



**#1X Biggs 21D**

**(Plugged & Abandoned the Biggs 21D #1 due to excessive vertical borehole deviation and moved 25' west and 3' north for this alternate location)**

1978' FSL & 360' FEL

2' S & 30' W of E/2 NE/4 SE/4 Section 21-21S-18W

Pawnee County, Kansas

API# 15-145-21759-0000

Elevation: 2090' GL, 2099' KB

Sample Tops			Ref. Well
Anhydrite	1168'	+931	+24
B/Anhydrite	1195'	+904	+18
Heebner	3515'	-1416	+80
Toronto	3528'	-1429	+85
Lansing	3597'	-1498	+78
Muncie Shale	3739'	-1640	+76
Stark Shale	3820'	-1721	+76
Hush	3851'	-1752	+82
BKC	3884'	-1785	+83
Marmaton	3910'	-1811	+82
Pawnee	3973'	-1874	+91
Fort Scott	3994'	-1895	+90
Cherokee Shale	4008'	-1909	+110
Conglomerate Sand	4025'	-1926	+95
Arbuckle	4046'	-1947	+126
Reagan Sand	4438'	-2339	N/A
Granite	4460'	-2361	N/A
RTD	4550'	-2451	

# ALLIED OIL & GAS SERVICES, LLC 062888

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Greenville

Biggs 2151 X

DATE <u>4/4/14</u>	SEC <u>21</u>	TWP. <u>21</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION <u>2:11pm</u>	JOB START <u>3:00pm</u>	JOB FINISH <u>4:40pm</u>
LEASE <u>Biggs 2151</u> WELL # <u>1</u>			LOCATION <u>Rushcenter South to road</u>		COUNTY <u>Fluvanna</u>	STATE <u>VA</u>	
OLD OR NEW (Circle one)			IF LN N WIND				

CONTRACTOR Southwind OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE <u>12 3/4</u>	T.D. <u>1163</u>	CEMENT AMOUNT ORDERED <u>400 65/35 6 1/2 gal 3 1/2 gal</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>1175</u>	<u>150 5 1/2 gal 2 1/2 gal</u>
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	
MEAS. LINE	SHOE JOINT <u>23'</u>	
CEMENT LEFT IN CSG. <u>23'</u>		
PERFS.		
DISPLACEMENT <u>73.38 bbl freshwater</u>		

EQUIPMENT

PUMP TRUCK CEMENTER <u>Josh Isaac</u>		
# <u>706</u> HELPER <u>Don Howell</u>		
BULK TRUCK DRIVER <u>Brian Long</u>		
# <u>609-230</u>		
BULK TRUCK DRIVER <u>Andy Pinkel</u>		
# <u>599</u>		

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>1467</u>	@ <u>.80</u>	<u>1,173.60</u>
ASC	@	
<u>400 65/35 7 1/2 gal</u>	@ <u>16.50</u>	<u>6,600.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING <u>615.81</u>	@ <u>2.48</u>	<u>1,527.20</u>
MILEAGE <u>26.38 x 3.5 x</u>	<u>2.60</u>	<u>2,400.58</u>
		TOTAL <u>14,456.58</u>

**REMARKS:**

On location - Rig up - had setting meeting  
Run 8 5/8 casing - Break circulation - set pipe back  
Temp to 661 fresh water  
Mix 400 65/35 6 1/2 gal 3 1/2 gal - head  
mix - 150 class A 3 1/2 gal 2 1/2 gal - tail  
Drop plug  
Displace 73.38 bbl freshwater  
Drop plug 100 psi - Cement did work  
Rig down

CHARGE TO: Ritchie Exploration  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB <u>1175</u>		
PUMP TRUCK CHARGE <u>2213.25</u>		
EXTRA FOOTAGE	@	
MILEAGE <u>Hvm 35</u>	@ <u>7.70</u>	<u>269.50</u>
MANIFOLD	@ <u>400.00</u>	<u>400.00</u>
<u>hvm 35</u>	@ <u>4.40</u>	<u>154.00</u>
	@	
		TOTAL <u>3,037.57</u>

**PLUG & FLOAT EQUIPMENT**

AFU Insect	@ <u>446.94</u>	<u>446.94</u>
Rubber plug	@ <u>131.04</u>	<u>131.04</u>
	@	
	@	
	@	
		TOTAL <u>577.98</u>

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 Frank Rome  
SIGNATURE X Frank Rome

Thank you!

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 18,072.13  
DISCOUNT 3,614.43 IF PAID IN 30 DAYS  
14,457.70



