

# ALLIED OIL & GAS SERVICES, LLC 060421

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
128 Bend 14

DATE <u>5-21-13</u>	SEC <u>15</u>	TWP <u>13</u>	RANGE <u>25</u>	CALLED OUT <u>7:00 PM</u>	ON LOCATION <u>7:00 PM</u>	JOB START <u>7:05</u>	JOB FINISH <u>7:45 PM</u>
LEASE <u>Mishler</u>	WELL # <u>F B1</u>	LOCATION <u>Arnold 4.5 on R12 to</u>			COUNTY <u>New</u>	STATE <u>TX</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			220 RD. 1 1/2 mi. south into				

CONTRACTOR Arcey 3

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 221

CASING SIZE 8 7/8 DEPTH 221

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT 13

OWNER Same

CEMENT

AMOUNT ORDERED 150 m Class A

370cc 2% Mel

COMMON	<u>150</u>	@	<u>17.90</u>	<u>2,685.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@	<u>64.00</u>	<u>320.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>162.09</u>	@	<u>2.48</u>	<u>401.98</u>
MILEAGE	<u>7.4% 33x</u>		<u>2.60</u>	<u>634.92</u>
				TOTAL <u>4,112.10</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Tom Deehan

# 597 HELPER Charles Kuyper

BULK TRUCK

# 599 DRIVER Kevin Wrayson

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Ran 221' of 8 7/8" pipe, Arnolds Csg.  
Arnold 9 hole H2O. Mixed 150 m  
Class A 370cc 2% Mel. Displaced  
with H2O.

Cement Mel Calculate

1 Xanda

CHARGE TO: John O Farmer

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB 221

PUMP TRUCK CHARGE 1512.35

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE Hum 33 @ 7.70 254.10

MANIFOLD @ \_\_\_\_\_

Hum 33 @ 4.40 145.20

TOTAL 1,911.55

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X GALEN GASCHELER

SIGNATURE X Gale Gascher

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 6,023.65

DISCOUNT 1,204.73 IF PAID IN 30 DAYS

4,818.92

JOB LOG

SWIFT Services, Inc.

DATE 5-28-13 PAGE NO. 1

CUSTOMER John O Farmer WELL NO. #1 LEASE Mishler F JOB TYPE Cement 5 1/2" Longstring TICKET NO. 24724

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0430							on location RTD - 4475' TP - 4474' SJ - #1 22.56' P.C. - #66 1769' Cent - #1 #3 #5 #8 #12 #15 #18 #66 Basket - #19 #66 5 1/2" 14" 150' scratchers 175 sks EA-2 w 1/4" Flocele
	0613							Start 5 1/2" 14" casing in well
	0837							Drop Ball Circulate - Rotate -
	0905	6 3/4	12		✓	300		Pump 500 gal Mud Flush
		6 3/4	20		✓	300		Pump 20 bbl KCL Flush
	0915		7-5					Plug RH - MH (30 sks - 20 sks)
	0920	4 1/2	30		✓	200		mix 125 sks EA-2 @ 15.5 ppg Wash out Pump & Lines Release Latch Down Plug
	0933	6 3/4	0		✓	200		Start Displacement
		6 3/4	62		✓	700		Lift PSI
		6 3/4	100		✓	700		Max Lift PSI
	1000	6 3/4	108.6		✓	1600		Land Latch Down Plug
	1003							Release PSI - Hold -  Wash up truck
	1030							Job Complete  Thank You Dave, Blaine, TJ + Doug



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6911

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-5-13				NESS	KS		10:15 A.M.
Lease				Location			
mishlee "F"				Arnold 45 1/2 W S into			
Contractor			Well No.		Owner		
J. M.			1		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Type Job			T.D.		Charge To		
Port collar					J.O. Farmer		
Hole Size			Depth		Street		
7 7/8							
Csg. Size			Depth		City		
5 1/2					State		
Tbg. Size			Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
2 7/8							
Tool			Depth		Cement Amount Ordered		
					250 QMIC 1/4 #110		
Cement Left in Csg.			Shoe Joint				
Meas Line			Displace				
			88CL		USED 160SK		
<b>EQUIPMENT</b>				Common			
Pumptrk 17 No. Cementer				160			
Helper				Craig			
Bulktrk No. Driver				Poz. Mix			
Cody				5			
Bulktrk 12 No. Driver				Gel.			
Chad				Calcium			
<b>JOB SERVICES &amp; REMARKS</b>				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal 62#			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
Port Collar @ 1768. Test to 1000#.				Handling 250			
Open Tool & Mix 5SK gel & Est.				Mileage			
Circulation. Mixed 160SK & Displace.				<b>FLOAT EQUIPMENT</b>			
Cement Circulated!				Guide Shoe			
Close Tool Test to 1000# Run				Centralizer			
5 joints & wash clean				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				Mileage 25			
				Tax			
				Discount			
				Total Charge			
Signature							
Ode Dery							

\* 88CL from Drilling Rig \*



# Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

## DRILLER'S LOG

Operator: John O. Farmer, Inc. Lic# 5135 Contractor: Discovery Drilling Co., Inc. LIC#31548  
370 West Wichita Avenue - P.O. Box 352 PO Box 763  
Russell, KS 67665 Hays, KS 67601

Lease: Mishler "F" # 1 Location: 1815 FNL & 1400 FEL  
SE/NE/SW/NE  
Section 15/ 17S/ 25W  
Ness County, KS

Loggers Total Depth: 4475' API#15- 135-25,599-00-00  
Rotary Total Depth: 4475' Elevation: 2441 GL / 2449 KB  
Commenced: 5/21/2013 Completed: 5/28/2013  
Casing: 8 5/8" @ 220.90'W/150sks Status: Oilwell  
5 1/2" @ 447.4'W/125sks  
(Port Collar @ 1768')

## DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1799'</u>
Dakota Sand	<u>1001'</u>	Shale & Lime	<u>2326'</u>
Shale	<u>1046'</u>	Shale	<u>2649'</u>
Cedar Hill Sand	<u>1263'</u>	Shale & Lime	<u>2978'</u>
Red Bed Shale	<u>1494'</u>	Lime & Shale	<u>3946'</u>
Anhydrite	<u>1768'</u>	RTD	<u>4475'</u>
Base Anhydrite	<u>1799'</u>		

STATE OF KANSAS )  
) ss  
COUNTY OF ELLIS )


Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

  
Thomas H. Alm

Subscribed and sworn to before me on 6-4-2013

My Commission expires: 8-9-2015

(Place stamp or seal below)

  
Notary Public

