

# **Depend on US**

# Post Job Report

# **Merit Energy**

Mabel 1-21 9/14/2016-9/19/2016 8.625" Surface Casing Haskell County, KS





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### 1.0 Executive Summary

Allied Oil & Gas Services would like to thank you for the award of the provision of cementing products and services on the well Mabel 1-21.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied returned to location four times to cement surface casing due to hole trouble and cement falling repeatedly. Allied started each job testing lines to 2000 psi. After a successful test we began the job by pumping 10 bbls of Fresh Water spacer. We then mixed and pumped the following cements:

#### Job 1:

363.32 bbl	800	Sacks of 12.1 ppg
Class A Slurry -	2.55	Yield

2.0% Sodium Metasilicate

2.0% Gypsum

4.0% Gel

2.0% Sodium Chloride

3.0 % Calcium Chloride

0.25 lb Cellophane Flake

39.58 bbl	175 Sacks of 15.2 ppg
Class A Slurry -	1.27 Yield

2.0 % Calcium Chloride 0.25 lb Cellophane Flake

#### Job 2:

26.36 bbl	100	Sacks of 14.	.8 ppg
Class A Slurry -	1.48	Yield	

6.0% Gypsum

2.0% Gel

10.0% Sodium Chloride

42.39 bbl

200 Sacks of 15.6 ppg

Class H Slurry -

1.19 Yield

2.0 % Calcium Chloride 0.25 lb Cellophane Flake



182.55 bbl	500	Sacks of 13.0 ppg
Class A Slurry -	2.05	Yield

2.0% Sodium Metasilicate

2.0% Gypsum

4.0% Gel

2.0% Sodium Chloride

3.0 % Calcium Chloride

0.25 lb Cellophane Flake

Topped out with 200 sacks (42.38 bbl) of Class A with 2% Calcium Chloride mixed at 15.6 and 1.2 yield. Cement to Surface.

#### Job 3:

172.58 bbl	380	Sacks of 12.1 ppg
Class A Slurry -	2.55	Yield

2.0% Sodium Metasilicate

2.0% Gypsum

4.0% Gel

2.0% Sodium Chloride

3.0 % Calcium Chloride

0.25 lb Cellophane Flake

11.31 bbl

50 Sacks of 15.2 ppg

Class A Slurry -

1.27 Yield

2.0 % Calcium Chloride 0.25 lb Cellophane Flake

Job 4:

16.96 bbl

80 Sacks of 15.6 ppg

Class A Slurry -

1.19 Yield

3.0 % Calcium Chloride

17.38 bbl

82 Sacks of 15.6 ppg

Class A Slurry -

1.19 Yield

2.0 % Calcium Chloride

The top plug was then released and displaced with 90 Bbls of Fresh Water. The plug bumped and was pressured to 1000 psi. Upon release the floats held. 105 bbl cement returned to the pit.

All real time data can be view in the Job Summary section.



Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.



Job Number:	Lib 1609141546	Job Purpose	01 Surface		Ī		
Customer:	MERIT ENERGY	COMPANY				Date:	9/14/2016
Well Name:	Mabel			Number:	1-21	API/UWI:	
County:	Haskell		City:	Sublette		State:	KS
Cust. Rep:			Phone:		Rig Phone:		
Legal Desc:					Rig Name:	D	uke Drilling#9
Distance	50	miles (one wa	γ)	Supe	rvisor Hector E		

Employees:	Emp. ID:	Employees:	Emp. ID:
Lenny B.		Hector E.	
Carlos I.		Victor G.	
Victor V	201.001.00		
Equipment:			
903-541		993-467	
1080-842		774-1066	
TOWNSHIP STORAGE COST ALM	L 2000-03		122/1822/2020

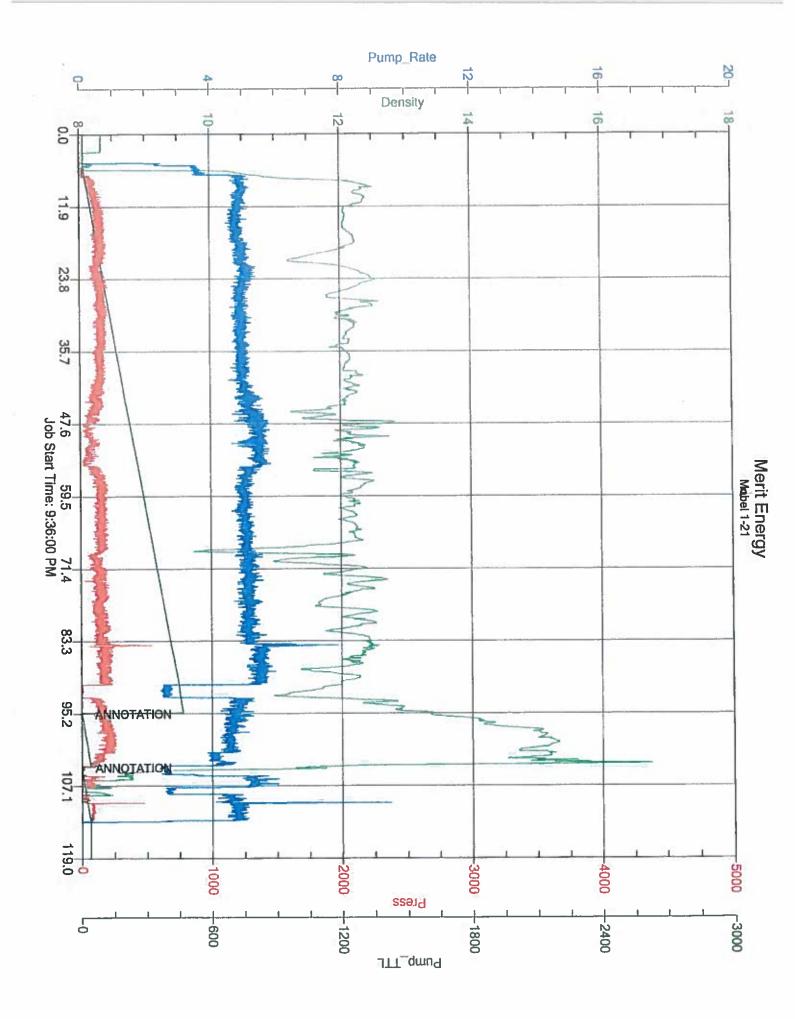
		Well Info	rmation	AND THE REAL PROPERTY.		
		Open Ho	le Section			MIT NAME OF STREET
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	Valletin	
OPEN HOLE	12 1/4	110%	1245	1,480	TAIL C	EMENT
OPEN HOLE	12 1/4	110%	0	1,245	LEAD C	EMENT
OPEN HOLE	12 1/4			0		
OPEN HOLE	12 1/4					
<b>三世界和西班牙</b> 及1000年1		Tub	ulars			
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft
TOTAL CASING	8 5/8	24	8.097	J-55	0	1,480
SHOE	8 5/8	24	8.097	J-55	1,438	1,480

	Materials - Pt	umping Schedule	Ellens Drea		The state of the s
Fluid Name	Description	Rqstd Qty	Density	Yleid	Water (gal/sk)
Spacer 1	Fresh Water	10	8.33	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	800	12.10	2.55	14.86
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82 % BWOC		2256.0 lbm	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	400.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS A COMMON	175	15.20	1.27	5.74
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	329.0	1bm
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	87.5	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	91.57695897	8.33	n/a	n/a

Distance	50 miles (one wa	ıy)		Superviso	or Hect	or Esqueda
Cust. Rep:		Phone:		Rig Phone		0
County:	Haskell	Clty:	Sublette		State:	KS
Well Name:	Mabel		Number:	1-21	API/UWI:	
Customer:	MERIT ENERGY COMPANY				Date:	9/14/2016
Job Number:	Lib1609141546 Job Purpose	01 Surface				

ATTTTT

TIME PRESSURE - (PS) FUID PUMPED DATA AM/PM CASING ANNULUS VOLUME RATE (BPM) Call Out Arrived to location 19:300 Rig up Prime Up 13:47 16:0 365 5 Start Lead Cement @ 12.1# 15:22 2.5 Slowed rate to switch hose on trucks 15:26 15:0 39 5 Start Tall Cement @ 15.2# 15:36 32 3 Wash up And Start 32bib Diplacement Company men request 32.5bib gone and no psi shut valve on swed going to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job Waiting to see how much cement to do 1" down the casing or down 8 5/8 casi	AM/PM			FLUID PUMPED DATA		
S:00  Arrived to location  Rig up  Prime Up  13:40  13:57  160  365  5  Start Lead Cement @ 12.1#  15:22  2.5  Slowed rate to switch hose on trucks  15:26  150  39  5  Start Tail Cement @ 15.2#  15:36  32  3  Wash up And Start 32bbls Displacement  and go half a barrel over displacement  Company men request  15:46  32bbls gone and no psi shut valve on swedding going to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job  Walting to see how much cement	3:00	CASING	ANNULUS	VOLUME	RATE (BPM)	COMMENTS
12:30 13:40 13:40 13:57 160 160 160 160 17:52 17:20 17:20 180 180 190 190 190 190 190 190 190 190 190 19						Call Out
13:40 Prime Up  13:57 160 365 5 Start Lead Cement @ 12.1#  15:22 2.5 Slowed rate to switch hose on trucks  15:26 150 39 5 Start Tail Cement @ 15.2#  15:36 32 3 Wash up And Start 32bbis Displacement  and go half a barrel over displacement  Company men request  15:46 32bbis gone and no psi shut valve on swedding to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job  Waiting to see how much cement	5:00					Arrived to location
13:40 Prime Up  13:57 160 365 5 Start Lead Cement @ 12.1#  15:22 2.5 Slowed rate to switch hose on trucks  15:26 150 39 5 Start Tail Cement @ 15.2#  15:36 32 3 Wash up And Start 32bbis Displacement  and go half a barrel over displacement  Company men request  15:46 32bbis gone and no psi shut valve on swedding to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job  Waiting to see how much cement	12:30					Rig up
15:22 2.5 Slowed rate to switch hose on trucks 15:26 150 39 5 Start Tail Cement @ 15.2# 15:36 32 3 Wash up And Start 32bbis Displacement and go half a barrel over displacement Company men request 32bbis gone and no psi shut valve on swed going to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job Waiting to see how much cement	13:40					
15:26 150 39 5 Start Tail Cement @ 15.2# 15:36 32 3 Wash up And Start 32bbls Displacement and go half a barrel over displacement Company men request 32bbls gone and no psi shut valve on swed going to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job Waiting to see how much cement	13:57	160		365	5	Start Lead Cement @ 12.1#
15:36  32  3 Wash up And Start 32bbls Displacement and go half a barrel over displacement Company men request  15:46  32bbls gone and no psi shut valve on swed going to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job  Waiting to see how much cement	15:22				2.5	Slowed rate to switch hose on trucks
and go half a barrel over displacement  Company men request  15:46  32bbls gone and no psi shut valve on swed going to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job Waiting to see how much cement	15:26	150		39	5	
15:46 Company men request 15:46 32bbls gone and no psi shut valve on swed going to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job Waiting to see how much cement	15:36			32	3	Wash up And Start 32bbls Displacement
15:46  32bbls gone and no psi shut valve on swed going to wait 2.5hr for cement to set did not get cement to surface or had any returns durning the whole job  Waiting to see how much cement						and go half a barrel over displacement
going to wait 2.5hr for cement to set  did not get cement to surface or had any returns durning the whole job  Waiting to see how much cement						Company men request
did not get cement to surface or had any returns durning the whole job  Waiting to see how much cement	15:46					
returns durning the whole job Waiting to see how much cement						going to wait 2.5hr for cement to set
Waiting to see how much cement						
						returns durning the whole job
to do 1" down the casing or down 8 5/8 casi						Waiting to see how much cement
						to do 1" down the casing or down 8 5/8 casi
				12		
						<u>                                     </u>
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				-		





Company Name:	MERIT ENERGY COMPANY						
Lease Name:	Mabel #1-21						
County	State Finney KS						
Water Source:		TANK					
Submitted By:	Hector E.	Date:	9/14/2016				
pH Level	7		Must be less than 8.5				
Sulfates	400	<del></del>	Must be less than 1,000 PPM				
Chlorides	0		Must be less than 3,000 PPM				
Temperature	65						
COMMENTS							

Customer Signature

Thank You



Customer:	MERIT ENERGY COMPANY
Date:	Wednesday, September 14, 2016
Well Name:	Mabel #1-21
Well Location:	Garden City
Supervisor:	Hector E.

Equipment Operators: Lenny B. - Hector E. - Carlos I. - Victor G. - Victor V Customer Performance Yes) No Was the appearance of the personnel and equipment satisfactory? No Was the job performed in a professional manner? Were the calculations prepared and explained properly? No Yes No Were the correct services dispatched to the job site? Yes No Were the services performed as requested? Yes) Did the job site environment remain unchanged? No Did the equipment perform in the manner expected? Yes No Yes No Did the materials meet your expectations? Yes No Was the crew prepared for the job? Yes No Was the crew prompt in the rig-up and actual job? Yes No Were reasonable recommendations given, as requested? Yes No Did the crew perform safely? No Was the job performed to your satisfaction? Customer Signature: Additional Comments:



Job Number:	Llb1609160103 Job Purpose	01 Surface		1		
Customer:	MERIT ENERGY COMPANY				Date:	9/16/2016
Well Name:	Møbel		Number:	1-21	API/UWI:	
County:	Haskell	City:	Sublette		State:	KS
Cust. Rep:		Phone:		Rig Phone:		
Legal Desc:				Rig Name:	Duke	Drilling#9
Distance	50 miles (one wa	y)		Supervisor:.	Ler	iny Baeza

Employees:	Emp. ID:	Employees;	Emp. ID.	
Lenny B.		Alex A		
Cristian C.		Ramon E.		
Equipment:				
903-541		993-467		
1080-842				
		-		

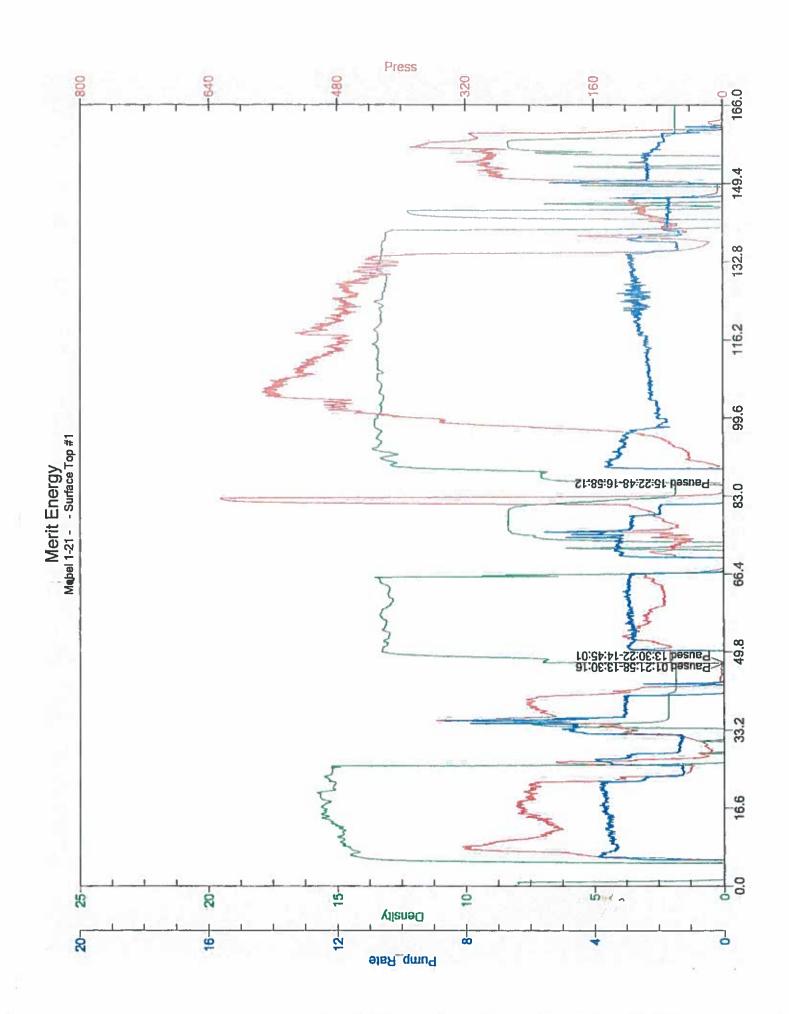
		Well Info	rmation	Chicago Property		
- monte of the	Washington	Open Ho	e Section			
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	Physical Paris	
OPEN HOLE	12 1/4	110%	254	489	TAIL C	EMENT
OPEN HOLE	12 1/4	110%	0	254	LEAD C	EMENT
OPEN HOLE	12 1/4			0	SEL AVE SWILL	TREE MINES
OPEN HOLE	12 1/4					
		Tub	ılars			
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
TOTAL CASING	8 5/8	24	8.097	J-55	0	489
SHOE	8 5/8	24	8.097	J-55	448	489

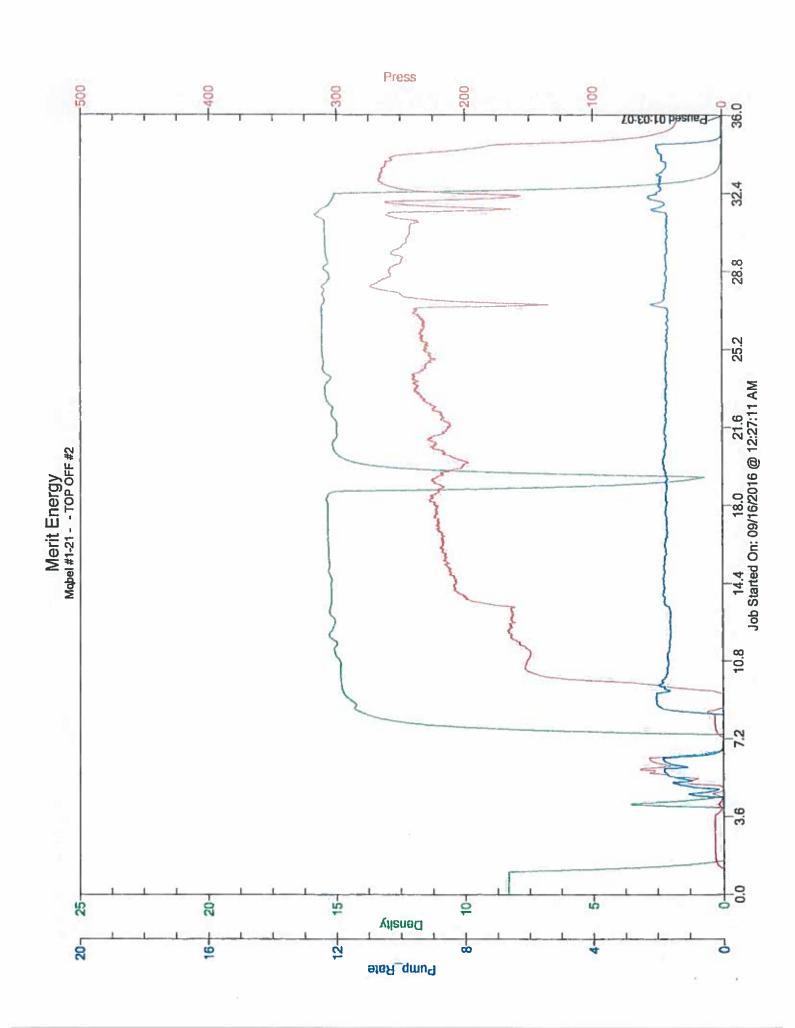
May and	Materials - Pt	ımping Schedule			RING THE PER
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	500	13.00	2.05	11.10
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	NOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1410.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	250.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 2	ALLIED SPECIAL BLEND CEMENT - CLASS A	100	14.83	1.48	6.80
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS H PREMIUM	200	15.63	1.19	5.20
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.99985	% BWOC	400.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 2	CLASS A COMMON	200	15.63	1.19	5.20
Addi. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.99985	% BWOC	400.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Acid	MUD	0	9.00	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	28.53023478	8.33	n/a	n/a

Job Number:	Lib1609160103	Job Purpose	01 Surface	

FALLIED OFS, LLC

County: Haskell		City:	Sublette	State: KS	
	naskell			anniarite	
Cust. Rep:		21 /	Phone:		Rig Phone:
Distance		miles (one way			Supervisor Lenny Baeza
TIME		RE - (PSI)		IPED DATA	COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
9/15/2016					On location 12:00am
12:05am					Rigging up to well head
12:39am	240		26	3	Mixing 100sk of ASC @14.8#
12:47am	206		68	3	Mixing 200sk of Class H 2%CC on the side
1:01am	127		100	3	Washing inside casing and displacement of
1:21am	0		100	3	32 bbls 1/2bbls over displacement
					Waiting for cement to set waiting 6hrs
					and drilling rig going to try get returns
2:46pm	97		36	3	Mixing 100sk of ASC@13.0# and displace
					with 28.5bbls and dropping plug this time
3:18pm	600		65	3	Pumped 28.5 bbls of water and landed plug
					Called wire line to perf @335'
					ounce the third to part good
5:00pm	65		0	3	Mixing 270sk of cement mixing @13.0#
5:09pm	130-350		24	3	24bbls of cement gone and got pressure
5:41pm	458		98	3	270sk gone and can see fluid coming to
0.12					30' from surface
5:43pm			<del> </del>		Kept pumping rest of 130sk of cement by
07100111			1		companyman request
5:59pm	0		146	3	End of cement and shutting down to release
олоории					plug and pump 20 bbls of water for plug
			-	-	to be 20' from 335' where perf are
		_			to be 20 from 055 there per tare
6:30pm					Waiting 5hr for cement to set and running
			1		temp survey
11:15pm	•				Temp survey shows cement is @70'
			+		Going to run Class A with 2%CC until
		<del> </del>			it full
9/16/2016			+		T TUIT
12:34am	160-273		42	2	Mixing Class A cement with 2%CC
12,344111	100-273		42		Mixing 200sk of cement, came to surface
		-			and holding
1,07===	0	ļ		<u> </u>	
1:03am	0	-		<del> </del>	Shut down and washing pumping and pullin 1" pipe out of the hole
2.00					
2:00am				1	Rigging down and leaving locatin @2:00am



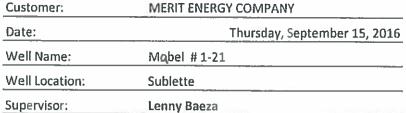




Company Name:	MERIT ENERGY COMPANY					
Lease Name:		Mabel # 1-2	1			
County	State  Haskell KS					
Water Source:		TANK				
Submitted By:	Lenny Baeza	Date:	9/15/2016			
pH Level	7		Must be less than 8.5			
Sulfates	400		Must be less than 1,000 PPM			
Chlorides	0	<u>.</u>	Must be less than 3,000 PPM			
Temperature	71					
COMMENTS						
		<del></del> -				

Customer Signature

Thank You





Supervisor:	Lenny Baeza		
Equipment Operate	Ors: Lenny B Alex A - Cristian C Ramon E.		
	Performance	Cust	omer
Was the appearant	ce of the personnel and equipment satisfactory?	(Yes)	No
Was the job perfor	med in a professional manner?	(Yes)	No
Were the calculation	ons prepared and explained properly?	Yes	No
Were the correct s	ervices dispatched to the job site?	Yes	No
Were the services	performed as requested?	Yes	No
Did the job site env	vironment remain unchanged?	Yes	No
Did the equipment	perform in the manner expected?	Yes	No
Did the materials n	neet your expectations?	Yes	No
Was the crew prep	ared for the job?	(Yes)	No
Was the crew pron	npt in the rig-up and actual job?	Ŷ	No
Were reasonable re	ecommendations given, as requested?	(Fes)	No
Did the crew perfor	rm safely?	Yes	No
Was the job perfor	med to your satisfaction?	Yes	No
Customer Signature		Date: 9 11 olz	
Additional Comme	nts:	1100	200



1		Job Purpose	01 Surface			Data	9/18/2016
-	MERIT ENERGY	COMPANY		<del></del>		Date:	3/18/2018
	Mabel			Number:		API/UWI:	10
	Haskeli			Sublette		State:	(S
Cust. Rep:			Phone:		Rig Phone:		
Legal Desc:					Rig Name:		
Distance	50	miles (one way	()		Supervisor	Lenny E	Baeza
The state of the s	Employees:		Emp. ID:		Employees:		Emp. ID;
Cristian C				Lenny Baeza		10 SY2W /64	
Monty Phillips							
Equipn	nent:						
994-550	(PCIIC)			955-554			
	4.00						
			Well Info				
	100		Open Hol	e Section			
Descri	ption:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN	HOLE	12 1/4	100%	1264.98	1,585	TAIL CE	
OPEN	HOLE	12 1/4	100%	489	1,265	LEAD CI	EMENT
			Tubi				40
Descri	ption:	Size (in):	Wgt. (lb/ft)	ID (ln)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOU:	S CASING	8 5/8	24	8.097	J-55	0	489
TOTAL	CASING	7	23	6.276	J-55	0	1,585
SH	OE	7	23	6,276	J-55	1,545	1,585
			Materials - Pui	nping Schedule			المسااحين
Fluid Name		Description		Rqstd Qty	Density	Yield	Water (gal/sk
Spacer 1		Fresh Water		10	8.33	n/a	n/a
Fluid Name		Description		Rqstd Qty	Density	Yield	Water (gal/sk
Lead 1	ALLIED MUL	TI-DENSITY CEN	MENT - CLASS A	380	12.10	2.56	14.86
Addl. Additive	_ =	Description		Conc. (lb/sk)	Determined by		UOM
CA-100	CALCIUM CHLC	ORIDE, PELLETS	OR FLAKE		% BWOC	1071,6	
CLC-CPF	CELLOPHANE F				lb/sk	47.5	
CFL-330	FLUID LOSS AD	DITIVE - LOW D	ENSITY SLURRIES		% BWOC	178.6	
Fluid Name		Description		Rqstd Qty	Density	Yield	Water (gal/sk
Tail 1	(	CLASS A COMM	ION	50	15.60	1.18	5.22
Fluid Name	Description		Rqstd Qty	Density	Yield	Water (gal/sk	
Disp. 1		Displacemen	t	59.11092898	8.33	n/a	n/a
Job Number:	Lib1609180851	Job Purpose	01 Surface	= =			
Customer:	MERIT ENERG					Date:	9/18/201
Well Name:	Mabel			Number:	1-21	API/UWI:	
County:	Haskell		City:	Sublette		State:	KS
Cust. Rep:	-	·	Phone:		Rig Phone:		

**FLUID PUMPED DATA** 

RATE (BPM)

VOLUME

50 miles (one way)

ANNULUS

PRESSURE - (PSI)

CASING

Distance

TIME

AM/PM

9/18/2016

6:30am

Supervisor

Lenny Baeza

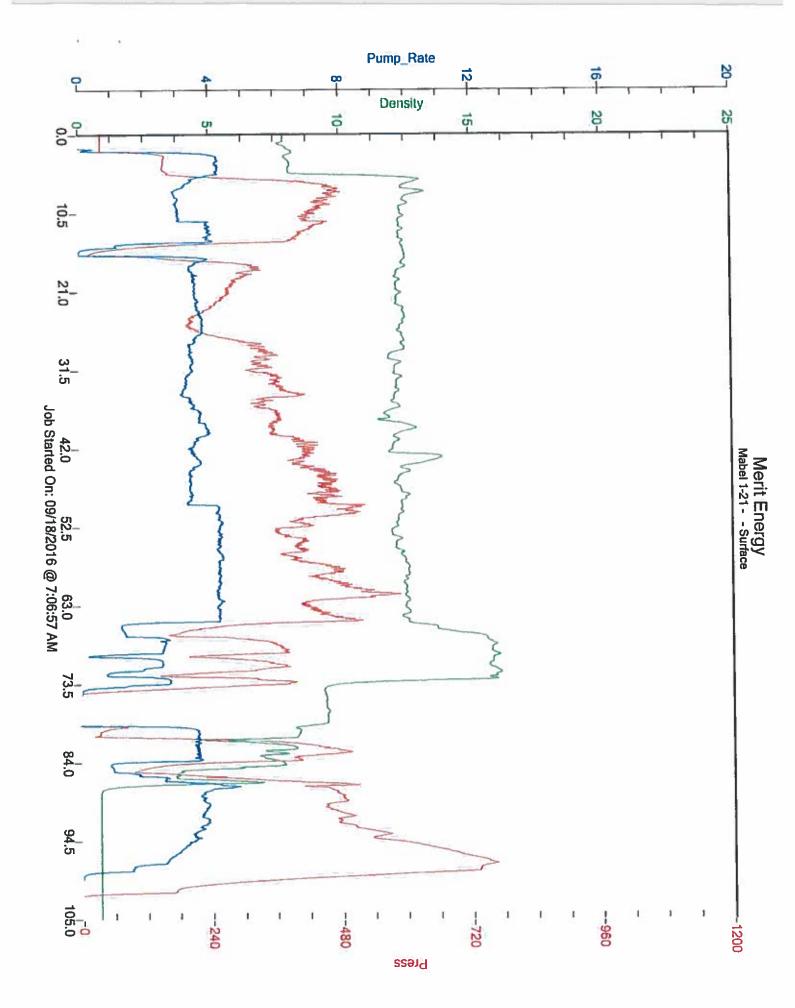
COMMENTS

On location @4:00am

Rigging up to well head

TALLIED Cemer

	OFS,LLC	Cement Job	Summa	irv
6:45am				Safety meeting with rig crew
7:06am	480	10	4	Pumping 10bbls of water ahead
7:12am	440	183	4	Mixing 380sk of cement @12.1#
8:12am	350	193	3	Mixing 50sk of cement @15.6#
8:21am	0	193	0	Shut down to release plug
8:25am	120	193	4	Started displacment of 60bbis
8:31am	260	213	4	20 bbls gone
8:38am	480	233	4	40bbls gone
8:45am	720	253	3	60bbls gone and shutting in well there is no
				Insert float or sure seal collar to land plug
				left 40' of cement as shoe
				HAD NO RETURNS DURNING JOB
10:00am			·	Rigging up and leaveing location @10:00am
				GETTING WIRE LINE OUT HERE TO DO A
				TEMPERATURE SURVEY





Company Name:	MERIT ENERGY COMPANY				
Lease Name:		Wabel # 1-21			
County	Haskell	State	KS		
Water Source:		TANK			
Submitted By:	Lenny Baeza	Date:	9/18/2016		
pH Level	7		Must be less than 8.5		
Sulfates	400		Must be less than 1,000 PPM		
Chlorides	0		Must be less than 3,000 PPM		
Temperature	74				
COMMENTS					

Customer Signature

Thank You



Customer:	MERIT ENERGY COMPANY		
Date:	Sunday, September 18, 2016		
Well Name:	M <b>a</b> bel # 1-21		
Well Location:	Sublette		
Supervisor:	Lenny Baeza		

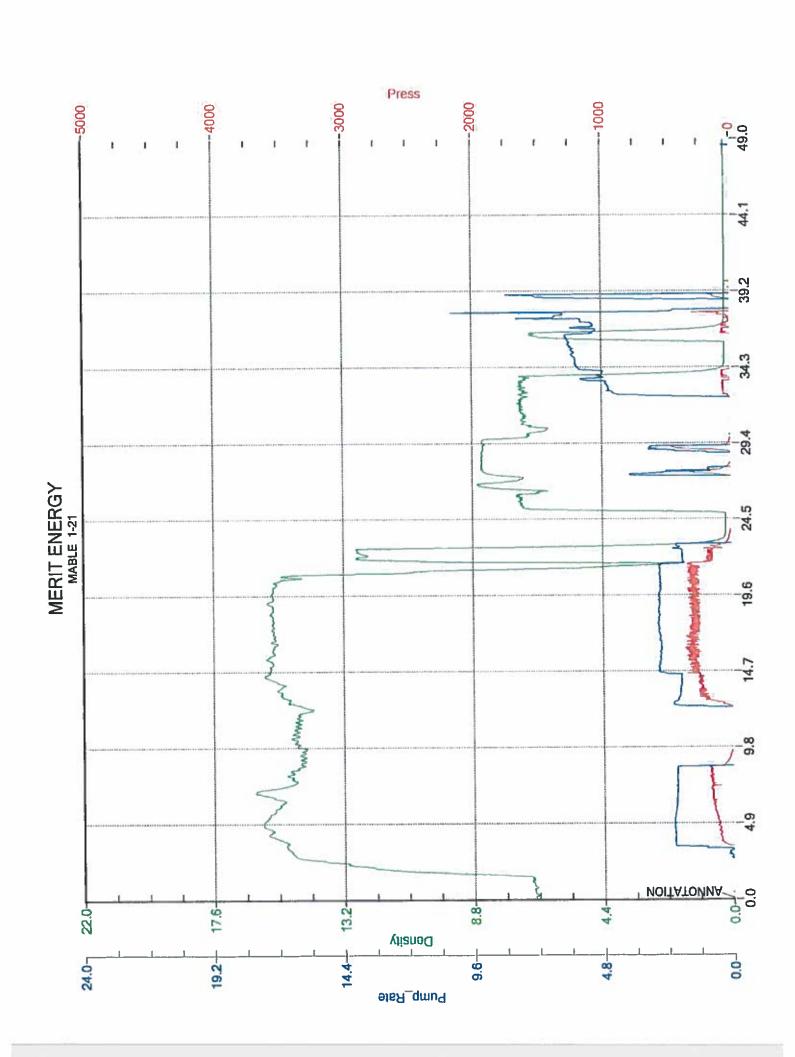
Equipment Operators: Cristian C - Lenny Baeza Customer Performance Yes-No Was the appearance of the personnel and equipment satisfactory? No Was the job performed in a professional manner? Were the calculations prepared and explained properly? Yes No Yes Were the correct services dispatched to the job site? No Yes Were the services performed as requested? Yes No Did the job site environment remain unchanged? Yes No Did the equipment perform in the manner expected? (Yes No Did the materials meet your expectations? Yes No Was the crew prepared for the job? Yes No Was the crew prompt in the rig-up and actual job? Yes No Were reasonable recommendations given, as requested? Yes No Did the crew perform safely? No Was the job performed to your satisfaction? Customer Signature: Additional Comments:



MERIT ENERGY ( Maskell  50 i  Employees:  IAGA  ment:		City: Phone: Emp. ID:	Number:	1-21 Rig Phone: Rig Name: Supervisor Employees:	Date: API/UWI: State: Duk Aldo Es	9/19/2016 KS e #9 spinosa  Emp. ID:
50 : Employees:		Phone:	Number:	Rig Phone: Rig Name: Supervisor	State:	KS e #9 pinosa
50 : Employees:		Phone:		Rig Name: Supervisor	State:	e #9 pinosa
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		Well Info	remetten			
Part of the last o		Open Hol	<del> </del>			
ption:	Size (in):			Rtm MD (ft)		
					TAILC	FMENT
-						
			100	<del></del>		
HOLE						
		Tubi	ulars			192
ption:	Size (in):	Wgt. (lb/ft)	(D (in)	Grade:	Top MD (ft)	Btm MD (ft)
CASING		24	8.097	J-55	0	489
CASING	7	23	6.276	1-55	0	860
OE	7	23	6.276	1-55	820	860
		Materials - Pui				
						Water (gal/sk)
						n/a
					_	Water (gal/sk
CL		N		·		5.20
		= =				MOU
CALCIUM CHLOR		R FLAKE				
						Water (gal/sk
CL		N		<u> </u>		5.22
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CALCIUM CHLOR	<del></del>	R FLAKE				
						Water (gal/sk
	Displacement		31.37319691	8.33	n/a	n/a
1181609190830	Inh Purnose	01 Surface		1		
		va variate			Date:	9/19/2010
			Number	1-21		2, 13, 201
		City:	1131115011			KS
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50	miles (one way				Aldo F	
30			ADED DATA	52pc1 1/301	COMMENTS	
	CALCIUM CHLOR  CALCIUM CHLOR  CALCIUM CHLOR  CHLOR	HOLE 12 1/4 PRIORITION SIZE (IN): GCASING 8 5/8 CASING 7 DE 7  Description Fresh Water Description CLASS A COMMO Description CALCIUM CHLORIDE, PELLETS O Description Displacement  LIB1609190830 Job Purpose MERIT ENERGY COMPANY Mable Haskell	HOLE 12 1/4 100% HOLE 12 1/4 100% HOLE 12 1/4 100% HOLE 12 1/4 HOLE 12 1/4  Frion: Siza (in): Wgt. (lb/ft) GCASING 8 5/8 24 CASING 7 23 DE 7 23  Materials - Pur  Description Fresh Water Description CLASS A COMMON Description CALCIUM CHLORIDE, PELLETS OR FLAKE Description CLASS A COMMON Description CALCIUM CHLORIDE, PELLETS OR FLAKE CALCIUM CHLORIDE, PELLETS OR FLAKE Description CALCIUM CHLORIDE, PELLETS OR FLAKE	HOLE	HOLE	HOLE

AMPRA CASING ANNUALS VOLUME PRO

	Cement Job Summary		Cement Joo Summar)		L L OFS, LLC		
COMMINGE	RATE (BPM)	VOLUME	ANNULUS	CASING	AM/PM		
DATE					9/18/2016		
on location					645am		
rig up					725am		
safety meeting					745am		
holes at 80 ft							
mix until get cement to surface	2.5			200	800am		
mix 162sk/34 bbl slurry	2.5	34		250			
displace 2.5 bbl to leave 15 ft	2	2.5		250			
of cement inside				0			
wash pumping lines to pit	3		Ž.		4		
rig down					845am		
leave location	7				930am		
first 80 sk at 3 % CC							
82 sk 2 %CC					-1-12		
thanks							





Company Name:	MERIT ENERGY COMPANY				
Lease Name:		Mable # 1-2			
County	Haskell	State	KS		
Water Source:		TANK			
Submitted By:	Aldo Espinosa	Date:	9/19/2016		
pH Level	7		Must be less than 8.5		
Sulfates	400		Must be less than 1,000 PPM		
Chlorides	0		Must be less than 3,000 PPM		
Temperature	64	<del></del>			
COMMENTS					
Thank You	Cus	tomer Signature			



Customer:	MERIT ENERGY COMPANY		
Date:		Monday, September 19, 2016	
Well Name:	Mable # 1-21		
Well Location:			
Supervisor:	Aldo Espinosa		

**Equipment Operators:** ALDO ESPINOZA - GERARDO BURCIAGA - JOSE CALDERON Performance Customer Was the appearance of the personnel and equipment satisfactory? Yes Was the job performed in a professional manner? Yes No Were the calculations prepared and explained properly? Yes No Were the correct services dispatched to the Job site? Yes No Were the services performed as requested? Yes No Did the job site environment remain unchanged? Yes No Did the equipment perform in the manner expected? Yes No Did the materials meet your expectations? Yes No Was the crew prepared for the job? Yes No Was the crew prompt in the rig-up and actual job? Yes No Were reasonable recommendations given, as requested? Yes No Did the crew perform safely? Yes No Was the job performed to your satisfaction? No Customer Signature: **Additional Comments:**