

#1 Schartz Trust 32B

679' FNL & 973' FWL 19' N & 17' W of E/2 NW NW Section 32-21S-18W Pawnee County, Kansas API# 15-145-21855-0000

Elevation: GL: 2,057', KB: 2,062'

			Ref.
Sample Tops			Well
Anhydrite	1195	+867	-17
B/Anhydrite	1217	+845	-17
Stotler	3284	-1222	-10
Heebner	3639	-1577	-7
Toronto	3650	-1588	+1
Lansing	3719	-1657	-8
Muncie	3859	-1797	-3
Stark	3949	-1887	-6
Hushpuckney	3984	-1922	-4
BKC	4020	-1958	-4
Marmaton	4039	-1977	-5
Altamont	4058	-1996	-11
Pawnee	4115	-2053	+1
Ft Scott	4145	-2083	+1
Cherokee	4160	-2098	+1
Mississippian	4260	-2198	-12
Viola	4362	-2300	-9
Arbuckle	4384	-2322	+43
RTD	4560	-2498	

\$ 30 m



HURRICANE SERVICES INC

Customer	Richie Exploration	Inc	Lease & Well#	se & Well # Schartz Trust 32B #1					10	0/10/2019
Service District	Oakley, KS		County & State	Pawnee, KS	Legals S/T/R	Sec 32 - T2	15 - R18W	Job#		
Job Type	Surface Casing	□ PROD	a [N]	□ SWD	New Well?	o yes	⊠ No	Ticket#	1	CT2566
Equipment#	Driver			Job Safety	Analysis - A Discu	ssion of Hazards	& Safety Pro	ocedures		
74	Scott Green			□ Gloves		Lockout/Tag	out	□ Warning Signs	& Flagging	
266	Michael Rebarchel	H2S Monitor		Eye Protection	n	Required Per	mits	□ Fall Protection	i	
181 / 256	Kale Ochs	Safety Footwea	ar	Respiratory P	rotection	□ Slip/Trip/Fall	Hazards	□ Specific Job Se	quence/Expe	ectations
242	Neil White	FRC/Protective	-		nemical/Acid PPE	Overhead Ha	ızards	□ Muster Point/I	Medical Locat	ions
		^a Hearing Protec	tion	☐ Fire Extinguis	Company of the Compan	The state of the s	ncerns or issi	ues noted below		
				-No.	Co	mments				
			Directions: I	Rozel, KS - 4 mi	les east on HWY 15	6 to CR 240, soul	th to railroad	tracks, east & no	orth into.	
								•		
Product/ Service Code		Desc	ription		Unit of Measu	e Quantily	List Price/Unit	Gross Amount	Item Discount	Net Amount
C010	Cement Pump				ea	1.00	Protesta in the second			\$637.50
									1	4001.00
M015	Light Equipment Mile	eage			mì	70.00				\$119.00
M010	Heavy Equipment M	lileage			ml	70.00				\$238,00
M020	Ton Mileage				tm	1,631.18				\$2,079.75
CP025	H-Con				sack	315,00	17			\$5,622.75
CP015	H-325				sack	150,00	/			\$2,550.00
				***************************************			ļ			
FE275	8 5/8" AFU Flapper I	nsert Valve			ea	1,00				\$318.75
				·····		-			-	
									-	William
							<u> </u>			
***************************************	-									
										
	·						ļ			
	mar Saction Coll	Vallatilia		Uuriaaa Caasia	00 00 2					
Custo	mer Section: On the	nollowing scale n	ow would you rate	Humcane Servic	es inc.7	Total T	Gross:	T D	Net:	\$11,565.75
Bas	sed on this job, how	/ likely is it you v	vould recommend	HSI to a collear	que?	Total Taxable State tax laws de	em certain proc	Tax Rate: lucts and services	Sale Tax:	<u> </u>
]			-	used on new well	s to be sales ta	x exempt.	Cale Tax;	· -
	nskely 1 2 3		6 7 8	9 10	Columbia ()	well information a	Hurricane Services relies on the customer provided well information above to make a determination if			
Ur	makery I L 3	, 7 J	0 1 8	a IV	Extremely Likely	services and/or p	roducts are tax	exempl.	Total:	\$ 11,565.75
						HSI Represe	entative:	Scott Green		
		Sandy description			***************************************	na Penterson de la companya de la c				

TEMB: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit lerms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 X% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material utilimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer owned equipment and property while HSI is on localiton performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT				New York, August 19
Customer: Richie Exploration Inc	Well:	Schartz Trust 32B #1	Ticket:	ICT2566
City, State: Wichita, KS	Countyi	Pawnee, KS	Date:	10/10/2019
Field Rep: Johnny	S-T-R:	Sec 32 - T21S - R18W	Service:	Surface Casing

Downhole In	formation
Hole Size:	12.25 ln
Hole Depth:	1104 ft
Casing Size:	8.625 In
Casing Depth:	1104 ft
Tubing / Liner;	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	67.8 bbls

Cementer:

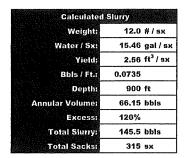
Bulk #1: Bulk #2:

Pump Operator:

Scott Green

Kale Ochs Neil White

Michael Rebarchek



Weight:	14.8 #/sx
- Water / Sx:	6.88 gal/sx
Yield:	1.41 ft ³ /sx
Bbls / Ft.:	0.0735
Depth:	230 ft
Annular Volume:	16.905 bbls
Excess:	120%
Total Slurry:	37.2 bbls
Total Sacks:	150 sx

Product	%1#	#
Class A	100.00	29610
Poz		
Gel		
CaCl	3.00	888
Gypsum	2.00	592
Metso	2.00	592
Kol Seal		
PhenoSeal	0.25	79
Salt (bww)		
		31,762
	Total	31,702
Class A	100.00	14100
Class A Poz	SECURIOR SEC	
	SECURIOR SEC	
Poz	100.00	14100
Poz Gel	2.00	14100 282
Poz Gel CaCl	2.00	14100 282
Poz Gel CaCl Gypsum	2.00	14100 282
Poz Gel CaCl Gypsum Metso	2.00	14100 282

14,843

TIME	RATE	PSI	BBLs	REMARKS
17;30				Call out
18:16				Depart yard
20:30				Arrive on locn. Rigging up casing crew
20:35		<u> </u>		JSA, discuss moving on, spotting & rig-up of equipment
20:45				Move on, spot & rig-up equipment. Rig start to RIH w/ 8 5/8" casing
21:15				Rig-up complete
22:25				Casing @ setting depth
22:35	4.0	250.0		Circulate & condition hole
23:03	3.0	150.0	5,0	Pump water spacer
23;06		1,500.0		Pressure test
23:10	5.0	430,0	144.0	Mix & pump 315sx lead slurry @ 12.0ppg. Y - 2.56cuft/sk; MR - 15.48g/sk
23:40	3,5	250.0		Mix & pump 150sx tail slurry @ 14.8ppg, Y - 1.41cuft/sk; MR - 6.88g/sk
23:45	3.5	250,0	30,0	Cement returns to surface
23:49			38,0	Stop pumping / Release top plug
23:50	4.0	150.0		Displace w/ water
0:05	2,0	250.0	55.0	Slow rate
0:14		940.0		Bump plug. Final circulating pressure - 350pst
0:16				Bleed off, float holding. 1/4bbl back
0:20				End Job. Wash-up pumps & lines
0:30				JSA, discuss rigging down & racking up equipment
0:35				Rig down & rack up
0:55				JSA, discuss journey management
1:00				Depart locn
				Thanks for calling Hurricane Sycs Inc
		CREW		UNIT

74

266

181 / 256 242 Average Rate

3.57143 bpm

Average Pressure

463 psi

Total Fluid

272 bbls



HURRICANE SERVICES INC

Customer	14. Achie	<u>, 14, r 3</u>	Lease & Well #	Schart:	2 Tru=5	r 32.B	#-]	Date	10.	18.19
Service District	GLDORA	80.KS	County & State		Legals S/T/R	32-21	-18	Job#	ICT	- 2611
Job Type	PTA	PROD	ואז	swd	New Well?	₽ KES	□No	Ticket #		- 2611
Equipment #	Driver			Job Safety An	alysis - A Discus	sion of Hazards	& Safety Pr	ocedures		
491	FUZZY	Hard hat		Gloves		Lockout/Tag	gout	☐Warning Sigr	s & Flagging	1 .
289	Jud	JH2S Monitor		LEYE Protection		Required Pe	rmits	Fall Protection		•
18ৰ	Merk	C Safety Footwea	ar	Respiratory Pro	tection (Slip/Trip/Fal	l Hazards	Specific Job S	equence/Ex	pectations
		LFRC/Protective	Clothing	Additional Cher		Overhead H		Wuster Point		
		Hearing Protect	tion	Fire Extinguishe	or .	Additional	oncerns or is	sues noted below		
					Con	nments	·			

						•				
Product/ Service Code		Descri	intion		Unit of Measure	Quantity				
0010	Cement		1,24,24		each	Guantity		75000	2	Net Amount
		•		-		 	<u> </u>	7 74		170
m010	Heavy 6	acio Mi	Leace	, r	mile	50 2	-	20000	<u> </u>	200 00
mols	Lt E	W. P Mi	Lenzo		mile	50		10000		100 00
M020	Tow M	Menge	7		tm	12 23		61275		612 72

e P055	H-Pluc Flo-sen	(60/	40 4900	-oQ)	SK	190=		247000	2	43000
CP120	Flo-sen	<u>: </u>			١b	190				8733
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	Support Haras								62	<u>フッラ</u> マフス
Custon	ner Section: On the	following scale ho	w would vou rate F	urricane Services	Inc ?				3/2	
			Irodio you rate :	Territorie del vices	110.7	Tatal Tassable			Net:	\$0.00
Base	ed on this job, how	likely is it you wo	ould recommend I	HSI to a colleague	?	Total Taxable State tax laws dee	\$ - m certain prod	Tax Rate:	Sale Tax:	
							to be sales tax	exempt. Humicane	Jaio Idx;	\$ -
Una		4 5	6 7 8		hamaka I Nasta	information above	to make a dete	ermination if		
		. •	- , 0	O TO EX	tremely Likely	services and/or pro	oducts are tax	exempt.	Total:	\$ -
		4				HSI Represe	ntative:			
ERMS: Cash in advan-	ce uniess Hurricane Se	vices inc. (HSI) has	approved credit prior	to sale, Credit terms	of sale for approved a	accounts are total in	no eub eolovi	or before the 30th da	y from the date	of invoice. Past

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