

SouthWest Acid Services, LLC

TREATMENT REPORT

Customer: MIDWESTERN EXPLORATION				Lease Name: NIK				
Date: 7-2-12				Well #: 1-7		Legal Description: F-355-35W		
Ticket #: 2962		Formation: BASAL CHESTER		Casing: 5 1/2		Tubing: 2 3/8		
Job Type: ACID BALLOUT				County & State: STEVENS KANSAS				
Casing Size: 5 1/2	Pipe Date: 2 3/8	Tubing Size: 2 3/8	Perforating Date: 65AF	Customer: Billy Daugherty		Acid Type: 74% NIFE		
Depth: 6574'	Depth: 90'	From:	To:	Treater: DYNOLLS	Volume: 2000		Flush Type: KCL	
Volume:	Volume:	From:	To:	Driver: J. DAY	Volume: 5000		Truck: 3-3T	
Max PSI:	Max PSI:	From:	To:	Treatment Resume				ISIP: 325
Well Connection:	Annulus Volume:	From:	To:	Rate: 3.7	Pressure: 2450	4 Min: VAR		10 Min: /
Plug Depth:	Packer Depth: 6520'	From:	To:	Min: 1.3	Pressure: 950	15 Min: /		Total Load: 75 BBL
				Avg: 3.5	Pressure: 1300			
				N2 Volume:				

Time	Casing Pressure	Tubing Pressure	Bbl Pumped	Rate	Jog Log
					On Location
					SAFETY MEETING
815	0		0 BBL	2.5	LOAD ANNULUS
837	500		87	1.3	LOADED
846		0	0 BBL	2.5	START ACID ↓ TBNV
850		14	8	2.6	START BAUS
857		2450	24.1	1.7	HOLE LOADED
		1130	26	3	RATE ESTABLISHED
905		1360	48	3.5	START FLUSH
911		1590	65	3.5	PUMPING FLUSH
914		1660	75	3.7	SHUT DOWN - JOG COMPRESS
		325			ISIP
					THANK YOU FOR CALLING
					SOUTHWEST ACID SERVICES
					DICK + LAKOS

Liberal Office Machines



BASICSM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <i>Midwestern Exploration</i>		Lease No.		Date <i>6/7/12</i>							
Lease <i>Nix</i>		Well # <i>1-7</i>		Service Receipt							
Casing <i>5 1/2</i>	Depth <i>6800'</i>	County <i>Stevens</i>		State <i>Ks</i>							
Job Type <i>L.S.</i>		Formation		Legal Description <i>7-35-35</i>							
Pipe Data			Perforating Data			Cement Data					
Casing size <i>5 1/2</i>			Tubing Size			Lead <i>150 3/8</i>					
Depth <i>6928.45</i>			Depth			From					
Volume <i>159.13</i>			Volume			To					
Max Press <i>2500#</i>			Max Press			From					
Well Connection <i>P.C.</i>			Annulus Vol.			To					
Plug Depth			Packer Depth			From					
						To					
						1.514 6.64 gal					
						Tail-in <i>60/40 @ 13.5#</i>					
						<i>RTM</i>					
						1.6014 8.81 gal					
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log						
14.00					<i>on loc, 3rd tracks, R.O. Safety mtg</i>						
18.26	2500				<i>Test Lines</i>						
18.29	420		12	5	<i>Pump Stop Work</i>						
18.34	400		5	5	<i>1120 Spacer</i>						
18.35	420		0	5	<i>Start Mixing @ 14.8#</i>						
18.46	0		10	-	<i>Finished Mixing, Drop Plug, Washup</i>						
18.53	0		0.5	6.5	<i>Start Disp.</i>						
19.17	350		150	3	<i>Slow Rate</i>						
19.20	1200		159	-	<i>Plug Down</i>						
19.21					<i>Release for Heat held</i>						
20.00					<i>Plug RTM</i>						
20.15					<i>Job Complete</i>						
Service Units		19488		39223		39926		14354		19578	
Driver Names		CHINE		R. Uels		S. Chavez					

Bill DeGroot
Customer Representative

Vernon Burnett
Station Manager

Charles Hines
Cementer

Customer Midwestern Exp.	Lease No.	Date 7-6-12
Lease N.L.	Well # 1-7	
Field Order #	Station 1777	Casing 5 1/2
		Depth
Type Job 60 Q FOAM FRAC ZBZ	Formation CHESTER	County STEVENS
		State K1
		Legal Description 7-355-35W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 1/2							2600	
Depth 6590	Depth	From 6574	To 6590	Pre Pad ProFrac 2000	Max 15	3127	5 Min. 2100	
Volume 60.73	Volume	From	To	Rad 42000 gal 60Q	Min 7 1/2	1407	10 Min. 2050	
Max Press. 3300	Max Press	From	To	Frac 1789 gal	Avg 15	2200	15 Min. 2016	
Well Connection	Annulus Vol.	From	To	60G ProFrac 2000	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flysh 2630 gal 60Q	Gas Volume REL 200		Total Load	

Customer Representative B. T. Dorech	Station Manager JERRY BENNETT	Treater T. SEBA / J. Dorech
Service Units 71183 19876 30325 12945 70230 70192 70330 12978 70330		
Driver Names TOOD SETH Heckel Santiago Eitel		JUAN

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:38					on loc
					Hold SAFETY MTG & Rig up tek's
8:26	4300				Prime p & PST TEST 6'78
8:33				7.5	START 12,000 gal PAO 1/2 RATE
8:35	1000		18		LOADED
8:38	1407		23	15	EST RATE
8:55	2338		114		START 3,500 gal 1" 20/40
9:00	2250		149		START 6,000 gal 1 1/2" 20/40
9:04	2160		177		1" 20/40 on Bottom
9:09	2210		210		START 6,000 gal 2" 20/40
9:09	2197		212		1 1/2" 20/40 on Bottom
9:17	2039		272		START 4,000 gal 2 1/2" 20/40
9:17	1982		273		2" 20/40 on Bottom
9:23	2010		314		START 3,000 gal 3" 16/30 RC
9:26	1966		335		2 1/2" 20/40 on Bottom
9:28	2011		356		START Flush
9:32	2257		377		3" 16/30 RC on Bottom
9:38	3127		419		SHUT DOWN
9:38	2600				ISIP
9:43	2100				5 min
9:48	2050				10 min
9:53	2016				15 min

ALLIED OIL & GAS SERVICES, LLC 053424

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Liberals

DATE <u>05-30-12</u>	SEC. <u>7</u>	TWP. <u>33</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00p.m</u>	JOB FINISH <u>5:00p.m</u>
LEASE <u>Nix</u> WELL# <u>1-B</u> LOCATION <u>N.W. Liberals</u>						COUNTY <u>Stevens</u>	STATE <u>Ks.</u>
1980 FSL 660 FwL							
OLD OR (NEW) (Circle one)							

CONTRACTOR Duke
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 1687 feet
 CASING SIZE 8 5/8 24 DEPTH 1687 feet
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 40 feet
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER Mid western
 CEMENT
 AMOUNT ORDERED 400 sk "A" 3% CC, 2% S.M, 2% Gyp Seed, 1/4 fls seed, 150 sk "H", 2% CC, 2% Gcl
 COMMON 400' "A" @ 16.25 6,500.00
 POZMIX @
 GEL 3 @ 21.25 63.75
 CHLORIDE 18 @ 58.20 1,047.60
 ASC @
 CHP - Cass "H" Premium 150 @ 19.25 2,887.50
 NAMS - Sodium M.752# @ 3.00 2,256.00
 Gyp Seed 8 @ 34.20 273.60
 Fisi. 138# @ 2.70 372.60
 Strip Loss Spinner 42.0 @ 6.20 2,604.00
 HANDLING 605.10 Cwt @ 2.25 1,361.48
 MILEAGE 547 km @ 2.35 1,287.10
 TOTAL 18,653.62

EQUIPMENT
 PUMP TRUCK CEMENTER Puben Chavez
 # 331/941 HELPER Cesar Pavia
 BULK TRUCK
 # 472/467 DRIVER Angel Tapia
 BULK TRUCK
 # 470/520 DRIVER Vicente Torres

REMARKS:
Pump 1000 Spacer ahead, Mix & pump 550 sk cement and displace it with 1047.60 at 900 PSI To land plug.
Thank you

SERVICE
 DEPTH OF JOB 1687 feet
 PUMP TRUCK CHARGE 1925.00
 EXTRA FOOTAGE @
 MILEAGE heavy Vld 20 @ 7.00 140.00
 MANIFOLD high Vld 20 @ 4.00 80.00
 C.M.H.M @ 2.00 200.00
 TOTAL 2,345.00

CHARGE TO: Mid Western
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT
8 5/8
 Guide Shoe 1 @ 394.00 394.00
 AFU Float Valve 1 @ 382 382.00
 Centralizer 3 @ 64.00 192.00
 Cement basket 1 @ 478.00 478.00
 Top R. plug 1 @ 112 112
 TOTAL 1,558.00

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 22,556.62
 DISCOUNT \$14,661.80 IF PAID IN 30 DAYS

PRINTED NAME Billy Daugherty
 SIGNATURE Billy Daugherty