

ALLIED OIL & GAS SERVICES, LLC 060204

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Darley

DATE <u>5-2-13</u>	SEC. <u>27</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00</u>	JOB FINISH <u>4:30</u>
LEASE <u>Amova</u>	WELL # <u>2-281</u>	LOCATION <u>Darley ks, 9 1/2 miles south</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		West into					

CONTRACTOR Duke 4 OWNER Same

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>220</u>	CEMENT
CASING SIZE <u>8 3/4</u>	DEPTH <u>480</u>	AMOUNT ORDERED <u>165cm³ 3% cc 2% gel</u>
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <u>165</u> @ <u>17.25</u> <u>2958.00</u>
MEAS. LINE	SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. <u>15'</u>		GEL @ <u>23.00</u> <u>70.00</u>
PERFS.		CHLORIDE @ <u>64.00</u> <u>384.00</u>
DISPLACEMENT <u>13.05</u>		ASC @

EQUIPMENT		
PUMP TRUCK	CEMENTER <u>Dane Petroloff</u>	
# <u>386/481</u>	HELPER <u>Paul Beaver</u>	
BULK TRUCK		
# <u>347</u>	DRIVER <u>Chris Helpingstien</u>	
BULK TRUCK		
#	DRIVER	
		HANDLING <u>178.415 ft³</u> @ <u>2.22</u> <u>442.97</u>
		MILEAGE <u>2.40^m/mile</u> <u>8.143^{km}</u> @ <u>201.13</u>
		TOTAL <u>4051.10</u>

REMARKS:

Pump cement
Release plug
Wash up / Displace
Cement did circulate

SERVICE

DEPTH OF JOB	<u>220'</u>	
PUMP TRUCK CHARGE		<u>1512.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>9.5</u>	@ <u>7.70</u>	<u>73.15</u>
MANIFOLD <u>Head</u>	@	<u>275.00</u>
<u>Lik. Vehicle</u>	@ <u>4.00</u>	<u>41.00</u>
	@	

TOTAL 1902.00

CHARGE TO: Grand Mesa Operating Inc
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 3/4 wooden plug</u>	@ <u>107.64</u>	<u>107.64</u>
	@	
	@	
	@	
	@	

TOTAL 107.64

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.

SALES TAX (if Any) _____
TOTAL CHARGES 6060.94
DISCOUNT 1,272.79 IF PAID IN 30 DAYS
4,788.14 Net.

PRINTED NAME Rich Wheeler
SIGNATURE Rich Wheeler

JOB LOG

SWIFT Services, Inc.

DATE 5-31-13 PAGE NO.

CUSTOMER Grand Mesa WELL NO. 227 LEASE Janova JOB TYPE 5 1/2 long string TICKET NO. 24427

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500							On location
								TD 4715 SS 12
								TP 4712 Inset 4700
								PL Top 452 2550' 5 1/2 x 15.5"
								Centralizers 2, 4, 6, 8, 10, 12, 14, 51
								Baskers 3, 52
	0730							Start casing
	0930							Drop Ball Break circulation Rotate
	1010		7/5					Plug RT 30 sks 4420 sks
	1015	5	12		✓		300	Start Mud flush
		5	20		✓		300	Start HCL flush
		5	25		✓		200	Start Cement 70 sks SMD @ 12.7"/in
		5	24		✓		200	Start EAZ 100 sks
	1038							Drop Plug
								Wash out Pump + Lines
	1040	6.5			✓		200	Start Displacement
	1100		111.8		✓		700/1500	land plug
								Release Dry
								wash up neck up
	1145							Job complete
								Thank You
								Just, Brian, John

JOB LOG

SWIFT Services, Inc.

DATE 10/13/13 PAGE NO. 1

CUSTOMER Grand Mesa WELL NO. 2-27 LEASE Genova JOB TYPE cement port collar TICKET NO. 24380

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								300 sacks SMD w/ 1/4" floccules 5 1/2 x 2 3/8 port collar 2550'
	1010							on loc TRK 114
	1225					1000	1000	test to 1000 psi - held open port collar
	1235	3 1/2	2			250		inj rate 3 1/2 bpm @ 250 psi
	1240	3 1/2				250		mix SMD cement @ 11.2 ppg fluid to surface
		3 1/2	4			300		
	1308	3 1/2	170			400		— cement to surface —
								{ 225 sacks mixed } 30 to pit
	1310	3 1/2	14			400		displace w/ H ₂ O
								close port collar
	1320					1000	1000	test to 1000 psi - held
	1338		27					Run 5 joints Reverse hole clean - 2 cement flags
	1350							wash trucks
								Rack up wait on tool job complete
	1420							Thanks Dave Durr / SAAC

Pro-Stim Chemicals LLC

Acidizing Report

Date 6/26/13

Customer <u>Grand Mesa</u>		Pro-Stim Chemical Yard <u>Dighton</u>		Pro-Stim Number <u>A#9</u>	
Well Name & Number <u>Inova 2-27</u>		Field		Formation <u>Spot</u>	
County <u>Logan</u>	State <u>KS</u>	BHT	YD	Interval <u>4589-93, 4597-4604</u>	

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing Casing Annulus CTU Combination Plug Depth _____ Packer Depth 4540

Casing Size: <u>5 1/2</u>	GRD	WT	Depth	Tubing Size: <u>2 7/8</u>	GRD	WT	Spot <u>4617</u>
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Casing Vol.	Tbg Vol	Ann Vol	OH Vol	Total Displacement <u>2715</u>
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Maximum Pressure	Tubing	Casing	Proposed Pump Time	AOL	Leave Loc
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Special Instructions:

<u>1250 Gal 15% HC-1</u>	<u>5 gals AC-307, 4 gals AI-150</u>
<u>20 Gal Renab</u>	<u>25 Bio-balls</u>
<u>5 Gal AR-630</u>	<u>30 BBUS 2% KCL</u>
<u>5 Gal S-262</u>	<u>40 gals S-3000</u>

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
1	Acid						Prs Test to _____ psi
10	Acid	5.0		10.0	0	0	
11	Acid	5.1		10.1	0	0	<u>Started Balls</u>
13	Acid	5.0		22.3	0	0	<u>Balls Conc</u>
14	Acid	5.0		27.3	0	0	<u>Well Loaded</u>
15	Acid	0		27.4	500	0	
16	Acid	0		27.5	750	0	
19	Acid	.25		28.3	1000	0	
20	Acid	.80		28.6	650	0	
21	Acid	1.50		29	700	0	
22	Acid	2.0		30	800	0	<u>Acid Conc</u>
23	Flush	2.0		32	700	0	
24	Flush	2.5		34	750	0	
25	Flush	2.5		36	700	0	
26	Flush	3.0		40	800	0	
27	Flush	3.0		45	700	0	
28	Flush	3.0		49	600	0	
29	Flush	3.0		54	600	0	
30	Flush	3.0		57.5	600	0	

Treatment Synopsis

Avg Inj Rate	Fluid BPM <u>2.5</u>	Total Injected		H2O <u>27.5</u>	Acid <u>30</u>	Oil
Treating Prs	Max <u>1000</u>	Final <u>600</u>	Avg. <u>700</u>	ISIP <u>500</u>	5'SI <u>150</u>	10'SI <u>9 min</u>
Customer Representative	<u>John A. [Signature]</u>			Pro-Stim Supervisor		

Pro-Stim Chemicals LLC

Acidizing Report

Date 6/28/13

Customer <u>Grand Mesa</u>		Pro-Stim Chemical Yard <u>Dighton</u>		Pro-Stim Number <u>Ab</u>	
Well Name & Number <u>Janova 2-27</u>		Field		Formation <u>Spot 1 barrel</u>	
County <u>Logan</u>	State <u>KS</u>	BHT	YD	Interval <u>4119-23</u>	

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing Casing Annulus CTU Combination Plug Depth Packer Depth 4080

Casing Size: 5 1/2 GRD WT Depth Tubing Size: 2 7/8 GRD WT Spot 4120

Casing Vol. 1.02 Tbg Vol 23.6 Ann Vol OH Vol Total Displacement

Maximum Pressure Tubing Casing Proposed Pump Time AOL Leave Loc

Special Instructions: 250 gals RWR-2 15% acid
25 bbls KCL Biocide 2%

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
<u>1</u>	<u>Acid</u>		<u>Spot</u>	<u>1</u>			<u>Spot Acid</u>
<u>12</u>	<u>Acid</u>	<u>3.2</u>		<u>20</u>	<u>40</u>		
<u>13</u>	<u>Acid</u>	<u>3.2</u>		<u>6</u>	<u>40</u>		<u>Acid gone</u>
<u>20</u>	<u>Flush</u>	<u>0</u>		<u>23.5</u>	<u>80</u>		<u>loaded</u>
<u>22</u>	<u>Flush</u>	<u>.2</u>		<u>23.8</u>	<u>650</u>		
<u>23</u>	<u>Flush</u>	<u>.5</u>		<u>24.2</u>	<u>580</u>		
<u>24</u>	<u>Flush</u>	<u>.75</u>		<u>24.8</u>	<u>440</u>		
<u>24</u>	<u>Flush</u>	<u>1.0</u>		<u>25.2</u>	<u>380</u>		
24 <u>24</u>	<u>Flush</u>	<u>2.0</u>		<u>27.1</u>	<u>470</u>		
<u>28</u>	<u>Flush</u>	<u>2.0</u>		<u>31</u>	<u>360</u>		<u>Total load</u>

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected			H2O <u>25</u>	Acid <u>6</u>	Oil	<u>VAC-14</u>
Treating Prs	Max <u>650</u>	Final <u>380</u>	Avg.	ISIP <u>300</u>	5'SI <u>70</u>	10'SI <u>30</u>	<u>10</u> min	
Customer Representative				Pro-Stim Supervisor	<u>Shannon M.</u>			