

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1212356

Form ACO-1
August 2013
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. 15		
Name:			Spot Description:		
Address 1:			Sec	TwpS. R	East West
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long: _	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	/ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G		(Data must be collected from the		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	hauled offsite	
☐ ENHR			· ·		
GSW	Permit #:		Operator Name:		
_ _			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	QuarterSec	TwpS. R	East _ West
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						
Geologist Report Received						
UIC Distribution						
ALT I III Approved by: Date:						



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Cures, whether shut-in prediction of the pre	essure reached stat	ic level, hydrosta	tic pressures, bot		
		otain Geophysical Data a or newer AND an image		ogs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No			on (Top), Depth ar		Sample
Samples Sent to Geo	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD No	ew Used			
		Report all strings set-			ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	. CEMENTING / SQL	IEEZE RECORD			
Purpose:	Depth Top Pottors	Type of Cement	# Sacks Used	TELECTION IN	Type and P	ercent Additives	
Perforate Protect Casing Plug Back TD	Top Bottom						
Plug Off Zone							
	ulic fracturing treatment or			Yes		p questions 2 ar	nd 3)
		aulic fracturing treatment ex submitted to the chemical of	_	?	= ' '	p question 3) out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Perl			cture, Shot, Cement		d Depth
	.,,			,		,	
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENF	HR. Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	Oil B		Mcf Wat			Sas-Oil Ratio	Gravity
	ON OF GAS:	N Open Hole	METHOD OF COMPLI		mmingled	PRODUCTIO	DN INTERVAL:
Vented Sold	Used on Lease	Other (Specify)	Perf Dually (Submit)		mmingled mit ACO-4)		

Form	ACO1 - Well Completion			
Operator	Chieftain Oil Co., Inc.			
Well Name	AHS Cattle Co. 4			
Doc ID	1212356			

All Electric Logs Run

Geologist Log
Borehole Volume Caliper Log
Sonic Cement Bond Log
Compensated Neutron PEL Density Micro Log
Phased Induction Shallow Focus SP Log
Composite Log

Form	ACO1 - Well Completion			
Operator	Chieftain Oil Co., Inc.			
Well Name	AHS Cattle Co. 4			
Doc ID	1212356			

Tops

Name	Тор	Datum
Kansas City	4356	-2986
Mississippian	4783	-3415
Kinderhook SH	5027	-3659
Chattanooga SH	5105	-3737
Maquoketa SH	5137	-3020
Viola	5191	-3823
Base of Viola	5281	-3913
Simpson SD	5303	-3935
Upper Simpson SD	5446	-4078
Arbuckle	5497	-4129
Total Depth	5605	-4238

Form	ACO1 - Well Completion			
Operator	Chieftain Oil Co., Inc.			
Well Name	AHS Cattle Co. 4			
Doc ID	1212356			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	980	Common	250	2% Salt
Production	7.875	5.5	15.5	5610	Class A ASC		Gas Block 2% Salt
Conductor	17.5	13.375	24	318	Common	300	2% Salt



PO Box 93999 Southlake, TX 76092

(817) 546-7282 Voice:

Fax: (817) 246-3361

Bill To:

Chieftain Oil Company Inc.

P O Box 124

Kiowa, KS 67070-0124

		M				
1	N	V	U	•	U	E

Invoice Number: 143152

Invoice Date: May 3, 2014

1 Page:

Customer ID	Field Ticket #	Payment Terms		
Chieft	62775	Net 30 Days		
Job Location	Camp Location	Service Date	Due Date	
KS1-02	Medicine Lodge	May 3, 2014	6/2/14	

Quantity	Item	Description	Unit Price	Amount
1.00	WELLNAME	AHS Cattle Co #4		1
200.00	CEMENT MATERIALS	ASC	20.90	4,180.00
600.00	CEMENT MATERIALS	Kol Seal	0.98	588.00
50.00	CEMENT MATERIALS	Flo Seal	2.97	148.50
1	CEMENT MATERIALS	FL-160 70 2014	18.90	1,065.96
12.00	CEMENT MATERIALS	Kol Seal Flo Seal FL-160 Super Flush Cla Pro Defoamer	58.70	704.40
	CEMENT MATERIALS	Cla Pro	34.90	488.60
1	CEMENT MATERIALS	Defoamer	9.80	235.20
	CEMENT SERVICE	Cubic Feet Charge	2.48	748.17
i	CEMENT SERVICE	Ton Mileage Charge	2.60	571.48
1	CEMENT SERVICE	Production Casing	2,058.50	2,058.50
1	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
1	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00		Manifold Rental	275.00	i
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug Assembly	325.00	
7.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	1
2.00	EQUIPMENT SALES	5-1/2 Basket	395.00	
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	CEMENT SUPERVISOR	Jake Heard		
1.00	EQUIPMENT OPERATOR	Justin Bower		
1				
	FO ADE NET DAVABLE	Subtotal		13,364.81

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

3,742.15

ONLY IF PAID ON OR BEFORE May 28, 2014

Subtotal	13,364.81
Sales Tax	677.08
Total Invoice Amount	14,041.89
Payment/Credit Applied	
TOTAL	14,041.89



ALLIED OIL & GAS SERVICES, LLC 062775

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999

SERVICE POINT:

SOUTHLAKE, TEXAS 76092 Madicine Lodge 165 JOB START 3:05P JOB FINISH CALLED OUT ON LOCATION TWP. RANGE SEC. 4:10P DATE 5-3-14 35°s 12 12 W 10:00 Am COUNTY Barber LEASE AHS GHIPCO WELL# 4 LOCATION KIDWA JET 3/4 W Sinto OLD OR NEW (Circle one) CONTRACTOR Fossil Drilling OWNER Chieftain Oil Co TYPE OF JOB Production HOLE SIZE 7 1/6 T.D. 56/3 **CEMENT** CASING SIZE 51/2 DEPTH 5610.43 AMOUNT ORDERED 50x 60:40:41 Gel **TUBING SIZE** DEPTH ZOOSX Class A ASC + 3 # Kolsea 1 **DRILL PIPE** .3% F1-160 + Defoamer DEPTH TOOL DEPTH PRES. MAX **MINIMUM** COMMON_ SHOE JOINT 24.29 ' MEAS. LINE POZMIX _¿_. CEMENT LEFT IN CSG. 24.29 **GEL** CHLORIDE PERFS. ര DISPLACEMENT 134 660 ASC <u>200.5×</u> @20.90 4180.00 588.00 Vo seal **EQUIPMENT** Floseal FL160 @2.97 @ 18.90 PUMP TRUCK CEMENTER JAKE HEAR HSF 12 @ 58.70 #548/545 HELPER Justin Bower Clapro Gals @ 34.90 BULK TRUCK # 351/ @ 9.80 DRIVER Andrew Tius @ **BULK TRUCK** @ DRIVER HANDLING @ **MILEAGE** 7410-66 REMARKS: On Location. Saffey meeting R.Z. Crc. Ihr. oc on bottom. Pressure Test SERVICE ump spacer. Mixy pump Cont. Stop 20sh pump+ lines. DEPTH OF JOB 5610.43 PUMP TRUCK CHARGE 2058.50 Sump plus. I Rot + mouse le legse EXTRA FOOTAGE LU 20 @ 4.40 88.60 CMZ MILEAGE 20 @ 7.70 154.00 275.00 MANIFOLD_ @ @2.48 748.16 Handling 301-68 mileage @2-60 CHARGE TO: Chieftain Oil Co 1090.63 = TOTAL 3895.14 STREET ____ CITY_____STATE___ ZIP_ PLUG & FLOAT EQUIPMENT 5% atch Down Plus Asym. @ 399.00 7**90**-00 1 Centralizers @*57.00* 2 Baskets @395.00 To: Allied Oil & Gas Services, LLC. 1 Afu float @ You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or 576.52=28% contractor to do work as is listed. The above work was TOTAL 2059.00 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any). TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES. PRINTED NAME DISCOUNT IF PAID IN 30 DAYS



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

(817) 246-3361

Bill To:

Chieftain Oil Company Inc.

P O Box 124

Kiowa, KS 67070-0124

	1			
N	V	0	V	

Invoice Number: 142851

Invoice Date: Apr 25, 2014

Page:

1

Customer ID Field Ticket #		Payment	Terms
Chieft	62255	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Medicine Lodge	Apr 25, 2014	5/25/14

Quantity	Item	Description	Unit Price	Amount
	WELL NAME	AHS Cattle Co #4		
250.00	CEMENT MATERIALS	Class A Common	17.90	4,475.00
2.82	CEMENT MATERIALS	Class A Common Gel Chloride Light Weight Out in Fact Charge	23.40	65.99
14.10	CEMENT MATERIALS	Chloride 2019	64.00	
250.00	CEMENT MATERIALS	Light Weight	16.50	l '
552.79	CEMENT SERVICE	Chloride Light Weight Cubic Feet Charge	2.48	1,370.92
546.60	CEMENT SERVICE	Ton Mileage Charge	2.60	1,421.16
1.00	CEMENT SERVICE	Surface	2,058.50	2,058.50
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
	CEMENT SERVICE	Manifold Head Rental	275.00	
t I	EQUIPMENT SALES	8-5/8 Top Rubber Plug	131.00	1
5	EQUIPMENT SALES	8-5/8 AFU Insert	447.00	1
	EQUIPMENT SALES	8-5/8 Basket	560.00	1,120.00
1	EQUIPMENT OPERATOR	Scott Priddy		
1	CEMENT SUPERVISOR	Todd Seba		
1	EQUIPMENT OPERATOR	Justin Bower		
	}			
				16 633 07

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 4,324.84

ONLY IF PAID ON OR BEFORE
May 20, 2014

Subtotal	16,633.97
Sales Tax	805.55
Total Invoice Amount	17,439.52
Payment/Credit Applied	
TOTAL	17,439.52



ALLIED OIL & GAS SERVICES, LLC 062255

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SERVICE POINT:

MODICINE TONGE IS

DATE 4-25-14 SEC.	TWP. RANGE	SOU AM 700	ATION JOB START	JOB FINISH
AHS LEASE CATTLE COWELL#	4 LOCATION SCIONA		COUNTY BARBER	STATE
OLD OR NEW (Circle one)	WEST INTO	1 mi		
CONTRACTOR FOSSILL		OWNER CHIEFTON	016	
TYPE OF JOB SURFACE HOLE SIZE 12.74		CEMENT		
HOLE SIZE リ2 //4 CASING SIZE ゠゠゠゠゠	T.D. 1000 DEPTH 980,9	AMOUNT ORDERED 2	SO SX 65'35	12 CP1
TUBING SIZE 8 98	DEPTH 78011	370/C+ /4 & FLORES	1 /15320 010 1	172 11 1871
DRILL PIPE	DEPTH	200 SX CLASS A +3		
TOOL	DEPTH	# - NA CUS /F . S	70 C C (1980)C	,
PRES. MAX 1000	MINIMUM	COMMON 250	5× A @ 17.90	44.75.6
MEAS. LINE	SHOE JOINT 4/2.65 FF	POZMIX	-	
CEMENT LEFT IN CSG.	42,65 FT	GEL	sx 23.46	65.99
PERFS.		CHLORIDEI\(\text{\Pi} \cdot I)	5x 6 (04,00	
DISPLACEMENT 59月	BBLS	ASC		_
EQU	IPMENT			
PUMP TRUCK CEMENT	ERSCOTT PRODON / TODD SEE	ALWC 250		4125.00
#548/545 HELPERS			@	_
BULK TRUCK	SOSTIN BOWER		@	
# 381/252 DRIVER	ROY HERNANDEZ (HW	.)	@	
BULK TRUCK	ROY HOTCHING DE COM	· · · · · · · · · · · · · · · · · · ·	@	
# DRIVER			@- <u>-</u>	
		HANDLING	@ <u>~~</u>	
RE!	MARKS:	MILEAGE . 2487.78=26	Y TOTA	- 9568.3°
SAFTY MESTING RIG	υP	290 1.10 0.0	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PUMP SPACER , PUMI	P LEAD CEMENT		SERVICE	
	SHUT DOWN RELIESE FLE	и <u> </u>		
START DISPLACEMENT, W		DEPTH OF JOB	1000	
SLOW RATE & SO BBLE		WYPUMP TRUCK CHARG	E 20	258.50
	CIRCULATE CEMENT, WAIT	EXTRA FOOTAGE		0 88.03
	PUMP CEMENT TOP OFF	MILEAGE EV	20@ 7.7	
CEMENY STAYED. DI	ONT FALL BACK	MANIFOLD + Head	<u>85/8</u> @	275.00
		Handling 532.79		<u> 1370.92</u>
		Mileage 27.33/20	7	1421.16
CHARGE TO: CHISFTON	oil	200 cz - 31	·-/	L 5367.58
STREET	-\$-?	1395,57 = 26	TOTA	L JOHN
	ATEZIP			
CITYST	ATEZIP	PLUG &	FLOAT EQUIPME	ENT
		8 5/8	•	
			169 1210	121.00
	898		154 @ 131.U) [5], 00
	898	TOP RUBBER AFU INSBRT	1EA @ 13LO 1EA @ 447	
To Allied Oil Pr Gos Sami		TOP RUBBER	1EA @ 447.	0) 447,00
To: Allied Oil & Gas Servi	ices, LLC.	TOP RUBBER AFU INSERT	1EA @ 447.	0) 447,00
You are hereby requested t	ices, LLC. o rent cementing equipment	TOP RUBBER AFU INSERT	1EA @ 447. 2EA @ 560	0) 447,00
You are hereby requested t and furnish cementer and h	ices, LLC. o rent cementing equipment nelper(s) to assist owner or	TOP RUBSER AFU INSERT 2 BASKETS	1 EA @ 447. 2 EA @ 560 @@	ω 1120 00 ω 1120 00
You are hereby requested t and furnish cementer and h contractor to do work as is	ices, LLC. to rent cementing equipment nelper(s) to assist owner or listed. The above work was	TOP RUBBER AFU INSERT	1 EA @ 447. 2 EA @ 560 @@	0) 447.00 0) 112000
You are hereby requested t and furnish cementer and h contractor to do work as is done to satisfaction and su	ices, LLC. to rent cementing equipment nelper(s) to assist owner or listed. The above work was pervision of owner agent or	TOP RUBSER AFU INSERT 2 BASKETS	1 E A @ 447. 2 E A @ 5 600 @ @	0) 447.00 0) 112000
You are hereby requested t and furnish cementer and h contractor to do work as is done to satisfaction and su contractor. I have read and	ices, LLC. to rent cementing equipment nelper(s) to assist owner or listed. The above work was pervision of owner agent or d understand the "GENERAL"	TOP RUBSER AFU INSERT 2 BASKETS	1 E A @ 447. 2 E A @ 5 600 @ @	0) 447.03 0) 112000
You are hereby requested t and furnish cementer and h contractor to do work as is done to satisfaction and su contractor. I have read and	ices, LLC. to rent cementing equipment nelper(s) to assist owner or listed. The above work was pervision of owner agent or	TOP RUBBER AFU INSERT 2 BASKETS 441-48 = 26 SALES TAX (If Any)	1 E A	0) 447.03 0) 112000
You are hereby requested to and furnish cementer and he contractor to do work as is done to satisfaction and su contractor. I have read and TERMS AND CONDITION	ices, LLC. to rent cementing equipment nelper(s) to assist owner or listed. The above work was pervision of owner agent or 1 understand the "GENERAL INS" listed on the reverse side.	TOP RUBBER AFU INSERT 2 BASKETS 441-48 = 26	1 E A	0) 447.00 0) 112000
You are hereby requested to and furnish cementer and he contractor to do work as is done to satisfaction and su contractor. I have read and TERMS AND CONDITION	ices, LLC. to rent cementing equipment nelper(s) to assist owner or listed. The above work was pervision of owner agent or d understand the "GENERAL"	TOP RUBBER AFU INSERT 2 BASKETS 441-48 = 26 SALES TAX (If Any)	1 E4 @ 447. 2 EA @ 560 @ TOTA	0) 447.00 0) 112000
You are hereby requested t and furnish cementer and h contractor to do work as is done to satisfaction and su contractor. I have read and TERMS AND CONDITIO	ices, LLC. to rent cementing equipment nelper(s) to assist owner or listed. The above work was pervision of owner agent or 1 understand the "GENERAL INS" listed on the reverse side.	TOP RUBBER AFU INSERT 2 BASKETS 441-48 = 26 SALES TAX (If Any) TOTAL CHARGES L	1 E4 @ 447. 2 EA @ 560 @ TOTA	0) 447,00 0) 112000 112000
You are hereby requested t and furnish cementer and h contractor to do work as is done to satisfaction and su contractor. I have read and TERMS AND CONDITIO	ices, LLC. to rent cementing equipment nelper(s) to assist owner or listed. The above work was pervision of owner agent or 1 understand the "GENERAL INS" listed on the reverse side.	TOP RUBBER AFU INSERT 2 BASKETS 441-48 = 26 SALES TAX (If Any) TOTAL CHARGES 14 DISCOUNT	1 E4 @ 447. 2 EA @ 560 @ TOTA	0) 447,00 0) 112000 112000



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

(817) 246-3361

Bill To:

Chieftain Oil Company Inc.

P O Box 124

Kiowa, KS 67070-0124

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Invoice Number: 142850

Invoice Date: Apr 23, 2014

Page:

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Customer ID	Field Ticket #	Payment	Terms	
Chieft	62254		Net 30 Days	
Job Location	Camp Location	Service Date	Due Date	
KS1-01	Medicine Lodge	Apr 23, 2014	5/23/14	

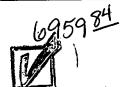
Quantity	Item	Description	Unit Price	Amount
- ,	WELL NAME	AHS Cattle Co. #4		-
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
	CEMENT MATERIALS	Pozmix	9.35	1,122.00
	CEMENT MATERIALS	Gel College	23.40	117.00
	CEMENT MATERIALS	Chloride 6 201	64.00	640.00
	CEMENT MATERIALS	Class A Common Pozmix Gel Chloride Flo Seal Cubic Feet Charge	2.97	222.75
	CEMENT SERVICE	Cubic Feet Charge	2.48	831.54
271.64		Ton Mileage Charge	2.60	706.26
1.00		Surface	1,512.25	1,512.25
	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	154.00
T .	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
	EQUIPMENT OPERATOR			
,	CEMENT SUPERVISOR	Jason Thimesch		
1.00	OEMERT OOI ERTIOOR			
	<u> </u>	Subtotal		8.890.8

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

2,311.61

ONLY IF PAID ON OR BEFORE May 18, 2014

TOTAL	9,271.45
Payment/Credit Applied	
Total Invoice Amount	9,271.45
Sales Tax	380.65
Subtotal	8,890.80



ALLIED OIL & GAS SERVICES, LLC 062254 Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SERVICE POINT:

MEDICINE LODGE IS

DATE 4-23-14 SEC. TWP. RANGE 12	CALLED OUT ON LOCATION JOB START JOB FINISH
BHS CATTECO	COUNTY STATE
LEASE WELL# / LOCATION /C/ou	A JUMCTION WEST BARBER ICS
OLD ORNEW (Circle one) INTO @ ?	COULDUS LOCATION.
CONTRACTOR FOR CALL	4 (1) (1)
CONTRACTOR FOSS ILL	OWNER CHIEF-YOR OIL
TYPE OF JOB SURFACE HOLE SIZE 17½ T.D.	CEMENT
HOLE SIZE /7 ½ T.D. CASING SIZE /3 3/2 DEPTH 3/8	_ AMOUNT ORDERED 300 SX
TUBING SIZE DEPTH	60:40 + 3%cc + 2% GOL + 14 FLOSODE
DRILL PIPE DEPTH	0:70:070007270000
TOOL DEPTH	
PRES. MAX 200 # MINIMUM	COMMON_180 sc @ 17.90 3222.00
MEAS. LINE SHOE JOINT	POZMIX 120 sk @ 9.35 1122 00
CEMENT LEFT IN CSG. 20	GEL 55x @ 23.40 117 00
PERFS.	CHLORIDE 10 5x @ 6400 (40.00)
DISPLACEMENT 45 1/2 BRCS	_ ASC@
	Flosen 75" @ 2.97 222.75
,	
PUMPTRUCK CEMENTER SCOTY PRIDDY	- @
#892/555 HELPER JUSON THIMISOIT	
BULK TRUCK	
# 364 DRIVER ROY HURNANDEZ (+1)	b) ————————————————————————————————————
BULK TRUCK # DRIVER	@
# DRIVER	- HANDLING @_ ? / ?
;; ;	MILEAGE O
REMARKS:	1384.D = 26% TOTAL 5323.75
RIG UD, PRESSURE TEST	/384.17 = 26% TOTAL = 325.15
BROME EIRCULATION & FUMP SPACER	SERVICE
PUMP CEMONT	
DISPLACE 45 1/2 BBL FRESH HID	DEPTH OF JOB 3181
WASH OF ON TOP OF PWa	PLIMPTRICK CHARGE 1512 25
END DISPLACMENT SHUT IN WEL	
DID CIRCULATE CEMENT	MILEAGE
	1000 50kp 335.3 culft @ 2.48 831.544
	13.582 x 20 = 271.64 @ 260 706.26
	Head+Man: 61d @ 275.00
CHARGE TO: CHIEFTON OIL	_ 927.43 = 26%
STREET	TOTAL 3567.05
	···
CITYSTATEZIP	PLUG & FLOAT EQUIPMENT
	25/0
	@
	@
To: Allied Oil & Gas Services, LLC.	@
You are hereby requested to rent cementing equipment	
and furnish cementer and helper(s) to assist owner or	•
contractor to do work as is listed. The above work was	TOTAL
done to satisfaction and supervision of owner agent or	
contractor. I have read and understand the "GENERAL	
TERMS AND CONDITIONS" listed on the reverse sid	TOTAL CHARGE \$890.80
()	IUIAL CHARGE
PRINTED NAME / Luil Leiker	DISCOUNT IF PAID IN 30 DAYS
, 11 11 // .	15th 1 = 20 10
SIGNATURE	Net 6579.19

HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE

Fracture Date:	6/7/2014	
County:	Barber	
Operator Name:	: Chieftain Oil	
Well Name and Number:	: AHS Cattle Co. #4	
Total Base Fluid Volume (gal)*:		

Hydraulic Fracturing Fluid Composition:

		. 4	·	Chemical	Maximum	Maximum
			i	Abstract	Ingredient	Ingredient
Trade Name	Supplier	Purpose	Ingredients	Service	Concentration	Concentration
Haue Name	Supplier	, uipose	1.18. 02.1.1.1	Number	in Additive	in HF Fluid
		9		(CAS#)	(% by mass)**	(% by mass)**
Plexslick 957	Chemplex	Friction Reducer	Petroleum Hydrotreated Light Distillate	64742-47-8	25%	0.0200323%
Plexsurf S80 ME	Chemplex	Product Stabalizer	Methyl Alcohol	67-56-1	10%	0.0025013%
Plexsurf 580 ME	Chemplex	Product Stabalizer	2-Butoxyethanol	111-76-2	50%	0.0125066%
Claymax	Chemplex	Clay Stabalizer	No hazardous ingredient	N/A	0%	0.0000000%
Plexcide 87	Chemplex	Biocide	Sodium Hydroxide	1310-73-2	5%	0.0002500%
Plexcide 87	Chemplex	Biocide	Alkaline Bromide Salts	N/A	0%	0.0000000%
Plexgel Breaker XPA	Chemplex	Breaker/Slickwater	Hydrogen Peroxide	7722-84-1	7%	0.0014118%
Plexset 730	Chemplex	Activator	Methanol	67-56-1	50%	0.7500000%
Plexset 730	Chemplex	Activator	Alcohol Ethoxylates	Mixture	60%	0.9000000%
Frac Sand	Uniman	Propant	Crystalline Silica in the form of Quartz	14808-60-7	60%	29.5%
Plexgel 907L-EB	Chemplex	Gelling Agent	Hydrocarbons	68476-34-6	100%	0.5000000%
Plexgel Breaker 10L	Chemplex	Breaker/Gel	No Hazardous Ingredient	N/A	0%	0.0000000%
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