KOLAR Document ID: 1739735

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R □East □ West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx) Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
□ Oil □ WSW □ SWD	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	Leading of field Paragraph Charles and Market
EOR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Canad Date on Date Decembed TD Completing Date on	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY						
Confidentiality Requested						
Date:						
Confidential Release Date:						
Wireline Log Received Drill Stem Tests Received						
Geologist Report / Mud Logs Received						
UIC Distribution						
ALT I II III Approved by: Date:						

KOLAR Document ID: 1739735

Page Two

Operator Name: _				Lease Name:			Well #:			
Sec Twp.	S. R.	E	ast West	County:						
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,		
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample		
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum		
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No							
		B	CASING eport all strings set-c		New Used	ion, etc.				
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD					
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives					
Perforate Protect Casi Plug Back T										
Plug Off Zor										
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,		
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)				
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity		
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom		
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT		
,	,			B.11 B1						
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:						
TODING RECORD:	. 3126.		n.	i donei Al.						

Form	ACO1 - Well Completion			
Operator	NEC Operating - Kansas, LLC			
Well Name	COW CATCHER 2			
Doc ID	1739735			

All Electric Logs Run

Mud Log	
BHV	
PE	
PE DIL	
MEL	
Bond Log	

Form	ACO1 - Well Completion			
Operator	NEC Operating - Kansas, LLC			
Well Name	COW CATCHER 2			
Doc ID	1739735			

Tops

Name	Тор	Datum
Anhy	1813	587
Topeka	3414	-1014
Heebner	3632	-1232
Toronto	3656	-1256
Lansing A	3668	-1268
Lansing L	3898	-1498
ВКС	3902	-1502
Marmaton	4003	-1603
Arbuckle	4126	-1726

Form	ACO1 - Well Completion			
Operator	NEC Operating - Kansas, LLC			
Well Name	COW CATCHER 2			
Doc ID	1739735			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	310	Class A	225	3% CC, 2% Gel
Production	7.	5.5	15.5	4250	Class A	265	6 % Plaster, 10% NaCl, 2% Gel, 5% KCl

Cow Catcher #2 WellSight Systems

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Cow Catcher #2 API: 15-195-23161-00-00

Location: 2170 FSL, 467 FEL - Sec 19-12S-22W

License Number: 35920 Region: Trego

Surface Coordinates: 38.992351, -99.799078 (NAD27)

Bottom Hole Same As Surface

Coordinates:

Ground Elevation (ft): 2389 K.B. Elevation (ft): 2400 Logged Interval (ft): 3250 To: R.T.D Total Depth (ft): 4250

Formation: Arbuckle @ TD

Type of Drilling Fluid: Chemical - Andys Mud

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.cor

OPERATOR

Company: NEC Operating Kansas Address: 542 Silicon Dr Suite 100

South Lake TX 67092

GEOLOGIST

Name: Keaton Jones

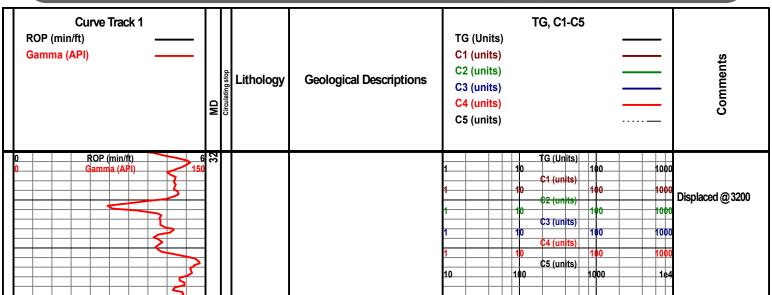
Company: Rockhound Petroleum, LLC

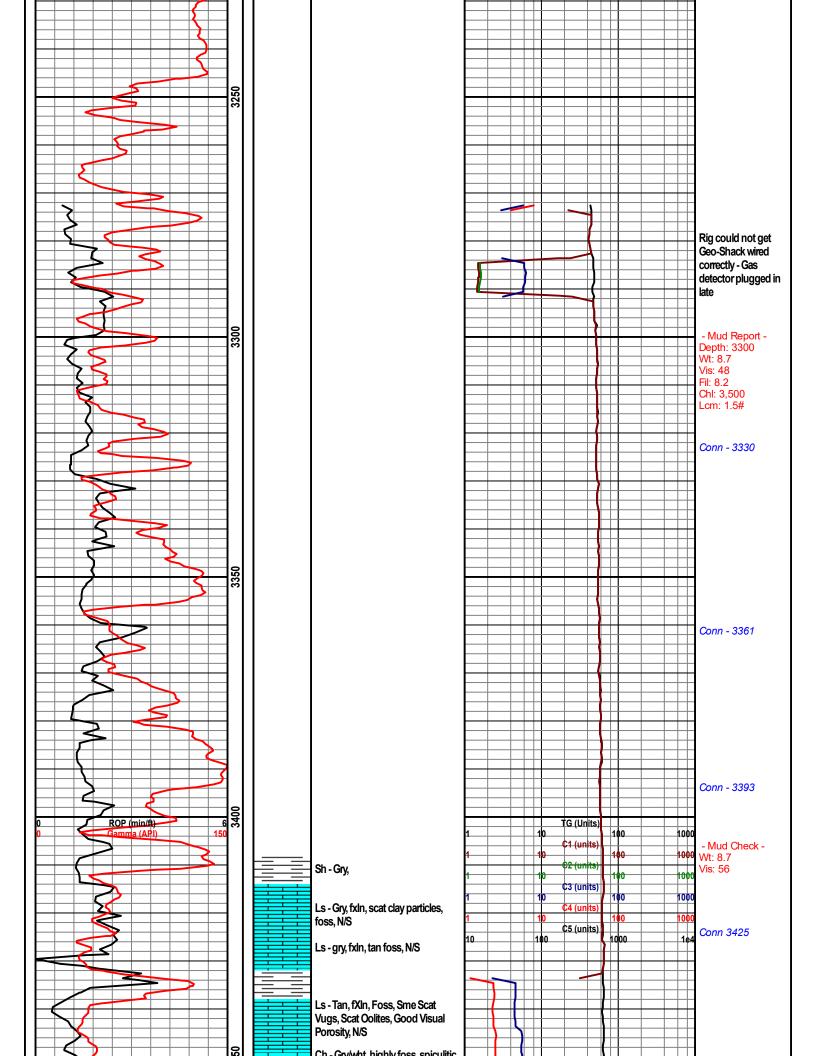
Address: 255 NE 30th

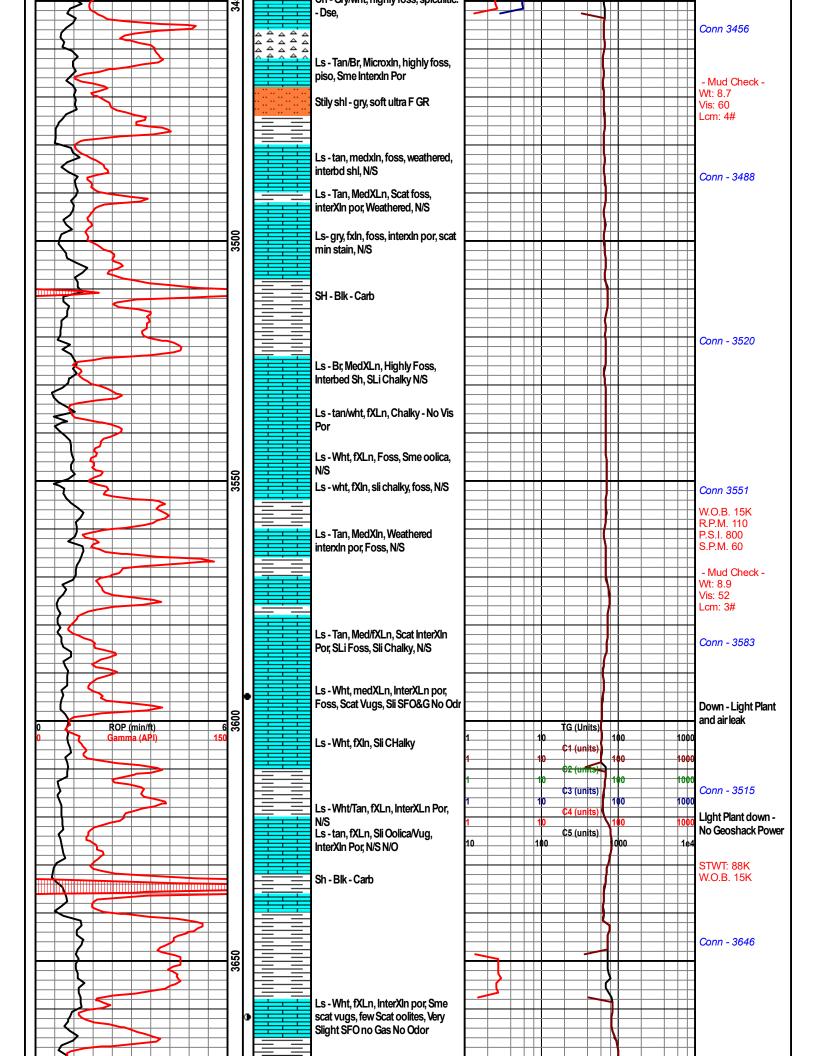
St. John KS 67576

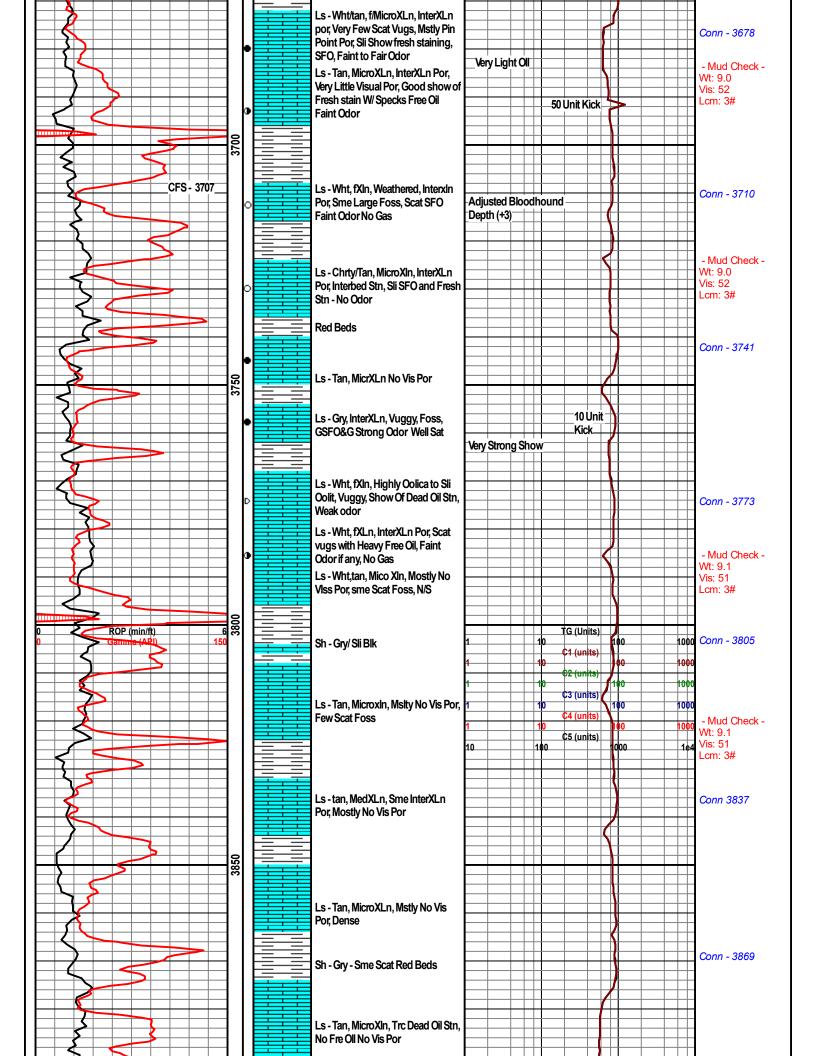
Well Tops Comparison														
Lease:	Cow Ca	tcher 2		Lease:	Cow C	atcher 1		Lease:	Hub	alek 1		Lease:	Staab/F	Bell SWD
KB	24	00	Strat	KB	24	117	Strat	KB	23	377	Strat	KB	24	408
Formation	Тор	Datum	Comp	Formation	Тор	Datum	Comp	Formation	Top	Datum	Comp	Formation	Тор	Datum
Anhy	1813	587	6	Anhy	1836	581	-1790	Anhy		2377	9	Anhy	1830	578
topeka	3414	-1014	11	topeka	3442	-1025	-3391	topeka		2377	-3422	topeka		2408
Heebner	3632	-1232	15	Heebner	3664	-1247	13	Heebner	3622	-1245	2	Heebner	3642	-1234
Toronto	3656	-1256	10	Toronto	3683	-1266	5	Toronto	3638	-1261	-5	Toronto	3659	-1251
Lansing "A"	3668	-1268	15	Lansing "A"	3700	-1283	9	Lansing "A"	3654	-1277	0	Lansing "A"	3676	-1268
Lansing "C"	3708	-1308	16	Lansing "C"	3741	-1324	9	Lansing "C"	3694	-1317	0	Lansing "C"	3716	-1308
lansing "D"		2400	3739	lansing "D"	3756	-1339	3733	lansing "D"	3710	-1333	3726	lansing "D"	3734	-1326
Lansing "F"	3742	-1342	15	Lansing "F"	3774	-1357	11	Lansing "F"	3730	-1353	3	Lansing "F"	3753	-1345
lansing "G"	3755	-1355	13	lansing "G"	3785	-1368	22	lansing "G"	3754	-1377	4	lansing "G"	3767	-1359
Lansing "H"	3810	-1410	15	Lansing "H"	3842	-1425	11	Lansing "H"	3798	-1421	4	Lansing "H"	3822	-1414
Lansing "I"	3831	-1431	13	Lansing "I"	3861	-1444	5	Lansing "I"	3813	-1436	3	Lansing "I"	3842	-1434
Lansing "J"	3852	-1452	15	Lansing "J"	3884	-1467	9	Lansing "J"	3838	-1461	1	Lansing "J"	3861	-1453
Stark		2400	3879	Stark	3896	-1479	3875	Stark	3852	-1475	3869	Stark	3877	-1469
Lansing "K"	3875	-1475	15	Lansing "K"	3907	-1490	10	Lansing "K"	3862	-1485	-2	Lansing "K"	3881	-1473
Hushpuckney	3892	-1492	14	Hushpuckney	3923	-1506	1	Hushpuckney	3870	-1493	0	Hushpuckney	3900	-1492
lansing "L"	3898	-1498	15	lansing "L"	3930	-1513	13	lansing "L"	3888	-1511	0	lansing "L"	3906	-1498
BKC	3902	-1502	25	BKC	3944	-1527	17	ВКС	3896	-1519	2	ВКС	3912	-1504
Marmaton	4003	-1603	17	Marmaton	4037	-1620	10	Marmaton	3990	-1613	-3	Marmaton	4008	-1600
Cherokee SD		2400	4085	Cherokee SD	4102	-1685	4073	Cherokee SD	4050	-1673	4066	Cherokee SD	4074	-1666
Arbuckle	4126	-1726	5	Arbuckle	4148	-1731	-3	Arbuckle	4100	-1723	-41	Arbuckle	4093	-1685
		2400		0			23	0		2377		0		

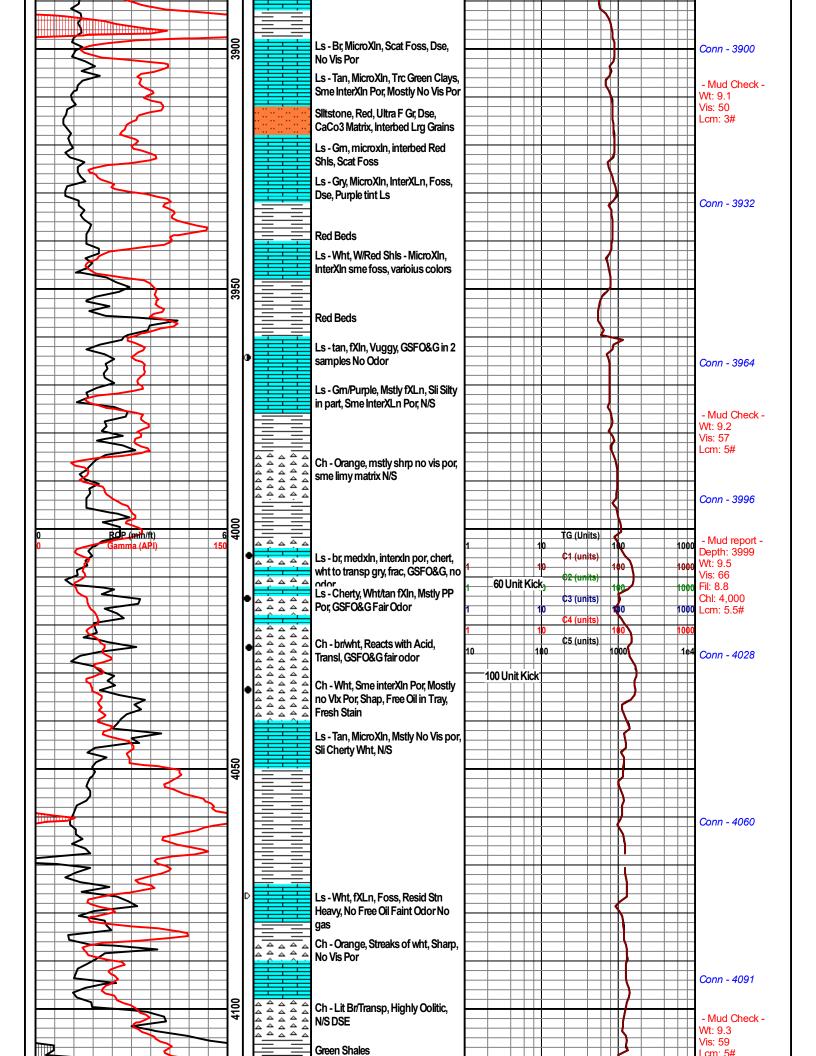
NEC Operating Kansas, LLC Cow Catcher #2											
Casing Size:	5.5 - 15.5#		Pack	er shoe	0.7	Port Collar	~				
RTD:	4250	LTD:	4251	Casing TD	4235	FT off	2	16	T Flev	ation:	11' KB
KID.	4230	LID.	4201	casing 15	4233	71011	LID.	10	Liev	ation.	II Kb
JT. #	Length	Csg. Tally	Top of Jt	JT.#	Length	Csg. Tally	Top of Jt	JT.#	Length	Csg. Tally	Top of J
Shoe JT	20.95	21.65	4213.35	51	42.62	2154.64	2080.36	Out	42.62	e ag. rany	100 010
2	42.66	64.31	4170.69	52	42.66	2197.30	2037.70	Out	42.70		
3	42.65	106.96	4128.04	53	42.60	2239.90	1995.10	11 - 51 - 5	1		
4	42.58	149.54	4085.46	54	42.60	2282.50	1952.50				
5	42.72	192.26	4042.74	55	44.68	2327.18	1907.82				
6	42.68	234.94	4000.06	56	42.75	2369.93	1865.07			(
7	42.64	277.58	3957.42	57	42.62	2412.55	1822.45			()	
8	42.62	320.20	3914.80	58	42.64	2455.19	1779.81				
9	42.58	362.78	3872.22	59	42.63	2497.82	1737.18				
10	42.60	405.38	3829.62	60	42.68	2540.50	1694.50				
11	42.63	448.01	3786.99	61	42.64	2583.14	1651.86				
12	42.74	490.75	3744.25	62	42.13	2625.27	1609.73				
13 14	42.78 42.65	533.53 576.18	3701.47 3658.82	63 64	42.58 42.55	2667.85 2710.40	1567.15 1524.60				
15	42.70	618.88	3616.12	65	42.64	2753.04	1481.96				_
16	42.67	661.55	3573.45	66	42.68	2795.72	1439.28				
17	42.60	704.15	3530.85	67	42.59	2838.31	1396.69				
18	42.74	746.89	3488.11	68	42.62	2880.93	1354.07				
19	42.72	789.61	3445.39	69	42.65	2923.58	1311.42				
20	42.74	832.35	3402.65	70	42.72	2966.30	1268.70				
21	42.73	875.08	3359.92	71	42.67	3008.97	1226.03				
22	42.68	917.76	3317.24	72	42.75	3051.72	1183.28				
23	42.64	960.40	3274.60	73	42.70	3094.42	1140.58				
24	42.63	1003.03	3231.97	74	42.62	3137.04	1097.96				
25	42.60	1045.63	3189.37	75	42.64	3179.68	1055.32				
26	42.60	1088.23	3146.77	76	42.67	3222.35	1012.65				
27	42.64	1130.87	3104.13	77	42.65	3265.00	970.00				_
28	42.62	1173.49	3061.51	78	42.68	3307.68	927.32		_		_
29	42.73	1216.22	3018.78	79	42.70	3350.38	884.62		_		
30 31	42.70 42.64	1258.92	2976.08	80 81	42.68 42.65	3393.06	841.94		_		-
32	42.75	1301.56 1344.31	2933.44 2890.69	82	42.63	3435.71 3478.43	799.29 756.57		_		
33	42.65	1386.96	2848.04	83	42.64	3521.07	713.93	4			
34	42.70	1429.66	2805.34	84	42.63	3563.70	671.30				
35	42.58	1472.24	2762.76	85	42.68	3606.38	628.62				
36	42.58	1514.82	2720.18	86	42.70	3649.08	585.92				1
37	42.67	1557.49	2677.51	87	42.64	3691.72	543.28				
38	42.64	1600.13	2634.87	88	42.60	3734.32	500.68				
39	42.74	1642.87	2592.13	89	42.62	3776.94	458.06			1	
40	42.70	1685.57	2549.43	90	42.62	3819.56	415.44				
41	42.70	1728.27	2506.73	91	42.68	3862.24	372.76				8
42	42.77	1771.04	2463.96	92	42.62	3904.86	330.14				
43	42.60	1813.64	2421.36	93	42.63	3947.49	287.51				
44	42.62	1856.26	2378.74	94	42.70	3990.19	244.81				
45	42.61	1898.87	2336.13	95	42.67	4032.86	202.14				
46 47	42.66	1941.53	2293.47 2250.85	96 97	42.64	4075.50 4118.16	159.50 116.84				
48	42.62 42.64	1984.15 2026.79	2250.85	98	42.66 42.60	4118.16	74.24				-
48	42.60	2069.39	2165.61	99	42.60	4203.40	31.60				
50	42.63			100	21.02	4224.42	10.58				
Totals	2111.32	2112.02	2122.98	100		4223.72		Totals	85.32	4309.04	4235.0
211102 211102 212200 211240 4223.72 10.00						10.00	2	Pup Joint		4200.0	
						12		ntralizers			
Rotating Scrat	chers:		None		Basket:	1906, 4127		1	Port Colla		
Centralizers:		212,4084,3999,39		857, 3572, 1961, 18					Packer S		
Latch Down	Insert Baffle			Port C		19	06	2		t / Not Rur	n
Equipment/	Pipe Not Run	:	Jt (42.56'), (4	2.70')				2	Cement I	Basket	

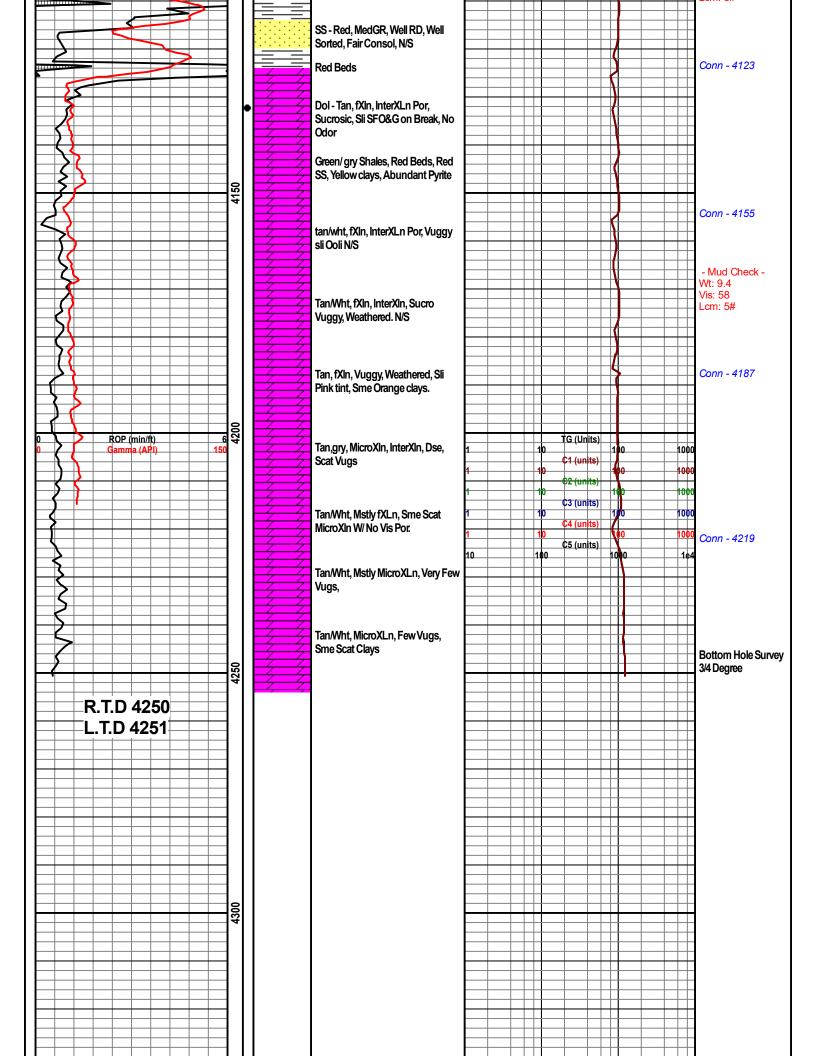


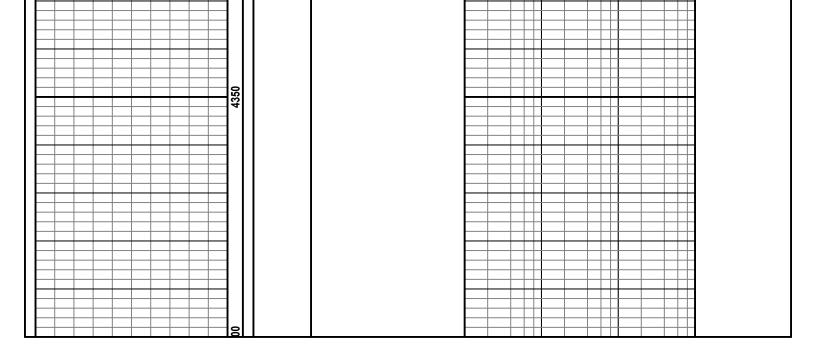












Kan-Perf Wireline LLC

PO Box 21 Ellis, KS 67637 US 785-259-6843 office.kanperf@gmail.com



INVOICE

BILL TO

NEC Operating-Kansas 538 Silicon Drive Southlake, Texas 76092 INVOICE # 0249DATE 08/31/2023DUE DATE 09/30/2023TERMS Net 30

DATE	ACTIVITY	DESCRIPTION		QTY	RATE	AMOUNT
08/31/2023	Truck Rental/Rig Up	Cow Catcher	#2	1	2,200.00	2,200.00
08/31/2023	Depth Charge Perf			4,012	0.25	1,003.00
08/31/2023	Perforate	4" HEC 9x3	4021-4030	27	65.00	1,755.00
08/31/2023	Perforate	4" HEC 6x3	4012-4018	18	65.00	1,170.00
Past due invoices	s may be subject to a 1.5 perce	ent monthly interest	SUBTOTAL			6,128.00
charge(18% APF	3).	•	DISCOUNT			-1,478.00
			TAX			0.00
			TOTAL			4,650.00
			BALANCE DUE		\$	4.650.00



Customer	NEC Operating		Lease & We	Lease & Well # Cow Catcher #2				Date		8/1/2023	
Service District			County & State Trego,KS		Legals S/T/R	19-12S-	22W	Job#			
Job Type	Longstring	✓ PROD	☐ INJ	SWD	New Well?	✓ YES	☐ No	Ticket#	W	P4569	
Equipment #	Driver			Job Safety An	alysis - A Discus	sion of Hazards 8	Safety Pro	cedures			
945	Spencer	✓ Hard hat		✓ Gloves		Lockout/Tag	out	☐ Warning Signs	& Flagging		
230	Michael	→ H2S Moni	itor	✓ Eye Protection		Required Pe	rmits				
194/235	Edward	✓ Safety Foo	otwear	Respiratory Pro	otection	✓ Slip/Trip/Fal	l Hazards	✓ Specific Job Se	equence/Exp	ectations	
		✓ FRC/Prote	FRC/Protective Clothing Additional Chemical/Acid PPE			✓ Overhead H	azards	Medical Loca	tions		
		☐ Hearing P	Protection	✓ Fire Extinguish	er	Additional concerns or issues noted below					
				Market Control of the	Cor	nments					
Product/ Service										N-4.0	
Code		D	escription		Unit of Measure					Net Amount	
CP030	H-Long				sack	215.00				\$7,525.00	
CP055	H-Plug A				sack	50.00				\$700.00	
CP133	Cement Friction	n Reducer			lb	102.00				\$816.00 \$600.00	
FE130	5 1/2" Cement I	Basket			ea	2.00					
FE135	5 1/2 Turbolizer	r			ea	12.00		\$1,			
FE145	5 1/2" Float Sho	oe - AFU Flapper T	уре		ea	1.00					
FE165	5 1/2" Port Coll	ar			ea	1.00				\$3,500.00 \$350.00	
FE170	5 1/2" Latch Do	own Plug & Baffle			ea	1.00				\$50.0	
CP136	Liquid Defoame	er			gal	1.00				\$500.0	
CP170	Mud Flush		1		gal	500.00				\$150.0	
AF055	Liquid KCL Sub	ostitute			gal	5.00					
M015	Light Equipmer	nt Mileage			mi	60.00				\$120.0 \$480.0	
M010	Heavy Equipm	ent Mileage			mi	120.00				\$1,102.5	
M020	Ton Mileage				tm	735.00				\$2,500.0	
D015	Depth Charge:	4001'-5000'			job	1.00		-		\$250.0	
C050	Cement Plug C				job					\$371.0	
C060		ing & Mixing Servic	ce		sack	265.00				\$300.0	
C040	Casing Swivel				job	1.00				\$275.0	
R061	Service Super	visor			day	1.00				Ψ2, σ.σ	
										404 404 5	
Cus	stomer Section:	On the following so	cale how would you	ı rate Hurricane Service	s Inc.?		T.	T D- (-	Net:	\$21,464.5	
				mand HOLto a colle	10.2	Total Taxable	\$ -	Tax Rate:	Sala Tav	\$ -	
	Based on this jo Unlikely 1 2		you would recom	mend HSI to a colleagu	I e ? Extremely Likely	used on new well Hurricane Service well information	State tax laws deem certain products and services used on new wells to be sales tax exempt. Sale Tax: Sale Tax: Sale Tax: Sale Tax: Total:				
						HSI Repres	entative:	Spencer	Savag	\$ 21,464.5	
TERMS: Cash in a	dvance unless Hurri	icane Services Inc. (I	HSI) has approved cr	edit prior to sale. Credit ter	ms of sale for appro	ved accounts are tot	al invoice due	on or before the 30th	day from the	date of invoice. Pa	

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved creati prior to sale. Creati terms of sale for approved accounts are total invoice due on or before the count day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% 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 set 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 ultimately 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 represents 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 guarantees proper operational care of all customer owned equipment and properly while HSI is on location 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 ser

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT	TRE	ATMEN	Γ REPO	ORT										
	NO.	NEC Ope	THE RESERVE OF THE PERSON NAMED IN		Well:		Cow Catcher #2	Ticket:	WP4569					
City, S					County:		Trego,KS	Date:	8/1/2023					
		Keaton			S-T-R:		19-12S-22W	Service:	Longstring					
Field	кер.													
Down	hole l	nformatio	n		Calculated Si	urry - Lead		ılated Slurry - Tail						
Hole	Size:	7 7/8	in		Blend: H-Long Blend: H-Plug									
Hole D	epth:	4250	ft		Weight:	15.0 բ	ppg	Weight:	13.8 ppg					
Casing	Size:	5 1/2	in	-	Water / Sx:		jal / sx	Water / Sx: 6.9 gal / sx						
Casing D	epth:	4235 ft			Yield:	1.36 f	t³/sx	Yield:	1.42 ft ³ / sx					
Tubing /	Liner:		in		Annular Bbls / Ft.:		obs / ft.	Annular Bbls / Ft.:	bbs / ft.					
D	epth:		ft		Depth:		t	Depth:	ft					
Tool / Pa		Port Co			Annular Volume:	0.0 bbls		Annular Volume:	0 bbls					
		1907.82			Excess:			Excess: Total Slurry:	12.6 bbls					
Displace	ment:	100.6			Total Slurry:	52.1 I		Total Sacks:	50 sx					
TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	Total Sacks: REMARKS	210		Total Guoksi						
530pm	INAUL			-	Arrive on Location									
700pm					Safety Meeting									
730pm				-	Rig Cement Head Up to	Circulate M	ud for 1.5hrs							
800pm				-	Begin Circulating Usin	Begin Circulating Using Rig Pump								
924pm	5.0	300.0	5.0	5.0	H2O ahead	H2O ahead								
925pm	5.0	350.0	12.0	17.0	Mud Flush									
927pm	2.6	350.0	5.0	22.0	Water Spacer	·								
931pm	2.6	150.0	7.6	29.6		Rat Hole Cement Slurry H-Plug 30sks @ 13.8ppg								
935pm	2.6	150.0	5.0	34.6		Mouse Hole Cement Slurry H-Plug 20sks @ 13.8ppg								
941pm	4.8	380.0	52.1	86.7		Lead Cement Slurry H-Long 215sks @ 15ppg								
956pm				86.7	Drop Plug and Clear P									
1001pm		400.0	90.6		Displace with 2% KCL			Inci						
1019pm	3.0	850.0	10.0		Slow Rate to 3ppi/min	Land Plug ar	nd Bump pressure to 1600	ipai						
4005					Wash Up									
1025pm 1035pm					Rig Down									
1045pm					Leave Location									
10400111														
					UNIT			SUMMAR	Y					
		CREV			945		Average Rate	Average Pressure	Total Fluid					
	menter		ncer		230		4.0 bpm	366 psi	187 bbls					
Pump O _l					194/235		wpm	P	L					
Bulk #1: Edward Bulk #2:					154/255									

ftv: 13-2021/01/19 mplv: 405-2023/08/01



WP 45 ging /Expectal	557 ations
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CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TRE	ATMENT	REPO	ORT	THE TO							
Customer:	NEC Ope	rating		Well:	Cow Catcher #2 Ticket: WP 4557						
City, State:	Wakeene	y KS		County:	Trego KS Date: 7/27/2023						
Field Rep:	Jesus			S-T-R:	19-12S-22W						
				No. of the last of							
Downhole I	nformation	1		Calculated S	d Slurry - Lead Calculated Slurry - Tail						
Hole Size:	12 1/4 i			Blend:	H-325						
Hole Depth:	310 f			Weight:	14.8 ppg	ppg					
Casing Size:	8 5/8 i			Water / Sx:	6.9 gal / sx	Water / Sx:	gal / sx				
Casing Depth: Tubing / Liner:	295 f			Yield: Annular Bbls / Ft.:	1.41 ft ³ / sx 0.0735 bbs / ft.	Yield: Annular Bbls / Ft.:	ft ³ / sx bbs / ft.				
Depth:	f			Depth:	295 ft	Depth:	ft				
Tool / Packer:				Annular Volume:	21.7 bbls	Annular Volume:	0 bbls				
Tool Depth:	f	t		Excess:		Excess:					
Displacement:	18.2 b	bls		Total Slurry:	56.5 bbls	Total Slurry:	0.0 bbls				
		STAGE	TOTAL	Total Sacks:	225 sx	Total Sacks:	0 sx				
TIME RATE	PSI	BBLs	BBLs	REMARKS							
2:40 PM		-	-	Arrived on location							
2:50 PM			-	Safety meeting							
3:00 PM			-	Rigged up Casing on bottom							
3:50 PM 4:05 PM				Circulated mud							
4:35 PM 2.0	50.0	5.0	5.0	Water ahead							
4:40 PM 2.5	100.0	56.5	61.5	Mixed 225 sacks H-325	cement @ 14.8 ppg						
5:00 PM 3.0	200.0	18.2	79.7	Begin displacement							
5:06 PM			79.7	Plug down and shut in	with 5 bbls/20 sacks cement circulate	ed to pit					
5:08 PM			79.7	Washed up and rigged	down						
5:45 PM			79.7	Left location							
				,							
	CREW			UNIT		SUMMARY	STORY OF THE STORY				
Cementer:	John			947	Average Rate	Average Pressure	Total Fluid				
Pump Operator:	Jose T	•		208	2.5 bpm	117 psi	80 bbls				
Bulk #1:	Edwar			194-235	·						
Bulk #2:	Spenc	er		946							



Customer	NEC Operating		Lease & Well #	Cow Catcher # 2				Date	8/	17/2023
Service District	Oakley		County & State	Trego,KS	Legals S/T/R	19-128	-22W	Job#		
Job Type	Port Collar PROD INJ			SWD	New Well?	✓ YES	☐ No	Ticket#	v	VP4622
Equipment #	Driver	1		Job Safety Ar	nalysis - A Discus	sion of Hazards	& Safety Pro	ocedures		
945	Spencer	✓ Hard hat		✓ Gloves		Lockout/Tag	gout	☐ Warning Sigr	ns & Flagging	J
537/520	Michael	✓ H2S Monitor		✓ Eye Protection	ı	Required Pe	ermits	Fall Protection	n	
180/250	Ruben	✓ Safety Footwo	ear	✓ Respiratory Pr	otection	✓ Slip/Trip/Fa	ll Hazards	✓ Specific Job	Sequence/Exp	pectations
Vap	Scotty	✓ FRC/Protectiv	e Clothing	Additional Che	emical/Acid PPE	✓ Overhead Hazards		✓ Muster Point/Medical Locations		
		☐ Hearing Prote	ection				oncerns or i	ssues noted below		
					Cor	nments				
		-								
		-								
Product/ Service			41							
Code		Desci	ription		Unit of Measure					Net Amount
CP025	H-Con				sack	175.00				\$4,375.00
FE166	5 1/2" Shifting Tool				ea	1.00		-		\$500.00
CP136	Liquid Defoamer				gal	1.00		-		\$50.00
M015	Light Equipment M				mi	60.00				\$120.00
M010	Heavy Equipment	wiieage			mi	120.00		-		\$480.00
M020	Ton Mileage Depth Charge: 200	11,3000			job	494.00 1.00				\$741.00 \$2,000.00
D013 C060	Cement Blending &				sack	175.00				\$2,000.00
R061	Service Supervisor				day	1.00				\$275.00
Kuul	Service Supervisor				day	1.00				φ210.00
9-										
	,									
0	omor Soctions On the	ho following again	ow would you rate	Hurricane Services	Inc 2					A. ====
Cust	omer Section: On t	ne tollowing scale n	ow would you rate		III G. ?	Total Taxable	\$ -	Tax Rate:	Net:	\$8,786.00
В	ased on this job, ho	ow likely is it you v	vould recommend	d HSI to a colleague		 		ducts and services	Sale Tax:	\$ -
				пп		used on new well:	s to be sales t			,
	Unlikely 1 2	3 4 5	6 7 8			well information a	bove to make	a determination if		
	Unlikely 1 2	3 4 5	0 1 0	9 10 Ex	tremely Likely	services and/or pr	oducts are ta		Total:	\$ 8,786.00
						HSI Represe	entative:	Spencer	Savag	0
due accounts shall pa affect the collection, of previously applied in a date of issue. Pricing services. Any discour recommendations ma purposes and HSI ma customer guarantees	ay interest on the balan Customer hereby agree arriving at net invoice pat does not include feder it is based on 30 days ade concerning the resi akes no guarantee of fu proper operational car	nce past due at the rates to pay all fees directorice. Upon revocation ral, state, or local taxe net payment terms or ults fom the use of an uture production perfore of all customer own	e of 1 ½% per month titly or indirectly incuru, the full invoice prices, or royalties and streash. <u>DISCLAIMER</u> y product or service, rmance. Customer red equipment and priced	rior to sale. Credit term n or the maximum allow red for such collection. e without discount is in ated price adjustments R NOTICE: Technical The information prese represents and warrant roperty while HSI is on aiton in determining ta:	wable by applicable s In the event that Cus mediately due and s c. Actual charges may data is presented in g inted is a best estima is that well and all as location performing s	tate or federal laws. stomer's account wisubject to collection. or vary depending up good faith, but no wate of the actual resus ociated equipment	In the event in the HSI become Prices quoted on time, equiparranty is state alts that may be in acceptable.	t is necessary to empes delinquent, HSI had are estimates only ament, and material und or implied. HSI asset achieved and should condition to receive	oloy an agency as the right to reand are good foultimately requires under the sumes no liability be used for services by HS	and/or attorney to revoke any discount or 30 days from the red to perform these ity for advice or comparison SI. Likewise, the
V				CUSTOMER 4	UTUODIZATI	ON CICNATU	DE			

ftv: 13-2021/01/19 mplv: 407-2023/08/16



CEMENT TRE	ATMEN	T REP	ORT									
Customer:				Well:		Cow Catcher # 2	Ticket:	WP4622				
City, State:				County:		Trego,KS	8/17/2023					
Field Rep:	Keaton			S-T-R:		19-12S-22W	Service:	Port Collar				
Downhole	nformatio	on		Calculated S	lurry - Lead Calculated Slurry - Tail							
Hole Size:		in		Blend:		Con	Blend: Weight:					
Hole Depth:		ft		Weight:		ppg	ppg					
Casing Size:		in		Water / Sx:		gal / sx	Water / Sx:	gal / sx				
Casing Depth:				Yield:	2.56	ft³/sx	Yield:	ft ³ / sx				
Tubing / Liner:	2 3/8			Annular Bbls / Ft.:			Annular Bbls / Ft.:	bbs / ft.				
Depth: Tool / Packer:	1909 Port C				Depth: ft		Depth:	ft				
Tool Depth:	1907			Annular Volume:	0.0	bbls	Annular Volùme: Excess:	0 bbls				
Displacement:		bbls		Excess: 79.		bbls	Total Slurry:	0.0 bbls				
	1.0	STAGE	TOTAL	Total Sacks:	175		Total Sacks:	0 sx				
TIME RATE	PSI	BBLs	BBLs	REMARKS								
930am		-	-	Arrive On Location								
945am			-	Safety Meeting								
1000am				Rig Up								
			-									
1024am 1.0	1,000.0	0.5	0.5	Pressure Test Well to 1000psi								
1030am	250.0		0.5	Bleed Well to 250psi ar	nd Open Por	t Collar						
1031am 4.0	200.0	10.0	10.5	Establish Circulation								
1053am 4.0	200.0	5.0	15.5	H20 ahead								
1100am 3.8	460.0	79.8	95.3	Cement Slurry H-Con @ 12ppg								
1118am 3.0	500.0	6.3	101.6	Displace								
1124am			101.6	Close Port Collar	0.1							
1136am 4.0	300.0	50.0		Run 6 joints in and Re	verse Out							
1150am				Wash Up								
1200am				Rig Down								
1210am				Leave Location								
12104												
	CREW			UNIT			SUMMAR					
Cementer:	Spen			945		Average Rate	Average Pressure	Total Fluid				
Pump Operator:	Mich			537/520		3.3 bpm	416 psi	152 bbls				
Bulk #1: Ruben Bulk #2: Scotty			180/250 Vap									