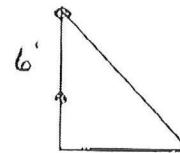


**RAT HOLE
DRILLING REPORT**

Driller Hawis Rig # _____
 Pusher _____ Date Start 12-11-11
 Helper Miko Date Comp 12-12-11
 Helper Tarrad

Company Sackridge Drill Rig Lovate 45
 Lease Name Lease # 1-2H
 City Kiowa
 County Barber
 State Kansas



Directions _____

	Depth	X	Diameter	Drilling Conditions:
Conductor				
Hole	<u>90'</u>	X	<u>30"</u>	
Pipe	<u>90'</u>	X	<u>20"</u>	
Rat				
Hole	<u>N/A</u>	X		
Casing	<u>N/A</u>	X		
Mouse				
Hole	<u>80'</u>	X	<u>20"</u>	
Casing	<u>80'</u>	X	<u>1 1/2" Pipe</u>	
Cellar				
Tin Horn	<u>6</u>	X	<u>6"</u>	

CEMENT

Yards: 10 Type: 10 sack grout Furnished by: Les Raddy Mix

Pumped: Yes No Furnished by: Express # trucks 1
 Mud Truck: Yes No Furnished by: Express # trucks 1
 Water Truck: Yes No Furnished by: _____ # trucks _____
 Vac Truck: Yes No Furnished by: Express # trucks 1

HOLE COVERS: Main # _____ M/R # _____ OLD NEW NONE

JOB SUMMARY			PROJECT NUMBER SOK1150	TICKET DATE 01/19/12
COUNTY Barber	State Kansas	COMPANY Sandridge Exp and Production	CUSTOMER REP Claude Hallmark	
LEASE NAME Lori	Well No. 1-2H	JOB TYPE Surface	EMPLOYEE NAME Louis Arney	

EMP NAME					
Louis Arney					
Jason Jones					
Bryon Douglas					
John Hall					

Form. Name _____ Type: _____
 Packer Type _____ Set At 0
 Bottom Hole Temp. 80 Pressure _____
 Retainer Depth _____ Total Depth 950'

Date	Called Out	On Location	Job Started	Job Completed
	1/19/2012	1/19/2012	1/20/2012	1/20/2012
Time	16:00	21:30	1:40	3:10

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	45.5#	10 3/4"		Surface	950'	1,500
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		14 3/4"		Surface	950'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	resh Water BBL.	10	8.33
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/19	2.5	1/20	1.5	Surface
1/20	4.0			
Total	6.5	Total	1.5	

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____
 Other _____

Pressures		
MAX	1,500 PSI	AVG 300
Average Rates in BPM		
MAX	8 BPM	AVG 5
Cement Left in Pipe		
Feet	45	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	560	O-Tex Lite Standard	(5%Gel) 2% Calcium Chloride - 1/4 lb/sk Cellflake - 0.5% C-41P	10.88	1.84	12.70
2	240	Standard	2% Calcium Chloride - 1/4 lb/sk Celloflake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on the side	5.20	1.18	15.60

Summary					
Preflush	10.00	Type: FRESH WATER	Preflush:	BBI	10.00
Breakdown	N/A	Pad:Bbl -Gal N/A	Load & Bkdn:	Gal - BBI	N/A
	47	Calc. Disp Bbl	Excess /Return	BBI	47
Average	SURFACE	Actual Disp.	Calc. TOC:		SURFACE
1500	5 Min	10 Min	286	Final Circ.	PSI: 500
		15 Min		Cement Slurrv:	BBI 234.0
				Total Volume	BBI 331.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK1172	TICKET DATE 01/28/12
COUNTY Barber	State Kansas	COMPANY Sandridge Exp and Prod	CUSTOMER REP Claude Hallmark	
LEASE NAME Lori	Well No 1-2H	JOB TYPE Intermediate	EMPLOYEE NAME L.Arney	

EMP NAME LOUIS ARNEY				
JASON JONES				
BILLY TAFF				
MARCCOS QUINTANA				

Form. Name _____ Type: _____
Packer Type _____ Set At **0**
Bottom Hole Temp. **0** Pressure _____
Retainer Depth _____ Total Depth **5238**

Date	Called Out 1/28/2012	On Location 1/28/2012	Job Started 1/28/2012	Job Completed 1/28/2012
Time	2:00	13:00	13:50	14:55

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26.0	7		Surface		
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			8 3/4		Surface	5,238	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
	WBM	Density	Lb/Gal
Mud Type	H2O	9	
Disp. Fluid	H2O	8.33	
Spacer type	20 BBL.	AU, H2I	
Spacer type	10 BBL.	H2O	
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	ln	
NE Agent	Gal.	ln	
Fluid Loss	Gal/Lb	ln	
Gelling Agent	Gal/Lb	ln	
Fric. Red.	Gal/Lb	ln	
MISC.	Gal/Lb	ln	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/28	3.0	1/28	1.3	Intermediate
Total	3.0	Total	1.3	

Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____
Other _____

Pressures			
	MAX	AVG	
5000		300	
Average Rates in BPM			8
MAX	8	AVG	6
Cement Left in Pipe			
Feet	82	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	250	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary								
Preflush	10	Type:	CAUSTIC H2O	Preflush:	BBI	20.00	Type:	FRESH WATER
Breakdown			MAXIMUM	Load & Bkdn:	Gal - BBI			Pad:Bbl -Gal
			Lost Returns-h	Excess /Return	BBI			Calc. Disp Bbl
			Actual TOC	Calc. TOC:		2,961		Actual Disp.
Average		Frac. Gradient		Treatment:	Gal - BBI			Disp:Bbl
5 Min.		10 Min.	15 Min.	Cement Slurry:	BBI	64.0		
				Total Volume	BBI	276.00		

CUSTOMER REPRESENTATIVE *Claude Hallmark* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK1221	TICKET DATE 02/17/12
COUNTY Barber	STATE Kansas	COMPANY Andridge Exp and Productio	CUSTOMER REP Felix Ortiz Sr.	
LEASE NAME Lori	Well No. 1-2H	JOB TYPE Liner	EMPLOYEE NAME Charles Spracklen	

EMP NAME Charles Spracklen	Thomas Walker				
Robert Burris					
Bryan Douglas					
Mark Boethin					

Form. Name _____ Type: _____

Packer Type _____ Set At **5,237'**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **11,847'**

Date	Called Out 2/17/2012	On Location 2/17/2012	Job Started 2/17/2012	Job Completed 2/17/2012
Time	17:00	20:00	21:00	00:30

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Val	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		11.6	4 1/2		4,855'	11,847'	3,500
Liner Tool			2 1/4ID		4,837'	4,855'	3,500
Drill Collars			2 1/4ID		3,895.07'	4,837'	3,500
Drill Pipe			3 1/2"		Surface	3,895.07'	3,500
Open Hole			6 1/8"		Surface	11,847'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	Lb/Gal
Spacer type	Fresh Water BBL.	20	8.33
Spacer type	Caustic BBL.	10	8.40
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
2/17		2/17		Liner
Total	0.0	Total	0.0	

Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____
Other _____

Pressures	
MAX 2000	AVG. 980
Average Rates in BPM	
MAX 6 BPM	AVG 5
Cement Left in Pipe	
Feet 80	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	725	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41 - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	10-	Type: Caustic	Preflush: BBI	20.00	Type: Fresh Water
		MAXIMUM 3,500 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N NO/FULL	Excess /Return BBI	N/A	Calc. Disp Bbl 157
		Actual TOC 4,337'	Calc. TOC:	4,337'	Actual Disp. 148.00
Average		Bump Plug PSI:	Final Circ. PSI:		Disp:Bbl
15 Min	5 Min	10 Min	15 Min	185.9	
			Cement Slurry: BBI	353.94	
			Total Volume BBI		

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____