MAILING ADDRESS P.O. Box 577			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Emporia			445	Justin		
STATE Ks			515	Chris		
ZIP CODE 66801			479			
			436	Jim		

JOB TYPE Squeeze HOLE SIZE \_\_\_\_\_ HOLE DEPTH 2990' CASING SIZE & WEIGHT 4 1/2 @ 2923'  
 CASING DEPTH 7" 2942' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/bk \_\_\_\_\_ CEMENT LEFT IN CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting: Flag hole w/ wire line @ 631'. Flag holes w/ T&P & PKR @ 1122-1154, 1969-2002. Set PKR @ 1845'. (Hole @ 1969-2002). INJ. Rate 2 BPM @ 1000 PSI. Mixed 100 SKS CLASS "A" w/ 2% CACL2 @ 14.6" /gal. Start Displacement @ 1 BPM @ 800 PSI. Final Pressure 1500 PSI. Stage for 1 1/2 Hrs. Holding @ 1000 PSI. Squeeze #2, Set PKR @ 995'. (Hole @ 1122-1154) INJ. Rate 2 BPM @ 600 PSI. Mixed 150 SKS CLASS "A" w/ 2% CACL2 in last 75 SKS @ 14.6" /gal. Start Displacement @ 1 BPM @ 500 PSI. Final Pressure 650 PSI. 151P 450 PSI. Stage for 1 1/2 Hrs. Holding @ 750 PSI. Squeeze #3, Test w/ T&P & PKR Had Communication from 500' to hole @ 631'. Pull T&P & PKR. Rig up to 4 1/2 casing. INJ. Rate 3.5 BPM @ 600 PSI. Mixed 150 SKS CLASS "A" w/ 2% GEL @ 14.6" /gal. Displace w/ 8 BBL water @ ~ 490' GSP Val. Final Pressure 500 PSI @ 1 BPM. Shut in @ 400 PSI. Job Complete. Note: All of 4 1/2 casing between Squeeze jobs tested Good @ 600 PSI.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		
5406		MILEAGE LEFT TRUCK AT LOCATION	925.00	925.00
1104 S	100 SKS	CLASS "A" Cement		
1102	200 "	CACL2 2% IN MIXING WATER	13.50	1350.00
		Squeeze #1 1969-2002'	.75	150.00
1104 S	150 SKS	CLASS "A" Cement		
1102	150 "	2% CACL2 IN LAST 75 SKS	13.50	2025.00
		Squeeze #2 1122-1154'	.75	112.50
1104 S	150 SKS	CLASS "A" Cement		
1118 B	300 "	GEL 2%	13.50	2025.00
		Squeeze #3 500'-631'	.20	60.00
5407 A	18.8 TONS	70 miles BULK DELV.	1.20	1579.20
5502 C	7 HRS	80 BBL VAC TRUCK	85.00	595.00

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THANK YOU

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Sub Total	8821.70
SALES TAX	417.74
ESTIMATED TOTAL	9239.44

Ravin 3797

Called By Jeff Hawes

AUTHORIZATION Witnessed By MARK

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form





**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 29094

LOCATION EUREKA

FOREMAN Kevin McCoy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8678

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-26-10	3314	VIA SWD #1	23	165	95	Morris
CUSTOMER Glacier Petroleum			Glacier Well Service			
MAILING ADDRESS P.O. Box 577						
CITY Emporia	STATE KS	ZIP CODE 66801				
TRUCK #						
			445	Justin		
			543	DAVE		

JOB TYPE Squeeze  HOLE SIZE \_\_\_\_\_ HOLE DEPTH 2990' CASING SIZE & WEIGHT 4 1/2 @ 2923  
 CASING DEPTH 7" @ 2942' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER Liner Cemented to Surface  
 SLURRY WEIGHT 14.8# SLURRY VOL 18 BBL WATER gal/sk 6.5 CEMENT LEFT In CASING \_\_\_\_\_  
 DISPLACEMENT 1.7 BBL DISPLACEMENT PSI 500  PSI 350 Shut in RATE \_\_\_\_\_

REMARKS: Safety Meeting: Ran with line down 4 1/2 Tag Cement @ 670'. Pump 4 1/2 Top Rubber Plug to find hole. Plug Stopped @ 169' Below G.L. Establish Injection Rate @ 2 BPM @ 790 PSI. Mixed 75 sks Class A Cement w/ 1% Cackz @ 14.8#/gal. Shot down. Wash out Pump & Liner. Displace w/ 1.7 BBL WATER. FINAL Pumping Pressure 500 PSI. Shut in @ 350 PSI. Tried to Run 3 1/2" Tubing down ANNULUS OF 7" hit Solid Cement 1' Below Support Clamp on 7". Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE	725.00	725.00
5406	70	MILEAGE	3.65	255.50
1104 S	75 sks	Class A Cement	13.50	1012.50
1102	70	Cackz 1%	.75	52.50
5407	3.52 TONS	Ton Mileage Bulk Delv.	M/C	315.00
4404	1	4 1/2 Top Rubber Plug	45.00	45.00
			RECEIVED	
			NOV 05 2010	
			KCC WICHITA	
			Sub Total	2405.50
			7.3% SALES TAX	81.03
			ESTIMATED TOTAL	2486.53

Kevin 3787

AUTHORIZATION witnessed By MARK

TITLE Glacier Co. Rep.

DATE 8-26-10

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

# INVOICE

## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  <b>Glacier Petroleum</b> <b>P.O. Box 577</b> <b>Emporia, Kansas 66801</b>
--

**Invoice # 15669**

Invoice Date 9/7/2010  
 Ordered By Jeff  
 Work Date 8/30/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer:	Size of G.A.	Gas Anchor	Strainer:	Size of G.A.
Size :	Type :	Tubing	Size :	Type :
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open:	Size:	Mud Anchor	Plugged or Open:	Size:
Type:	Size:	Packer	Type:	Size:
Length:	Diameter:	Polish Rod	Length:	Diameter:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
Rod Break: # Down:                      Body:                      Box:                      Other: Tubing Leak: #Jts. Down:                      Split:                      Hole:                      Collar Leak:                      Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, RU, CO for tubing, RIH mill bit on collars w/ 2 jts (90 ft), went through, TOO, ran packer down hole, hung up, pull tubing out, RIH 3 jts w/ collars, flat mill bit went through, pulled tubing, RIH w/ packer, hung up, TOO, SDON.		
	<b>Remarks:</b>		

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**NOV 05 2010**  
**KCC WICHITA**

# INVOICE

## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  Glacier Petroleum P.O. Box 577 Emporia, Kansas 66801
---

**Invoice # 15670**

Invoice Date 9/7/2010  
 Ordered By Jeff  
 Work Date 8/31/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer:	Size of G.A.	Gas Anchor	Strainer:	Size of G.A.
Size :	Type :	Tubing	Size : 21 jts 2 3/8" 8rd EUE	Type :
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open:	Size:	Mud Anchor	Plugged or Open:	Size:
Type:	Size:	Packer	Type:	Size:
Length:	Diameter:	Polish Rod	Length:	Diameter:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
Rod Break: # Down:                      Body:              Box:              Other: Tubing Leak: #Jts. Down:              Split:              Hole:              Collar Leak:              Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, RIH sand line w/ magnet 3 times to 126 ft, could not catch, CO, RIH w/ packer, could not go through, TOO, CO to mill bit & collars, RIH, tagged at 126 ft, hook up power swivel & water pump, fell through at 290 ft and 509 ft, went to 673 ft, unhook swivel & pump, TOO 21 jts 2 3/8", hook up 1 jt to sand line & magnet, RIH, caught metal, CO, RIH 21 jts w/ collar & flat bottom mill bit, tagged at 660 ft, hook up swivel & pump, circ hole for 1 hr, SDON.		
	<b>Remarks:</b>		

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# INVOICE

## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  <b>Glacier Petroleum</b> <b>P.O. Box 577</b> <b>Emporia, Kansas 66801</b>
--

**Invoice # 15672**

Invoice Date 9/7/2010  
 Ordered By Jeff  
 Work Date 9/2/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer:	Size of G.A.	Gas Anchor	Strainer:	Size of G.A.
Size :	Type :	Tubing	Size :	Type :
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open:	Size:	Mud Anchor	Plugged or Open:	Size:
Type:	Size:	Packer	Type:	Size:
Length:	Diameter:	Polish Rod	Length:	Diameter:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
Rod Break: # Down:                      Body:              Box:              Other: Tubing Leak: #Jts. Down:              Split:              Hole:              Collar Leak:              Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, hook up stripping head, tallied tubing & 2 collars, RIH, tagged cement at soft, lay out 1 collar, pick up 1 jt, hook up stripping rubber, power swivel & water pump, test casing @ 300# for 5 mins., test held, drilled from soft to 160 ft in casing, SDON.		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  Glacier Petroleum P.O. Box 577 Emporia, Kansas 66801
---

**Invoice # 15673**

Invoice Date 9/7/2010  
 Ordered By Jeff  
 Work Date 9/3/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves	Pump or Valve:	
Strainer: Size of G.A.		Gas Anchor	Description:	
Size : Type :		Tubing	Strainer: Size of G.A.	
2' 4' 6' 8' 10'		Tubing Subs	Size : Type :	
Size:		Working Bbl	2' 4' 6' 8' 10'	
Plugged or Open: Size:		Mud Anchor	Size:	
Type: Size:		Packer	Plugged or Open: Size:	
Length: Diameter:		Polish Rod	Type: Size:	
Length: Diameter:		P. Rod Liner	Length: Diameter:	
			Length: Diameter:	
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, unhook swivel & pump, TOO H tubing, took off drill bit, put flat bottom mill bit on, RIH tubing, hook up swivel & pump, start drilling w/ mill bit, would not cut through, TOO H tubing, CO to cone bit, RIH, would not cut, TOO H, CO to flat bottom mill bit, RIH, would not cut, TOO H, CO to sand line, RIH 1 jt & magnet, caught metal, RIH 8 jts w/ magnet at bottom, hook up pump to tubing, circ hole, pick up metal shavings, TOO H tubing, ran sand line down hole w/ 1 jt & magnet, caught metal, SD over weekend w/ 160 ft TD. <b>Remarks:</b>		

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**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 29099  
LOCATION EUREKA  
FOREMAN KEVIN MCCOY

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-1-10	3314	VIAR SWD #1	23	16S	9E	Morris
CUSTOMER <u>GLACIER Petroleum, INC.</u>			GLACIER Well Service			
MAILING ADDRESS <u>P.O. Box 577</u>						
CITY <u>EMPORIA</u>	STATE <u>KS</u>	ZIP CODE <u>668</u>	TRUCK # <u>445</u>	DRIVER <u>JUSTIN</u>	TRUCK #	DRIVER
			<u>479</u>	<u>ALLEN B.</u>		

JOB TYPE Squeeze HOLE SIZE \_\_\_\_\_ HOLE DEPTH 2990' CASING SIZE & WEIGHT 4 1/2 @ 2923  
 CASING DEPTH 7' @ 2942' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ Liner Cemented to SURFACE  
 SLURRY WEIGHT 14.8\* SLURRY VOL 18 BBL WATER gal/bk 6.5 CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 1.5 BBL DISPLACEMENT PSI 1400 MPP PSI 650 Shut in RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Load casing w/ water. Establish injection rate @ 3/10 BPM @ 1050 PSI. INCREASE RATE to 2.3 BPM @ 800 PSI. Pump 4 1/2 Top Rubber Plug followed w/ wire line. Plug slowed down @ 123' and completely stopped @ 160'. Ran 2 3/8 Tg & PKR. Shoveled Plug down to 245'. Set PKR. Pressure to 650 PSI. Held @ 650 PSI. Set PKR @ 215'. Resume Pumping and communication w/ hole @ 160'. Pull Tg & PKR. Rig up to 4 1/2 casing. Establish injection @ 2 BPM @ 800 PSI w/ water. Mixed 75 SKS CLASS "A" Cement w/ 1% CACLC @ 14.8\*/GAL, MIXING PRESSURE @ 1300 - 1500 PSI @ 1.75 BPM. Shut down. Wash out Pump & Lines. Displace w/ 1.5 BBL Fresh Water @ .5/10 BPM @ 1400 PSI. Shut casing in @ 650 PSI. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406		MILEAGE	3.65	255.50
11045	75 SKS	CLASS "A" Cement	13.50	1012.50
1102	70*	CACLC 1%	.75	52.50
5407	3.52 TONS	Ton Mileage Buck Delv.	M/C	315.00
4404	1	4 1/2 Top Rubber Plug	45.00	45.00

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			Sub Total	2605.50
		THANK YOU	SALES TAX	81.03
		7.3%	ESTIMATED TOTAL	2686.53

AUTHORIZATION Witnessed By MARK TITLE GLACIER Co. Rep DATE 9-1-10

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

# INVOICE

## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  <b>Glacier Petroleum</b> <b>P.O. Box 577</b> <b>Emporia, Kansas 66801</b>
--

**Invoice # 15671**

Invoice Date 9/7/2010  
 Ordered By Jeff  
 Work Date 9/1/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer:	Size of G.A.	Gas Anchor	Strainer:	Size of G.A.
Size :	Type :	Tubing	Size :	Type :
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open:	Size:	Mud Anchor	Plugged or Open:	Size:
Type:	Size:	Packer	Type:	Size:
Length:	Diameter:	Polish Rod	Length:	Diameter:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, unhook swivel & pump, TOOH 21 jts 2 3/8", CO, RIH sand line w/ 1 jt & magnet 3 times, caught metal, took stripped head off, Consolidated Tk# 29099RIH 8 jts, set packer to 10,000# over, TOOH jts, pumped 75 sx of cement down hole, shut in at 650psi, SDON.  James K. hauled 120 barrels of water for Consolidated; 120 barrels of water for mud pit.  <b>Remarks:</b>		

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## Glacier Well Service

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 Emporia KS 66801  
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 Glacier Petroleum  
 P.O. Box 577  
 Emporia, Kansas 66801

**Invoice # 15683**

Invoice Date 9/13/2010  
 Ordered By Jeff  
 Work Date 9/10/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer:	Size of G.A.	Gas Anchor	Strainer:	Size of G.A.
Size :	Type :	Tubing	Size :	Type :
2' 4' 6' 8' 10'		Tubing Subs	6 jts 2 3/8", 5 collars	2' 4' 6' 8' 10'
Size:		Working Bbl	Size:	
Plugged or Open:	Size:	Mud Anchor	Plugged or Open:	Size:
Type:	Size:	Packer	Type:	Size:
Length:	Diameter:	Polish Rod	Length:	Diameter:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<p><b>Work Description:</b></p> <p>Drove to location, SR, start swivel &amp; pump, ran jt in, started drilling from 216 ft (jt 9) to 343 ft (jt 11), circ hole, SD over weekend.</p> <p><b>Remarks:</b>                      Drilled 216 ft to 343 ft, (127 ft)</p>		

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---

**Invoice # 15682**

Invoice Date 9/13/2010  
 Ordered By Jeff  
 Work Date 9/9/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves	Pump or Valve:	
Strainer: Size of G.A.		Gas Anchor	Description:	
Size : Type :		Tubing	Strainer: Size of G.A.	
2' 4' 6' 8' 10'		Tubing Subs	Size : Type :	
Size:		Working Bbl	2' 4' 6' 8' 10'	
Plugged or Open: Size:		Mud Anchor	Size:	
Type: Size:		Packer	Plugged or Open: Size:	
Length: Diameter:		Polish Rod	Type: Size:	
Length: Diameter:		P. Rod Liner	Length: Diameter:	
Length: Diameter:			Length: Diameter:	
Rod Break: # Down: Body: Box: Other:				
Tubing Leak: #Jts. Down: Split: Hole: Collar Leak: Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, pulled tubing, changed to 3 7/8" drill bit, ran tubing in, put new part onto swivel, put back together, start up swivel & pump, started drilling from 167 ft to 216 ft, circ hole for 30 mins., SDON.		
	<b>Remarks:</b> Drilled 167 ft to 216 ft.		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
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<b>SOLD TO:</b>  <b>Glacier Petroleum</b> <b>P.O. Box 577</b> <b>Emporia, Kansas 66801</b>
--

**Invoice # 15681**

Invoice Date 9/13/2010  
 Ordered By Jeff  
 Work Date 9/8/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves		
Strainer:	Size of G.A.	Gas Anchor		
Size :	Type :	Tubing	2' 4' 6' 8' 10'	
2' 4' 6' 8' 10'		Tubing Subs		
Size:		Working Bbl		
Plugged or Open:	Size:	Mud Anchor		
Type:	Size:	Packer		
Length:	Diameter:	Polish Rod		
Length:	Diameter:	P. Rod Liner		
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, pulled & tallied tubing, RIH w/ 5 collars and 1 jt, hook up power swivel and water pump, start pump, had poor circulation, check valves, put pump back together, wash pipe was unscrewed in swivel, took apart, cleaned out pump, laid 1 jt out, left 1 jt in air, SDON.		
	<b>Remarks:</b> 165 ft to 167 ft.		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
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---

**Invoice # 15680**

Invoice Date 9/13/2010  
 Ordered By Jeff  
 Work Date 9/7/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves	Pump or Valve:	
Strainer: Size of G.A.		Gas Anchor	Description:	
Size : Type :		Tubing	Strainer: Size of G.A.	
2' 4' 6' 8' 10'		Tubing Subs	Size : Type :	
Size:		Working Bbl	2' 4' 6' 8' 10'	
Plugged or Open: Size:		Mud Anchor	Size:	
Type: Size:		Packer	Plugged or Open: Size:	
Length: Diameter:		Polish Rod	Type: Size:	
Length: Diameter:		P. Rod Liner	Length: Diameter:	
Rod Break: # Down: Body: Box: Other: Tubing Leak: #Jts. Down: Split: Hole: Collar Leak: Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, hook up power swivel and water pump, RIH w/ collar & mill bit, cut 1 ft, pulled tubing, CO for sand line, RIH 1 jt & magnet 4 times, picked up metal cuttings, CO, ran tubing in w/ finger bit for 45 mins., plug tubing, pulled tubing (basket cement ball and iron), CO to 3 7/8" bit, drilled 3 ft, circ hole, laid 1 jt out. Left 1 jt in air, SDON  <b>Remarks:</b> Drilled/milled 161 ft to 165 ft. UNIT #2		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
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**Invoice # 15693**

Invoice Date 9/20/2010  
 Ordered By Jeff  
 Work Date 9/13/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer: Size of G.A.		Gas Anchor	Strainer: Size of G.A.	
Size : Type :		Tubing	Size : Type :	
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open: Size:		Mud Anchor	Plugged or Open: Size:	
Type: Size:		Packer	Type: Size:	
Length: Diameter:		Polish Rod	Length: Diameter:	
Length: Diameter:		P. Rod Liner	Length: Diameter:	
Rod Break: # Down: Body: Box: Other:			Tubing Leak: #Jts. Down: Split: Hole: Collar Leak: Other:	

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, start power swivel & water pump, drilled from 343 ft (jt 12) to 665 ft (jt 21), test casing at 300#, did not hold, circ for 30 mins., SDON.		
	<b>Remarks:</b>		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

**SOLD TO:**  
 Glacier Petroleum  
 P.O. Box 577  
 Emporia, Kansas 66801

**Invoice # 15694**

Invoice Date 9/20/2010  
 Ordered By Jeff  
 Work Date 9/14/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer: Size of G.A.		Gas Anchor	Strainer: Size of G.A.	
Size : Type :		Tubing	Size : Type :	
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open: Size:		Mud Anchor	Plugged or Open: Size:	
Type: Size:		Packer	Type: Size:	
Length: Diameter:		Polish Rod	Length: Diameter:	
Length: Diameter:		P. Rod Liner	Length: Diameter:	
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak: Other:	

Hours	Description	Rate	Amount
	<p><b>Work Description:</b></p> <p>Drove to location, SR, start power swivel &amp; water pump, drilled from 665 ft to 667 ft, RIH w/ tubing to 1050 ft, drilled from 1050 ft to 1160 ft, fell out on jt 37, CO to tongs, RIH w/ tubing to 1880 ft, change out nipple to hydraulic hose on the power swivel, circ hole, SDON.</p> <p><b>Remarks:</b></p>		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  Glacier Petroleum P.O. Box 577 Emporia, Kansas 66801
---

**Invoice # 15695**

Invoice Date 9/20/2010  
 Ordered By Jeff  
 Work Date 9/15/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves	Pump or Valve:	
Strainer: Size of G.A.		Gas Anchor	Description:	
Size : Type :		Tubing	Strainer: Size of G.A.	
2' 4' 6' 8' 10'		Tubing Subs	Size : Type :	
Size:		Working Bbl	2' 4' 6' 8' 10'	
Plugged or Open: Size:		Mud Anchor	Size:	
Type: Size:		Packer	Plugged or Open: Size:	
Length: Diameter:		Polish Rod	Type: Size:	
Length: Diameter:		P. Rod Liner	Length: Diameter:	
Rod Break: # Down:                      Body:                      Box:                      Other:				
Tubing Leak: #Jts. Down:                      Split:                      Hole:                      Collar Leak:                      Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, start power swivel & water pump, drilled from 1880 ft to 2015 ft, pull up on tubing, circ hole, SDON.		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  Glacier Petroleum P.O. Box 577 Emporia, Kansas 66801
---

**Invoice # 15696**

Invoice Date 9/20/2010  
 Ordered By Jeff  
 Work Date 9/16/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves	Pump or Valve:	
Strainer: Size of G.A.		Gas Anchor	Description:	
Size : Type :		Tubing	Strainer: Size of G.A.	
2' 4' 6' 8' 10'		Tubing Subs	Size : Type :	
Size:		Working Bbl	2' 4' 6' 8' 10'	
Plugged or Open: Size:		Mud Anchor	Size:	
Type: Size:		Packer	Plugged or Open: Size:	
Length: Diameter:		Polish Rod	Type: Size:	
Length: Diameter:		P. Rod Liner	Length: Diameter:	
Length: Diameter:			Length: Diameter:	
Rod Break: # Down: Body: Box: Other:				
Tubing Leak: #Jts. Down: Split: Hole: Collar Leak: Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, start power swivel & water pump, drilled from 2015 ft to 2045 ft, fell out, test casing for 30 min at 150psi, CO, RIH w/ tubing, hit plug at 2800 ft, circ hole for 30 min, test casing, would not hold, CO, TOO H w/ tubing, ran 6 jts in and stacked out (165 ft.), lay 1 jt out, SDON.  Metal at 165 ft.  <b>Remarks:</b>		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

**SOLD TO:**  
 Glacier Petroleum  
 P.O. Box 577  
 Emporia, Kansas 66801

**Invoice # 15697**

Invoice Date 9/20/2010  
 Ordered By Jeff  
 Work Date 9/17/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer:	Size of G.A.	Gas Anchor	Strainer:	Size of G.A.
Size : 6 jts 2 3/8" 8rd EUE	Type :	Tubing	Size :	Type :
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open:	Size:	Mud Anchor	Plugged or Open:	Size:
Type:	Size:	Packer	Type:	Size:
Length:	Diameter:	Polish Rod	Length:	Diameter:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
*****				
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<p><b>Work Description:</b></p> <p>Drove to location, SR, TOO H 6 jts 2 3/8", CO to sand line, hook up 1 jt and impression block to line, RIH, tight at 35 ft down, TOO H, CO to tubing, RIH w/ collar and taper mill, hook up power swivel, drilled to 167 ft, TOO H, tested, did not hold, SD over weekend.</p> <p>Metal at 165 ft.</p> <p><b>Remarks:</b></p>		

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## Glacier Well Service

825 Commercial, P.O. Box 577  
 Emporia KS 66801  
 Shop: 620-343-3347

<b>SOLD TO:</b>  Glacier Petroleum P.O. Box 577 Emporia, Kansas 66801
---

**Invoice # 15705**

Invoice Date 9/27/2010  
 Ordered By Jeff  
 Work Date 9/20/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves		
Strainer:	Size of G.A.	Gas Anchor		
Size :	Type :	Tubing		
2' 4' 6' 8' 10'		Tubing Subs	1-2' 4' 6' 8' 10'	
Size:		Working Bbl		
Plugged or Open:	Size:	Mud Anchor		
Type:	Size:	Packer		
Length:	Diameter:	Polish Rod		
Length:	Diameter:	P. Rod Liner		
-----				
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, start power swivel & water pump, lay out jt, RIH drill collar, flat bottom mill bit and 6 jts 2 3/8", tagged hole @ 170 ft, mill bit did not drill any feet, TOOH 6 jts, change to tapered mill bit, RIH w/ tubing, started to drill, TOOH, CO to flat bottom mill bit, RIH, start drilling, would not cut any feet, change out mill bit, start drilling, cut 4 ft from 170 ft to 174 ft, circ hole for 15 min., SDON.		
	<b>Remarks:</b>  UNIT #2		

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**Invoice # 15706**

Invoice Date 9/27/2010  
 Ordered By Jeff  
 Work Date 9/21/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer:	Size of G.A.	Gas Anchor	Strainer:	Size of G.A.
Size :	Type :	Tubing	Size :	Type :
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open:	Size:	Mud Anchor	Plugged or Open:	Size:
Type:	Size:	Packer	Type:	Size:
Length:	Diameter:	Polish Rod	Length:	Diameter:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
Rod Break: # Down:                      Body:                      Box:                      Other: Tubing Leak: #Jts. Down:                      Split:                      Hole:                      Collar Leak:                      Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, start power swivel & water pump, start drilling 1 ft, TOO H w/ tubing, found metal stuck in mill bit, RIH w/ tubing, open end was not able to pass through, TOO H, broke down swivel & pump, RD.		
	<b>Remarks:</b>  UNIT #2		

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**Invoice # 15759**

Invoice Date 10/25/2010  
 Ordered By Jeff  
 Work Date 10/18/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		
Description:		Pump or Valves	Pump or Valve:	
Strainer:	Size of G.A.	Gas Anchor	Description:	
Size :	Type :	Tubing	Strainer:	Size of G.A.
2' 4' 6' 8' 10'		Tubing Subs	Size :	Type :
Size:		Working Bbl	2' 4' 6' 8' 10'	
Plugged or Open:	Size:	Mud Anchor	Size:	
Type:	Size:	Packer	Plugged or Open:	Size:
Length:	Diameter:	Polish Rod	Type:	Size:
Length:	Diameter:	P. Rod Liner	Length:	Diameter:
			Length:	Diameter:
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, RU, CO for tubing, RIH w/ sand line 3 times w/ magnet, caught metal shavings, RIH w/ impression block, imprint was left on side of block, RIH tubing w/ drill collar & flat bottom mill bit, tagged at jt 6 (160 ft), hook up power swivel and water pump, milled to 173 ft, SDON.		

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 Emporia, Kansas 66801

**Invoice # 15760**

Invoice Date 10/25/2010  
 Ordered By Jeff  
 Work Date 10/19/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer: Size of G.A.		Gas Anchor	Strainer: Size of G.A.	
Size : 2' 4' 6' 8' 10'	Type :	Tubing	Size : 2' 4' 6' 8' 10'	Type :
Size:		Tubing Subs	Size:	
Plugged or Open: Size:		Working Bbl	Plugged or Open: Size:	
Type: Size:		Mud Anchor	Type: Size:	
Length: Diameter:		Packer	Length: Diameter:	
Length: Diameter:		Polish Rod	Length: Diameter:	
		P. Rod Liner		
Rod Break: # Down: Body: Box: Other:				
Tubing Leak: #Jts. Down: Split: Hole: Collar Leak: Other:				

Hours	Description	Rate	Amount
	<p><b>Work Description:</b></p> <p>Drove to location, SR, RIH w/ sand line 3 times w/ magnet, caught metal shavings, CO to impression block, RIH, left imprint on both sides of tool, RIH tubing w/ one collar &amp; flat bottom mill bit, started power swivel and water pump, drilled 2 ft, TOOH w/ tubing, Pratt Well Service RIH w/ camera, water too cloudy, TOOH, RIH 5 jts, swabbed hole 6 times to S/N at 158 ft added cups, swabbed 6 more times, TOOH w/ tubing, RIH w/ camera to 164 ft, SDON.</p> <p><b>Remarks:</b></p>		

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**Invoice # 15761**

Invoice Date 10/25/2010  
 Ordered By Jeff  
 Work Date 10/20/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs		Pump or Valve:
Description:		Pump or Valves		Description:
Strainer:	Size of G.A.	Gas Anchor		Strainer:
Size :	Type :	Tubing	2' 4' 6' 8' 10'	Size :
2' 4' 6' 8' 10'		Tubing Subs		Type :
Size:		Working Bbl	2' 4' 6' 8' 10'	Size:
Plugged or Open:	Size:	Mud Anchor		Plugged or Open:
Type:	Size:	Packer		Type:
Length:	Diameter:	Polish Rod		Length:
Length:	Diameter:	P. Rod Liner		Length:
				Diameter:
Rod Break: # Down:	Body:	Box:	Other:	
Tubing Leak: #Jts. Down:	Split:	Hole:	Collar Leak:	Other:

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, start power swivel and water pump, changed out flat bottom mill bit to tapered mill bit, RIH w/ tubing, started drilling from 164 ft to 220 ft, circ hole, SDON.		

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**Invoice # 15762**

Invoice Date 10/25/2010  
 Ordered By Jeff  
 Work Date 10/21/2010

**LEASE / WELL # : Viar #1 SWD**

Pulled from Well		Equipment	Run in Well	
Size :	Type :		Size :	Type :
2' 4' 6' 8' 10'		Sucker Rods	2' 4' 6' 8' 10'	
Pump or Valve:		Rod Subs	Pump or Valve:	
Description:		Pump or Valves	Description:	
Strainer: Size of G.A.		Gas Anchor	Strainer: Size of G.A.	
Size : Type :		Tubing	Size : Type :	
2' 4' 6' 8' 10'		Tubing Subs	2' 4' 6' 8' 10'	
Size:		Working Bbl	Size:	
Plugged or Open: Size:		Mud Anchor	Plugged or Open: Size:	
Type: Size:		Packer	Type: Size:	
Length: Diameter:		Polish Rod	Length: Diameter:	
Length: Diameter:		P. Rod Liner	Length: Diameter:	
Rod Break: # Down: Body: Box: Other:				
Tubing Leak: #Jts. Down: Split: Hole: Collar Leak: Other:				

Hours	Description	Rate	Amount
	<b>Work Description:</b>  Drove to location, SR, hook up power swivel and water pump, laid out 1 jt, circ hole for 30 min, TOO H tubing, RIH w/ sand line (wt bar), stacked out at 260 ft, RD		

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