

Conductor, Rat and Mouse Hole Drilling Services

Ticket Date: 7/24/2012 Company: Sandridge Drill Rig: Location: Lease Name: DU2315 Lawyer 1-30H **Gray County** Lariate 20 120' of 30" Drilled Conductor Hole 120' of 20" Conductor Pipe(.250 wall) 82ppf AFE Number: Well Name: Laure 6'x6' Cellar Tinhorn W/Protective Ring **Drill & Install cellar** Code:_ Amount:_ 75' of 20" Drilled Moushole Co.:Man:_ 75' of 16" Moushole Pipe Co, Man Sig **Mobilization of Equipment & Road Permitting Fee** Notes: Welding Services for Pipe & Lids **Provided Equipment & Labor for Dirt Removal** Provided Personal to Facilitate Diggtess(One Call) Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe) 11 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe Comments:) Total \$28,680.00 Thank You For Your Business If a caving formation and (or) water is found addition fee(s) will be add to cover the cost of tank trucks, vacuum trucks, and cement pump trucks. Prices figured on non-rocky soil conditions, if rock is present then there will be a surcharge.

Cementing Job Summary

Sold To #:	30502	91		Shin 7		e <i>Road to</i> : 294198			uote #:	ıın Safe	ety		S	ales	Order	#: 96	9895	4			
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Well Name				.NGT IIV	CL			1-30H	ustoniei	Kep. I	Jenc		PI/UWI	#. 1	5 060	2038	1				
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12.25" Open						12.25							130	0.	1600						
Hole- Lower 9.625" Surfa	ce	Jnknov	,	0.6	325	8.921	36.		LTC			-55			1600				-		
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				Des	crip	tion					Qty	Qty	uom	Dep	th	S	upplie	er			
PLUG,CMTG	,TOP,9	5/8,H	NE,8.1								1	_	Α		10000						
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Type	Size	Qty	Make	Depth		Туре	Size	Qty	Make	Depth		Тур	е	Si	ize	Qt	/	Mak	ke		
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reatment Fl	d	1	Co	nc		Inhibit	or		Cor	าต	ISa	nd Ty	oe		Siz	e	Qty	/			

Fluid Data
Stage/Plug #: 1

Summit Version: 7.3.0039

Cementing Job Summary

Fluid #	Stage ¹	Гуре		Fluid	Name		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min		tal Mix d Gal/sl
1	Fresh Wa	ater					10.00	bbl	8.33	.0	.0	.0		
2	Lead Cer	nent	EXTEN	DACEM (TM)	SYSTEM (4	452981)	390.0	sacks	12.4	2.12	11.68		1	1.68
	3 %		CALCIL	JM CHLORID	E, PELLET,	50 LB (1	01509387)	'					
	0.25 lbm		POLY-E	E-FLAKE (101	216940)									
	11.676 Ga	al	FRESH	WATER										
3	Tail Cem	ent	SWIFT	CEM (TM) SY	STEM (452	990)	175.0	sacks	15.6	1.19	5.3			5.3
	1 %			JM CHLORID			01509387)						
	0.125 lbm	1	POLY-E	E-FLAKE (101	216940)	•	JE-10 2 10 10 10 10 10 10 10 10 10 10 10 10 10							
	5.302 Ga	l	FRESH	WATER	,									
4	Displace	ment					122.00	bbl	8.33	.0	.0	.0		
Ca	alculated	STATE OF THE PARTY.		Pressu	res -				V	olumes	Sealing to			
Displa	cement	122	Shu	ut In: Instant		Lost R	eturns		Cement S	lurry	184	Pad		
op Of	Cement	SURF	ACE 5 M	lin		Cement Return		49	Actual Displacement		nt 122	Treatm	ent	
rac G	radient		15 Min			Spacer	'S	10	Load and Breakdown			Total J	lob	316
		Ell Artis					lates							
Circul	lating			Mixing			Displac	ement			Avg. J	ob		
Cem	ent Left In	Pipe	Amoun	t 46 ft Re	ason Sho	e Joint								
Eroo E	Ring # 1 @		ID	Frac ring #	2 @	ID	Frac Rin	a # 3 @	IE) F	rac Ring	#4@		ID

Summit Version: 7.3.0039

Monday, July 30, 2012 14:24:00

Cementing Job Summary

6.5The Road to Excellence Starts with Safety Sold To #: 305021 Sales Order #: 9724859 **Ship To #**: 2941982 Quote #: Customer Rep: Smith, Pat Customer: SANDRIDGE ENERGY INC EBUSINESS API/UWI #: 15-069-20384 Well Name: Lawyer 2629 Well #: 1-30H County/Parish: Gray Field: City (SAP): INGALLS State: Kansas Legal Description: Section 30 Township 26S Range 29W Rig/Platform Name/Num: Contractor: Lariat Job Purpose: Cement Intermediate Casing Well Type: Development Well Job Type: Cement Intermediate Casing Srvc Supervisor: WADE, STEPHEN Sales Person: NGUYEN, VINH MBU ID Emp #: 490458 Job Personnel **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# PEREZ, JOSE R WADE, STEPHEN 490458 BERUMEN, 6.5 267804 6.5 518945 6.5 **EDUARDO** Bruce Equipment HES Unit # Distance-1 way Distance-1 way HES Unit# Distance-1 way HES Unit # Distance-1 way HES Unit# 10741245 75 mile 10866807 75 mile 11138994 75 mile 11149169 75 mile 11804860 75 mile Job Hours Date On Location Operating Date On Location Operating Date On Location Operating Hours Hours Hours Hours Hours Hours 8/7/2012 6.5 3 TOTAL Total is the sum of each column separately Job **Job Times Formation Name** Date Time Time Zone Formation Depth (MD) Top Bottom Called Out 07 - Aug - 2012 09:00 CST Form Type BHST On Location 07 - Aug - 2012 15:00 CST Job depth MD 5461. ft Job Depth TVD 5461. ft 07 - Aug - 2012 18:53 CST Job Started Water Depth Wk Ht Above Floor 07 - Aug - 2012 20:05 CST 5. ft Job Completed Perforation Depth (MD) From 07 - Aug - 2012 CST Departed Loc 21:30 To Well Data Description New / Max Size ID Weight Thread Grade Top MD **Bottom** Top **Bottom** Used pressure in in lbm/ft ft MD **TVD TVD** ft ft ft psig 8.75" Open Hole 8.75 1600. 5454. 7" Intermediate LTC Unknow 7. 6.276 26. P-110 5454. Casing n 9.625" Surface Unknow 9.625 8.921 36. LTC J-55 1600. Casing n Sales/Rental/3rd Party (HES) Description Qty uom Depth Supplier Qty PLUG,CMTG,TOP,7,HWE,5.66 MIN/6.54 MAX CS EΑ **Tools and Accessories** Type Size Qty Make Depth Make Depth Type Size Qty Type Size Qty Make Guide Shoe Packer Top Plug Float Shoe Bridge Plug **Bottom Plug** Float Collar Retainer SSR plug set Insert Float Plug Container Stage Tool Centralizers **Miscellaneous Materials**

	Fluid Data
Stage/Plug #: 1	

Conc

Conc

Acid Type

Sand Type

Qty

Size

Conc

Qty

%

Surfactant

Inhibitor

Summit Version: 7.3.0039

Conc

Conc

Gelling Agt

Treatment Fld

Cementing Job Summary

Fluid	Stage	Туре		Fluid N	ame		Qty	Qty	Mixing		Mix Fluid	0.040000	Total Mix
#	8 =						-	uom	Density Ibm/gal	ft3/sk	Gal/sk	bbl/min	Fluid Gal/sk
1	Rig Sup Gel Spac	1.5					30.00	bbl	8.33	.0	.0	.0	
2	Lead C	ement	EC	ONOCEM (TM) SY	STEM (452	992)	200.0	sacks	13.6	1.54	7.36		7.36
	0.4 %		HAI	AD(R)-9, 50 LB (1	00001617)					•			
	2 lbm		KOI	L-SEAL, BULK (10	0064233)								VI
	2 %		BEI	NTONITE, BULK (*	00003682)								
	7.356 G	al	FRE	ESH WATER									
3	Tail Cer	nent	HAI	LCEM (TM) SYSTI	EM (452986)	100.0	sacks	15.6	1.18	5.2		5.2
	0.4 %		HAI	AD(R)-9, 50 LB (1	00001617)								
	5.197 G	al	FRE	ESH WATER									
4	Displac (TBC)	ement		**************************************			207.00	bbl	8.33	.0	.0	.0	
Ca	alculate	d Values	3	Pressui	es				V	olumes			
Displa	cement	20	5	Shut In: Instant		Lost Returns		0	Cement Slurry		63.04	Pad	
Top O	f Cement	3239	.37	5 Min	Cement		t Returns	0	Actual Displacement		nt 204	Treatm	ent
Frac G	radient			15 Min	Spacer	s	0	Load and	Breakdow	/n	Total J	ob	
						F	Rates	17,412,741					
Circu	lating	5		Mixing	5		Displac	ement	5		Avg. Jo	ob	5
Cem	ent Left	In Pipe	Am	ount 99.22 ft Rea	son Shoe	Joint							
Frac I	Ring #1	@	ID	Frac ring # 2	@	D	Frac Rin	g#3@	IC	F	rac Ring	#4@	ID
Th	ne Infor	mation	Sta	ted Herein Is (Correct	Custon	ner Represe	entative S	Signature		п		

Summit Version: 7.3.0039

Tuesday, August 07, 2012 20:20:00

Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 305021 **Ship To #**: 2941982 Quote #: Sales Order #: 9750684 Customer Rep: Smith, Pat Customer: SANDRIDGE ENERGY INC EBUSINESS API/UWI #: 15-069-20384 Well Name: Lawyer 2629 Well #: 1-30H Field: City (SAP): INGALLS County/Parish: Gray State: Kansas Legal Description: Section 30 Township 26S Range 29W Contractor: LARIAT Rig/Platform Name/Num: 20 Job Purpose: Cement Production Liner Well Type: Development Well Job Type: Cement Production Liner Sales Person: NGUYEN, VINH Srvc Supervisor: MONTOYA-MOLINAS, MBU ID Emp #: 483764 ARTHUR Job Personnel **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# JOHNSON, ROBERT 9.0 525965 MONTOYA-MOLINAS. 9.0 483764 REYES GANDARA, 9.0 440529 JUAN Armando Pierce ARTHUR J STELL, KEVIN 450776 9.0 Woodrow Equipment HES Unit # HES Unit # HES Unit # Distance-1 way **HES Unit#** Distance-1 way Distance-1 way Distance-1 way **Job Hours** Date On Location Operating Date On Location Operating Date On Location Operating Hours Hours Hours Hours Hours Hours 8-19-2012 5 2 TOTAL Total is the sum of each column separately Job **Job Times Formation Name** Date Time Time Zone 18 - Aug - 2012 Formation Depth (MD) Top Bottom Called Out 21:00 CST 19 - Aug - 2012 Form Type BHST On Location 04:45 CST Job Depth TVD 19 - Aug - 2012 06:30 CST Job depth MD 9447. ft 9447. ft Job Started Water Depth Wk Ht Above Floor 10. ft Job Completed 19 - Aug - 2012 08:13 **GMT** Perforation Depth (MD) From 19 - Aug - 2012 10:00 CST To Departed Loc **Well Data** Description New / Max Size ID Weight Thread Grade Top MD **Bottom** Bottom Top Used pressure in in lbm/ft ft MD TVD TVD ft ft ft psig 6.125" Open Hole 6.125 5454. 9449. 4.5" Production 11.6 LTC P-110 9449. Unknow 4.5 4. 5052. Liner 7" Intermediate 7. 26. LTC Unknow 6.276 P-110 5454. Casing n 4" Drill Pipe 3.34 Unknow 4. 14 Unknown 5052. **Tools and Accessories** Type Size Qtv Make Depth Type Size Qty Make Depth Type Size Qty Make **Guide Shoe** Packer Top Plug Float Shoe **Bridge Plug Bottom Plug** SSR plug set Float Collar Retainer Insert Float Plug Container Stage Tool Centralizers Miscellaneous Materials **Gelling Agt** Conc Surfactant Conc Acid Type Qtv Conc % Treatment Fld Conc Inhibitor Conc Sand Type Size Qty

Fluid Data

Summit Version: 7.3.0039

Cementing Job Summary

Fluid #	Stage ⁻	ge Туре			Fluid N	ame		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Flu Gal/s		ate I/min	Total Mix Fluid Gal/sk
1	Rig Supp Gel Space								bbl	8.5	.0	.0		.0	
2	Primary (Cement	ECC	ONO	CEM (TM) SY	STEM (452	992)		sacks	13.6	1.54	7.36			7.36
	0.4 %		HAL	AD(F	R)-9, 50 LB (1	00001617)									
	2 lbm		KOL	-SEA	AL, BULK (10	0064233)									
	2 %		BEN	1OT	NITE, BULK (1	00003682)									
	7.356 Ga	I	FRE	SH	WATER	•									
3	Displace	ment							bbl	8.33	.0	.0		.0	
C	alculated	Values			Pressur	es		312 (67) 15 (42)		V	olumes				
	cement	The state of the s	200	Shut	In: Instant	-	Lost F	Returns	0	Cement S		1:	23 P	ad	
Γop Of Cement 4416		4416	FT	T 5 Min		Cement Returns		0	Actual Displacement		ent 1 BE	12 T	reatm	ent	
rac Gradient				15 M	lin		Spacers		30 BBLS	Load and Breakdown		own	Т	otal J	ob
								Rates							
Circu	lating	3			Mixing	5	;	Displac	ement	5		Avg.	Job		5
Cem	ent Left In	Pipe	Am	ount	80 ft Rea	son Shoe	Joint								
Frac I	Ring # 1 @		ID		Frac ring # 2	@	D	Frac Ring	g # 3 @	11)	Frac Rin	ng # 4	@	ID
Tł	ne Inform	nation	Sta	ted	Herein Is C	Correct	Custo	mer Represe	entative S	Signature	· ·				

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