

C	onfiden	tiality	/ Requested	:
	Yes	N	10	

Kansas Corporation Commission Oil & Gas Conservation Division

1108361

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:			SecTwpS. R East			
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			1			
GSW	Permit #:		Operator Name:			
_ _			Lease Name:	License #:_		
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	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 II Approved by: Date:

Page Two



Operator Name:				Lease N	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ing and shut-in pressu	ires, whe	ther shut-in pre	ssure reac	hed stati	c level, hydrosta	tic pressures, bott			
Final Radioactivity Log files must be submitte						gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital elec	tronic log
Drill Stem Tests Taken (Attach Additional S		Ye	es No		L		on (Top), Depth an		Samp	
Samples Sent to Geol	ogical Survey	_ Ye	es No		Nam	е		Тор	Datur	n
Cores Taken Electric Log Run		Y€								
List All E. Logs Run:										
				RECORD	☐ Ne					
				conductor, su	rface, inte	ermediate, producti			I	
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used	Type and P Additiv	
			ADDITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks Used Type and Percent Additives						
Perforate Protect Casing	357 23333									
Plug Back TD Plug Off Zone										
1 ag on zono										
Did you perform a hydrau	ılic fracturing treatment o	n this well?	•			Yes	No (If No, ski	p questions 2 ar	nd 3)	
	otal base fluid of the hydra		J	,	0		_ , ,	p question 3)	(" 100 ")	
Was the hydraulic fractur	ing treatment information	submitted	to the chemical o	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot			D - Bridge Plug Each Interval Perf				cture, Shot, Cement			Depth
	. ,							,		
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or ENH	IR.	Producing Meth Flowing	nod:	g 🗌	Gas Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er Bl	ols. G	as-Oil Ratio	Gr	ravity
DISDOSITIO	ON OF GAS:			METHOD OF	COMPLE	TION:		PRODUCTIO	ON INTERVAL:	
Vented Sold			Open Hole	Perf.	Dually	Comp. Con	nmingled	THODOUTIC	ZIV IIVI LTIVAL.	
(If vented, Sub			Other (Specify)		(Submit)	ACO-5) (Subi	mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Chaco Energy Company
Well Name	Scheetz 3-21
Doc ID	1108361

All Electric Logs Run

Neutron Density	
Sonic	
Microresistivity	
Induction	

WELL PROGNOSIS

Badger Prospect

Tite Hole keep all info. Confidential

Operator: Chaco Energy Co.

Well Name: Scheetz #3-71 3-21

Location: 850' FSL, 1245' FWL Appox. NE SW SW

Section 21-T13s-R32W Logan County, Kansas.

Operator: Chaco Energy Co. Phone; 303-744-1480

Geologist: Chris Gough- CPG Exploration, LLC.... Phone 303-893-9020

FORMATION LOG TOPS

Elevations: G.R. 3047.3 (9' Diff.) K.B. 3056'

Estimated Formation Tops:

Chaco En.

			<u>Sample</u>	<u>Log</u>
\mathbf{A}	nhydrite	2529' 527		2524' 532
H	eebner Sh.	4014' -958		3998' -942
L	ansing	4058' -1002	2	4032' -976
St	tark Sh.	4287' -1231		4281' -1225
M	[armaton	4391' -1335		4385' -1329
F ₁	t. Scott	4541' -1485		4534' -1478
\mathbf{C}	her. Sh.	4570' -1514		4560' -1504
Jo	ohnson	4611' -1555		4604 -1548
S	and	4657' -1601		4647' -1591
M	liss.	4667' -1611		4678' -1622
E	st. T.D.	4770'		4768'

Scheetz #3-21
Perforations and Treatments by Interval

		**************************************		***************************************	No Ho		Nom. Gun Size	Ammir estatular construction and state of the state of th	Acid Con	Acid Vol
Zone	Тор	-	3otton	Ft	les	SPF		(in)	(%)	(gal)
Lansing B	4078	-	4086	8	24	3.0	3 1/8"	0.35	15	1000
				***************************************						977/30/00-00/06/97/3/26/40-06/09/9/3/3/4/40
Lansing D	4132	-	4134	2	8	4.0	3 1/8"	0.35	15	250
								<u></u>		
Lansing H	4212		4216	4	16	4.0	3 1/8"	0.35	15	500
		***************************************								***************************************
Lansing I	4248	-	4252	4	16	4.0	3 1/8"	0.35	15	500
		***********			×*************************************					
U Pawnee	4483	-	4487	4	16	4.0	3 1/8"	0.35	15	500
Johnson	ACOE.		4000	4 -	4 = 4	~~~~~~				******************************
JUIII150[]	4605	-	4620	15	45	3.0	3 1/8"	0.35	15	2250
Morrow	4629		1621	~	0	4.0	0.4/0"	0.05		
IVIOLIOVV	4023	-	4631	2	8	4.0	3 1/8"	0.35	7.5	250



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282 (817) 246-3361

Bill To:

Chaco Energy Company P O Box 1587

Denver, CO 80201

FEB 0 4 2013

INVOICE

Invoice Number: 134467

Invoice Date: Jan 17, 2013

Page:

Now Includes:



	Customer ID	Well Name/# or Customer P.O.	Paymen	t Terms
	Chaco	Scheetz #3-21	Net 30	Days
Respection	Job Location	Camp Location	- Service Date	Due Date
	KS1-03	Oakley	Jan 17, 2013	2/16/13

L	VOI-	-03	Carriey		Jan 17, 20	13	2/10/13	
	Quantity	. Item	Des	cription.	Unit	Price	Amour	nt.
	156.00	MAT	Class A Common	ender of the second		17.90	2	,792.40
	104.00	MAT	Pozmix			9.35		972.40
	9.00	MAT	Gel			23.40		210.60
	65.00	MAT	Flo Seal			2.97		193.05
	1.00	SER	Abandon Well Plug			1,250.00	1	,250.00
	1.00	CEMENTER	LaRene Wentz					
	1.00	OPER ASSIST	Paul Beaver					
	1.00	OPER ASSIST	Kevin Ryan					
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ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

ONLY IF PAID ON OR BEFORE Feb 11, 2013

Nag tid			 	 	1
Subtotal					5 418 45
Sales Tax					422.64
Total Invoice Am	ount	: :		 : ::::	5,841.09
Payment/Credit A	Applied	111.	 111		
TOTAL					5,841.09

MAY: #4789.69

BASED ON NET SALES TAX
NISIN PER GARY GILETTE / ALLIED

TED - 8 2012

ALLIED OIL & GAS SERVICES, LLC 058866

REMIT TO P.O. BOX 91959 SOUTHLAKE, TEXAS 7692

	∞ _;	Ĵ				No. O	ž
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KEMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	13 SEC. 21 W. 3 NAVOR Flammus 3-21 icox mon Carlet Circle and	HOLESTON ALLESTON CASHO SIZE TUBING SIZE TUBING SIZE TO DETH TOOL.	AX NUMBUM INE SHOELOINT ASOS TO 17,3201 EMENT 2	PUMPTRUCK CEMBYTER CALBURY (23) 1431 HELPER ROLL BANGER 7 1570 (1270 CAR) SULKTRUCK DRIVER KALTHE RYCK 7 1911 SULKTRUCK DRIVER	RECOMMENS. 15 COMMENT - 22601 15 COMMENT OF COMMENT O	Mont for.	THANGETO, VALACES TREET TY STATE ZIP

To: Allied Oil & Gas Strvices, LLC.

fou are hereby requested to rent cementing equipment
and furnish cornector and helper(s) to assist owner or
contractor to do work as its fisted. The above work was
fone to satisfaction and supervision of owner agent or
contractor. I have read and understand the "GRNERAL
IERMS AND CONDITIONS" listed on the rovene side.

RINTED NAME_

SALES TAX (If Any)___

IONATURE CAN MEALE

4789.69 4443.13 13%

ALLIED JIL & GAS SERVICES, LLC

FEB 0 4 2013

INVOICE

Invoice Number: 134465

Invoice Date: Jan 16, 2013

Page:

Now Includes:



99 Sou , TX 76092

Voice: (817) Fax: (817)

(817) 546-7282 (817) 246-3361

Bill To:

Chaco Energy Company P O Box 1587 Denver, CO 80201

Customer ID	Well Name/# or Customer P.O.	Payment	Terms
Chaco	Scheetz #3-21	Net 30	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jan 16, 2013	2/15/13

	ltem	Description	Unit Price	Amount
Quantity 60.00		Class A Common	17.90	1,074.00
40.00		Pozmix	9.35	374.00
and the second s	MAT	Gel	23.40	70.20
		Cottonseed Hulls	35.00	140.00
4.00	1	Cubic Feet	2.48	1,021.10
411.73	1	to the control of the	2.60	1,069.38
411.30	i -	Ton Mileage	1,250.00	1,250.00
1.00	l .	Plug to Abandon	7.70	192.50
25.00		Pump Truck Mileage	4.40	110.00
25.00	The second secon	Light Vehicle Mileage		
1.00		Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	D J Gray		
	1414 - 1134 - 1144 - 11			
		- No attition		
		alland tellow FEB - 8 2013		
	:	2 2013		
	1	GOODEER - 8 2010		
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		Subtotal		5,801.1
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ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 954.21

ONLY IF PAID ON OR BEFORE
Feb 10, 2013

SCANNED

Subtotal 5,301.18
Sales Tax 413.49
Total Invoice Amount 5,714.67
Payment/Credit Applied
TOTAL 5,301.18

5,301.18

413.49

PHSED ON NET SALES

EAMED ASI

058832 20. 20.	S. 1)	1996 2416 54 1974 62 1974 62 1930 72 1930 73		1007.33 3748.68 2008.00 2008.50	TOTAL J.S.S.2. 222
ALLIED OIL & GAS SERVICES, LLC Fedoral Tox 15.7 20-5077804 SERVICE POOR SERVICE POO	CALLED OUT CALLED ON CONTROL ST.	CEMENT OF DESCRIPTION OF SAND SAND SAND SAND SAND SAND SAND SAND			O & TLOAT BOU
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By 7-546-3358 JUNY - 482.3887 amy anem 113 NET

MaxIT 4/2

50, cAre +x. 785-672-3471 SHELLY

TOTAL CHARGES 49 521,18 PRE- TAY

DISCOURT 95421 IFRAD IN 30 DAYS

1876 + 346, 97 N.21

CHATURE BUTHERILLY

SINTED NAME

o: Allied Oil & Gas Services, LLC.
Ou are hereby requested to rest tementing equipment
and formist cementer and helper(s) to assist owner or
antersfor to do work as it silested. The above work was
one to satisfaction and supervision to cover agent or
outractor. I have read and understand the "GENERAL
ERMS AND CONDITIONS" listed on the reverse side.

X 1.07B



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

(817) 246-3361

Chaco Energy Company P O Box 1587 Denver, CO 80201

INVOICE

Invoice Number: 133898

Invoice Date: Dec 6, 2012

Page:

1



Cospined D	Well Name####################################	Paymen	tiems = 3 // se
Chaco	Sheetz #3-21	Net 30	Days
W Salebe Location	Sex Camp Edication	Service Date:	Due Date
KS1-01	Oakley	Dec 6, 2012	1/5/13

V91-01				
Quantity of a life	m a Descri	fion	Umi Price	Amount
140.00 MAT	Class A Common		17.90	2,506.00
3.00 MAT	Gel		23.40	70.20
5.00 MAT	Chloride		64.00	320.00
151.39 SER	Cubic Feet		2.48	375.45
117.47 SER	Ton Mileage		2.60	305.42
1.00 SER	Surface		1,512.25	1,512.25
25.00 SER	Pump Truck Mileage		7.70	192.50
1.00 SER	Manifold Swedge Rental		275.00	275.00
25.00 SER	Light Vehicle Mileage		4.40	110.00
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ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF



ONLY IF PAID ON OR BEFORE
Dec 31,2012

Subtotal	5,666.82
Sales Tax	225.90
Total Invoice Amount	5,892.72
Payment/Credit Applied	
TOTAL TO THE TOTAL TOTAL	7.9km,2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1



ALLIED OIL & GAS SERVICES, LLC 060009 Federal Tax 1.D. # 20-8651476

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12-6-1- DATE	2 SEC	TWR.	ranob 32.	CA	LLEDOUT	ON LOCA	ATION	OLSTART 7:30 Pm	JOB FINISI	Pos
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OFD OKATE.	V)(Circle one)		-	4	_65666			امرا	•	7.
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To: Allied	Oil & Gas Sei	Vices, LLC	, nenting equip	mën!	Sand Control		2007 (Par 192	_@		
and firmish	cementer and	i helper(s)	o assist owne	FOL	Santa Paggar	er energy server	 ***********	_@	त रहा उपकर	
contractor	to do work as	is listed. T	he above wor	k was				PACTA	ř.	
done to sat	isfaction and	supervision	of owner age	ntor			::	TOTA	ــــــــــــــــــــــــــــــــــــــ	
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PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

(817) 246-3361

BIII:To:

Chaco Energy Company P O Box 1587

Denver, CO 80201



INVOICE

Invoice Number: 134112

Invoice Date: Dec 17, 2012

Page: 1



Customer (D	Well Name/# or Customer P.O.	Paymen	t Terms
Chaco	Scheetz #3-21	Net 30	Days
Job Location	Gamp Location	Service Date	Due Date
KS1-04	Oakley	Dec 17, 2012	1/16/13

Quantity	ltem_	Description	Unit Price	Amount
260.00	Colored to the second of the s	Class A Common	17.90	4,654.00
25.00		Salt	26.35	658.75
12.00	MAT	WFR-2	58.70	704.40
	MAT	Cla Pro	34.40	68.80
285.70	SER	Cubic Feet	2.48	708.68
327.25	SER	Ton Mileage	2.60	850.85
1.00	SER	Port Collar	2,765.75	2,765.75
25.00	SER	Pump Truck Mileage	7.70	192.50
1.00	SER	Manifold & Head Rental	275.00	275.00
25.00	SER	Light Vehicle Mileage	4.40	110.00 (
1.00	EQP	4.5 Port Collar	2,907.45	2,907.45
2.00	EQP	4.5 Basket	315.90	631.80
1.00	EQP	4.5 Latch Down Assembly	272.61	272.61
8.00	EQP	4.5 Centralizer	56.16	449.28
1.00	EQP	4.5 AFU Float Shoe	496.08	496.08
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Kevin Ryan		
		Kevin Ryan Subtotal Subtotal		
		(M) Keyllboom		
		I JULIA DE LA COLOR DE LA COLO	\$11	j
ALL DDICES AD	E NET PAVARI R	Subtotal Subtotal		15,745.96

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

\$13,6**2**1,56

ONLY IF PAID ON OR BEFORE
Jan 11, 2013

2013	<u> </u>
Subtotal Subtotal - 8 2013	15,745.95
Sales Tax	845.77
Total Invoice Amount	16,591.72
Payment/Credit Applied	
TOTAL	76,591,72

12970.16

SCANNED

(FYI)

ALLIED OIL & GAS SERVICES, LLC 058822 Federel Tex 1.D.# 20-5975804

EMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT:
ATB 12/17/12 SEC. TWP. RANGE CO	ALLED OUT ON LOCATION JOB START JOB FINISH
EASESCHUTZ WELL # 3-21 LOCATION ON A KILL LOCATION ON A KILL WELL # 3-21 LOCATION ON A KILL W	155 13/4 W Nido Copon K)
ONTRACTOR #2 A lo 3	OWNER Same
YPE OF JOB Production - Post Color	
OLB SIZE 77/8 TD. 4770	CEMENT AMOUNT ORDERED 260 Com 10 90 Sect
ASING SIZE 4/4 DEPTH UBING SIZE DEPTH	AMOUNT OKDBRED CON TO TO SHOOT
UBING SIZE DEPTH RILL PIPB DEPTH	-500galwerk II
OOL POST LOUIS DEPTH 2500	COMMON 260 @17 90 4651 90 1654
RES, MAX MINIMUM	COMMON 260 @1790 4651 00 11654
IEAS. LINE SHOBJOINT 45.0	POZMIX@
EMENT LEFT IN CSG.	GBL@
ERFS.	CHLORIDE@
ISPLACEMENT HO	ASC
EQUIPMENT'	Sult 25 841 0 26 658 22
UMPTRUCK CEMENTER COM	WER II WALL OSANDE 704 40
1372 HELPER Wayne 2	@
UCK TRUCK	Clu fro 2 gol @ 34 18
ULK TRUCK	<u> </u>
DRIVER	HANDLING 385 27 CF @ 2 4 208 55 15
	MILEAGE 26 720/ cm/le 13.09700 850 32
remarks:	monu State
Con Complete May WEATH Took of 1088C.	SERVICE 7673.
Vachen Displace WIN ARL KCV. B3	ODNI 100
	DEPTH OF JOB
WISOD AT LIFT	PUMPTRUCK CHARGE 2265 -
	EXTRA FOOTAGE@
- fulk tes	MILEAGE 2 @ 2 1925
- Hoy Ryne Andell	MANIFOLD effect @ 470 110 000
· · ·	BEANSWINE @
HARGE TO Chaco Energy	TOTAL 3343 25
TREET	
ITYSTATEZIP	
111	PLUG & FLOAT EQUIPMENT
	45
孤	- April Collar -1 @
	(Bas 147 - 031 -
'o: Allied Oil & Gas Services, LLC.	CATALOGO DE STIP Y49
ou are hereby requested to rent cementing equipment	HEU FLOAT SLOP -1 @ 496 22 496
nd furnish cementer and helper(s) to assist owner or	22
ontractor to do work as is listed. The above work was	TOTAL 4757 2
one to satisfaction and supervision of owner agent or ontractor. I have read and understand the "GBNBRAL	04.501
BRMS AND CONDITIONS" listed on the reverse side.	SALES TAX (IF Any) 373,76
DIGITO COLLECTIONS INCOME INCOME	TOTAL CHARGES 15-753. 75 /3 /4-2173
	SALES TAX (IFAny) 345.76 TOTAL CHARGES 15.745.95 DISCOUNT 36.21.56 IR PAID IN 30 DAYS
RINTED NAME	DISCOUNT FRANCES IN THE INCOME.
0 4.2 1	1212439
IGNATURE Over Weaverly	. 25B
**	



Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587 Denver, Co 80201 Scheetz 3-21

Job Ticket: 042345

Tester:

Unit No:

DST#:1

3047.00 ft (CF)

ATTN: Austin Garner

Test Start: 2012.12.12 @ 04:20:00

GENERAL INFORMATION:

Formation: LKC H-J

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 06:18:15 Time Test Ended: 10:59:30

Interval:

4203.00 ft (KB) To 4277.00 ft (KB) (TVD) Reference Elevation

Total Depth: 4277.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3056.00 ft (KB)

Bradley Walter

53

KB to GR/CF: 9.00 ft

Serial #: 8522 Outside

Press@RunDepth: 39.92 psig @ 4204.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2012.12.12
 End Date:
 2012.12.12
 Last Calib.:
 2012.12.12

 Start Time:
 04:10:05
 End Time:
 10:49:29
 Time On Btm:
 2012.12.12 @ 06:17:45

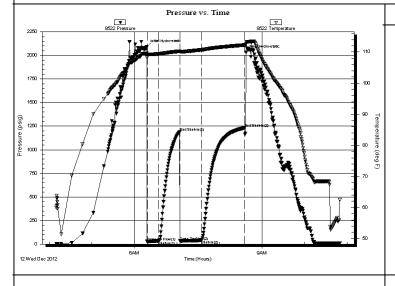
 Time Off Btm:
 2012.12.12 @ 08:37:30

TEST COMMENT: IF: Surface blow, died @ 12 min.

ISI: No return.

FF: Surge noted then died.

FSI: No return.



MARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2090.34	109.58	Initial Hydro-static
1	25.99	109.08	Open To Flow (1)
17	33.40	109.39	Shut-In(1)
47	1189.47	110.26	End Shut-In(1)
47	32.86	110.03	Open To Flow (2)
77	39.92	110.69	Shut-In(2)
138	1231.79	112.25	End Shut-In(2)
140	2031.47	112.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100m	0.05

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 042345 Printed: 2012.12.12 @ 11:17:12



FLUID SUMMARY

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587

Scheetz 3-21

Denver, Co 80201

Job Ticket: 042345

DST#:1

ATTN: Austin Garner

Test Start: 2012.12.12 @ 04:20:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:0 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Viscosity: 52.00 sec/qt Cushion Volume: bbl

7.60 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2500.00 ppm Filter Cake: 1.00 inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

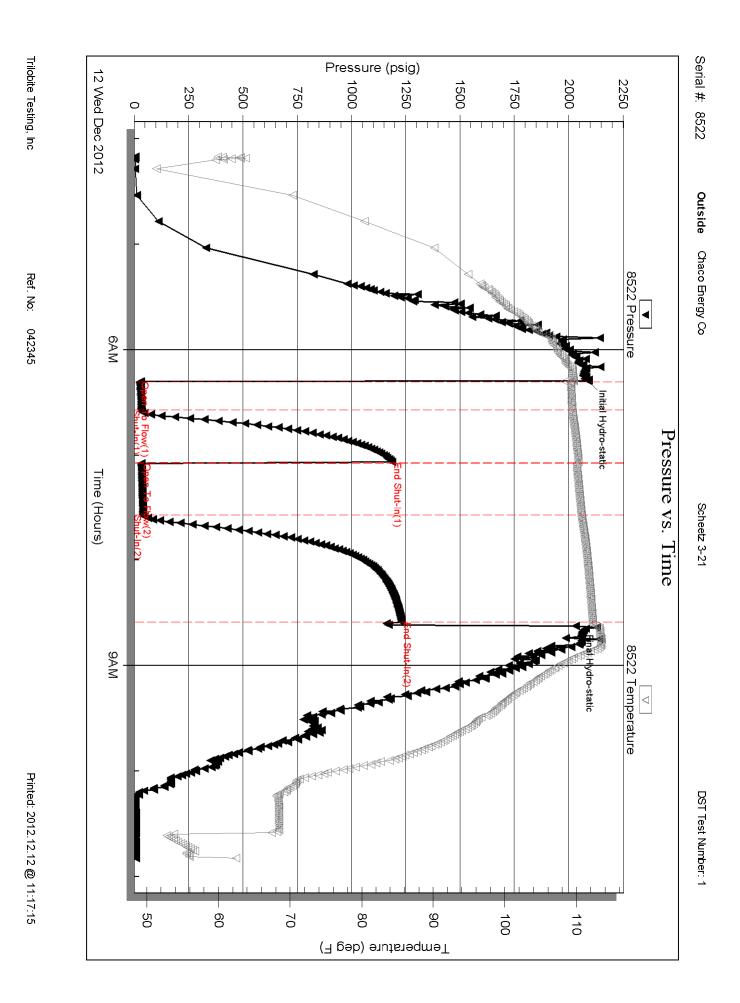
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #:

Trilobite Testing, Inc Ref. No: 042345 Printed: 2012.12.12 @ 11:17:14





Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587 Denver, Co 80201

ATTN: Austin Garner

Scheetz 3-21

Tester:

Job Ticket: 042346 **DST#: 2**

Test Start: 2012.12.13 @ 17:37:00

GENERAL INFORMATION:

Formation: Pawnee

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 21:41:45 Time Test Ended: 02:30:30

Interval:

4483.00 ft (KB) To 4531.00 ft (KB) (TVD)

Total Depth: 4531.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Unit No: 53

Bradley Walter

Reference Elevations: 3056.00 ft (KB) 3047.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8522 Outside

Press@RunDepth: 26.62 psig @ 4484.00 ft (KB) Capacity: 8000.00 psig

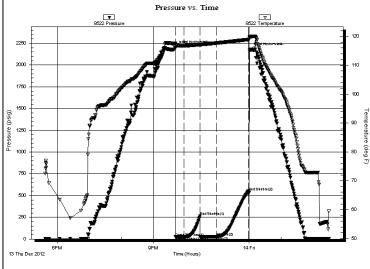
 Start Date:
 2012.12.13
 End Date:
 2012.12.14
 Last Calib.:
 2012.12.14

 Start Time:
 17:37:05
 End Time:
 02:30:30
 Time On Btm:
 2012.12.13 @ 21:41:30

 Time Off Btm:
 2012.12.14 @ 00:01:15

TEST COMMENT: IF- Surface blow, died @ 8 min.

ISI- No return. FF- No blow . FSI- No return.



	PRESSURE SUMMARY			
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2195.63	117.56	Initial Hydro-static
	1	23.73	116.39	Open To Flow (1)
	16	25.65	116.77	Shut-In(1)
4	47	263.15	117.22	End Shut-In(1)
	47	25.25	117.11	Open To Flow (2)
	77	26.62	117.71	Shut-In(2)
(doa	137	547.97	118.91	End Shut-In(2)
9	140	2173.84	119.52	Final Hydro-static

DDECCLIDE CLIMANA DV

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100m	0.01
* Recovery from multiple tests		

Gas Rat		
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 042346 Printed: 2012.12.14 @ 06:39:50



FLUID SUMMARY

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587 Denver, Co 80201 Scheetz 3-21

Serial #:

Job Ticket: 042346

DST#: 2

ATTN: Austin Garner

Test Start: 2012.12.13 @ 17:37:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 60.00 sec/qt Cushion Volume: bbl

Water Loss: 6.39 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100m	0.015

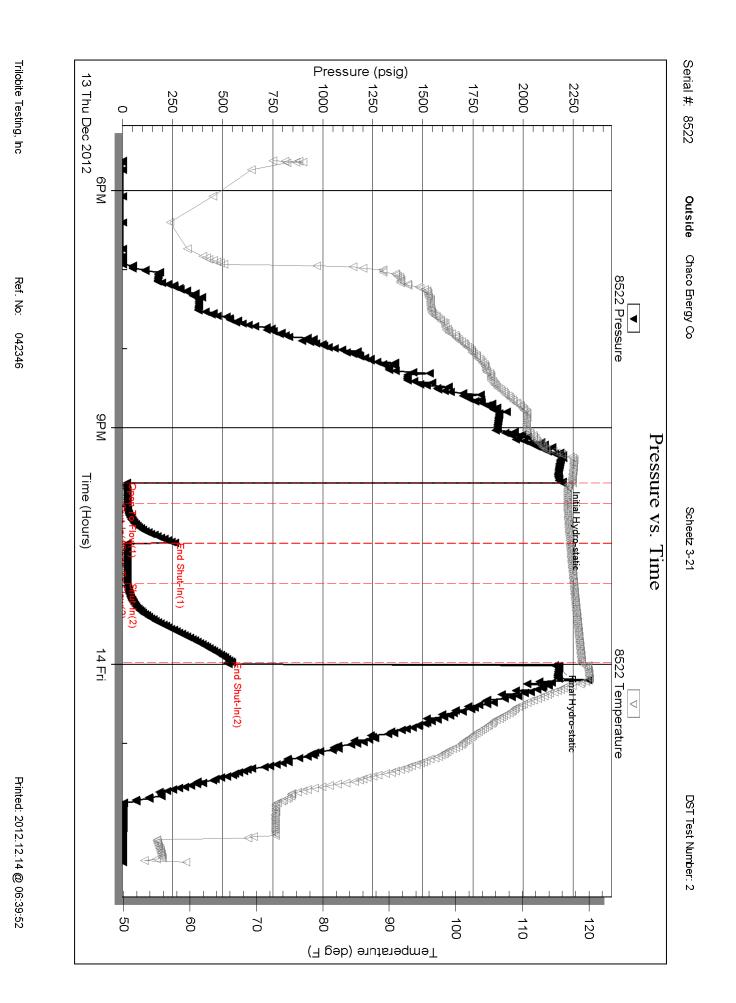
Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 042346 Printed: 2012.12.14 @ 06:39:51





Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587

Scheetz 3-21 Job Ticket: 042347

DST#: 3

3056.00 ft (KB)

Denver, Co 80201

ATTN: Austin Garner

Test Start: 2012.12.14 @ 20:01:30

Bradley Walter

53

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: Test Type: Conventional Bottom Hole (Reset) No Whipstock: ft (KB)

Time Tool Opened: 22:33:30 Tester: Time Test Ended: 04:51:15 Unit No:

4573.00 ft (KB) To 4627.00 ft (KB) (TVD) Reference Elevations: Interval:

Total Depth: 4627.00 ft (KB) (TVD)

3047.00 ft (CF) 7.88 inches Hole Condition: Good KB to GR/CF: Hole Diameter: 9.00 ft

Serial #: 8522 Outside

Press@RunDepth: 4574.00 ft (KB) 38.41 psig @ Capacity: 8000.00 psig

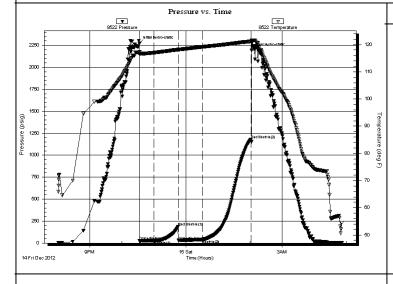
Start Date: 2012.12.14 End Date: 2012.12.15 Last Calib.: 2012.12.15 Start Time: 20:01:35 End Time: 04:51:15 Time On Btm: 2012.12.14 @ 22:33:15

Time Off Btm: 2012.12.15 @ 02:02:45

Time

TEST COMMENT: IF: Surface blow, died @ 15 min.

ISI: No return. FF: 1" blow. FSI: No return.



-		- 1	
(Min.)	(psig)	(deg F)	
0	2275.72	117.25	Initial Hydro-static
1	25.20	116.54	Open To Flow (1)
27	29.64	117.03	Shut-In(1)
73	185.99	118.17	End Shut-In(1)
73	29.44	118.14	Open To Flow (2)
118	38.41	119.14	Shut-In(2)
208	1180.04	121.18	End Shut-In(2)
210	2191.52	121.49	Final Hydro-static

Pressure Temp Annotation

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
30.00	gocm 5g 35o 60m	0.15
0.00	150' gassy oder.	0.00
* Recovery from mul	tiple tests	

Gas Raies		
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 042347 Printed: 2012.12.15 @ 06:57:27



FLUID SUMMARY

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587 Denver, Co 80201 Scheetz 3-21

Serial #:

Job Ticket: 042347

DST#: 3

ATTN: Austin Garner

Test Start: 2012.12.14 @ 20:01:30

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:0 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 6.40 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2500.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	gocm 5g 35o 60m	0.148
0.00	150' gassy oder.	0.000

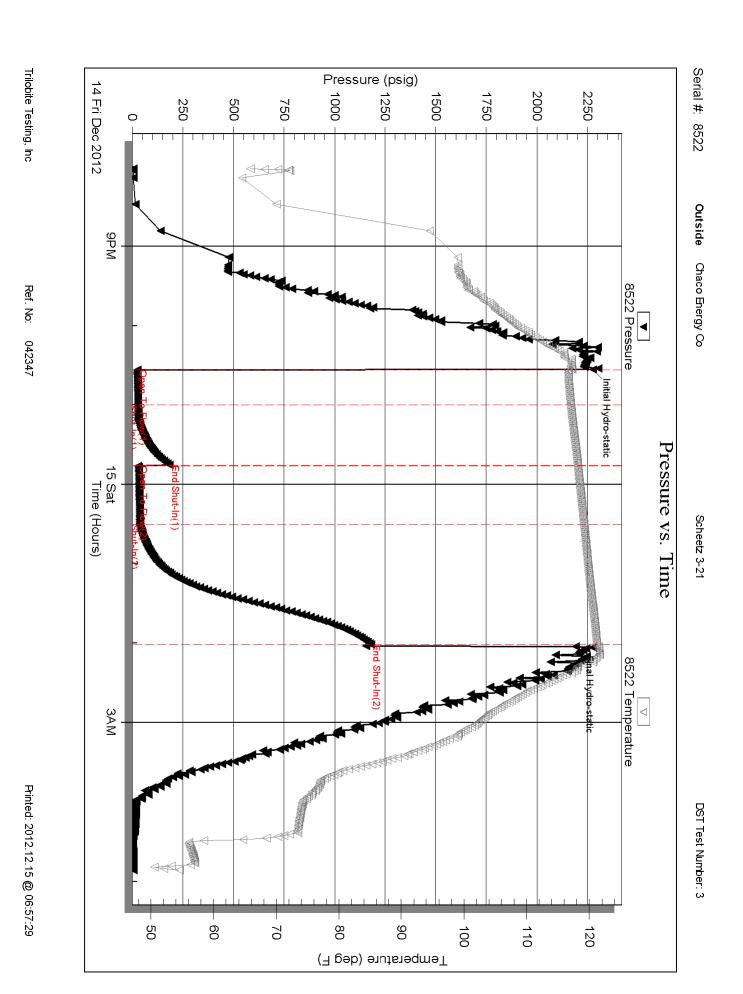
Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 042347 Printed: 2012.12.15 @ 06:57:28





Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587 Denver, Co 80201 Scheetz 3-21 Job Ticket: 042348

DST#: 4

ATTN: Austin Garner

Test Start: 2012.12.15 @ 14:30:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) ft (KB)

Time Tool Opened: 16:33:15 Time Test Ended: 23:37:15

Unit No: 53

Bradley Walter

Tester:

4630.00 ft (KB) To 4643.00 ft (KB) (TVD)

Reference Elevations:

3056.00 ft (KB)

4643.00 ft (KB) (TVD)

3047.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8522 Press@RunDepth:

Interval:

Total Depth:

Outside

4631.00 ft (KB) 73.00 psig @

Capacity:

8000.00 psig

Start Date: 2012.12.15 End Date: 2012.12.15 23:37:15 Last Calib.: Time On Btm:

2012.12.15 2012.12.15 @ 16:33:00

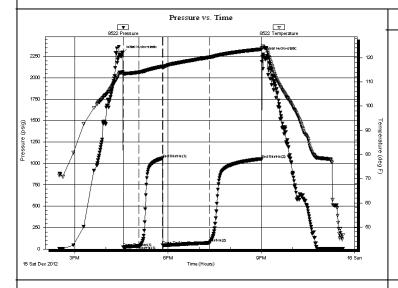
Start Time: 14:30:05 End Time:

Time Off Btm:

2012.12.15 @ 21:03:00

TEST COMMENT: IF: 1 1/2" blow.

ISI: No return. FF: 1 1/2" blow. FSI: No return.



/MARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2293.47	114.17	Initial Hydro-static
1	22.59	113.02	Open To Flow (1)
31	37.85	113.99	Shut-In(1)
76	1060.36	116.41	End Shut-In(1)
77	47.28	116.02	Open To Flow (2)
167	73.00	120.14	Shut-In(2)
268	1050.32	123.49	End Shut-In(2)
270	2271.95	124.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)	
70.00	mcw 30m 70w	0.34	
10.00	oil 100o	0.05	
0.00	40' gassy odor	0.00	
* Recovery from multiple tests			

Gas Rates

Choke (inc	ches) Pressure (psig)	Gas Rate (Mcf/d)
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Ref. No: 042348 Printed: 2012.12.18 @ 15:03:41 Trilobite Testing, Inc.



FLUID SUMMARY

Chaco Energy Co

21 13s 32w Logan, ks

P.O. Box 1587 Denver, Co 80201 Scheetz 3-21
Job Ticket: 042348

DST#: 4

ATTN: Austin Garner

Test Start: 2012.12.15 @ 14:30:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:32 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:58000 ppm

Viscosity: 50.00 sec/qt Cushion Volume: bbl

7.20 in³ Gas Cushion Type:

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm Filter Cake: 1.00 inches

ohm.m

Recovery Information

Water Loss:

Resistivity:

Recovery Table

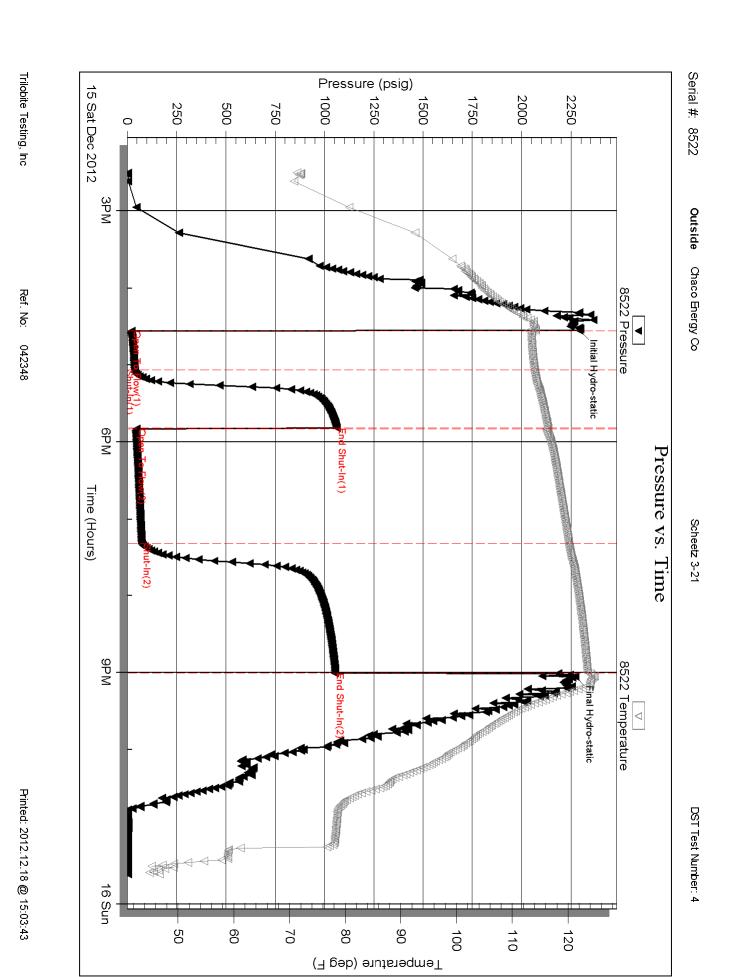
	Length ft	Description	Volume bbl
	70.00	mcw 30m 70w	0.344
	10.00	oil 100o	0.049
Г	0.00	40' gassy odor	0.000

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location: Recovery Comments: rw is .155 @ 50F = 58,000ppm

Trilobite Testing, Inc Ref. No: 042348 Printed: 2012.12.18 @ 15:03:43



Historical Notes - Scheetz #3-21 Additional Cementing to P&A Well

Date	Activity
1/16/2013	RU Allied and pumped 100 sx 60/40 Pos with 4% gel and 300# hulls, displaced with 13 sx gel in fluid. Could not get gun down, displaced gel with 30 bbl water at 900#, shot csg at 2550, 1575 and 250 with 2 shots at each depth.
1/17/2013	Ran 2.375" tbg to 2560, pumped 75 sx cement, pulled tbg to 1590, pumped 100 sx cement to circ to surface. Tied onto 8.625" and circ 100 sx cement.

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

February 28, 2013

Alan Nelson Chaco Energy Company PO BOX 1587 DENVER, CO 80201-1587

Re: ACO1 API 15-109-21147-00-00 Scheetz 3-21 SW/4 Sec.21-13S-32W Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Alan Nelson