

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1277985

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:							
Address 2:			Feet 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 Set 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 III Approved by: Date:					

Page Two



Operator Name:				Lease N	Name:			_ Well #:		
Sec Twp	S. R	East	West	County	:					
	ow important tops of fo ing and shut-in pressu o surface test, along wi	res, whe	ther shut-in pre	ssure reacl	hed stati	c level, hydrosta	tic pressures, bo			
Final Radioactivity Logilles must be submitted						gs must be ema	iled to kcc-well-lo	ogs@kcc.ks.go	v. Digital	electronic log
Drill Stem Tests Taken (Attach Additional S		Ye	es No			3	on (Top), Depth a			Sample
Samples Sent to Geol	ogical Survey	Ye	es 🗌 No		Nam	9		Тор	L	Datum
Cores Taken Electric Log Run		☐ Y€								
List All E. Logs Run:										
			CASING	RECORD	│ Ne	w Used				
		Repo				rmediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		e Casing : (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
									<u> </u>	
Purpose	Depth					EEZE RECORD				
Purpose: Perforate	Top Bottom	Type of Cement		# Sacks Used		Type and Percent Additives				
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrau	ilic fracturing treatment or	n this well?	·			Yes	No (If No, sk	ip questions 2 ar	nd 3)	
	otal base fluid of the hydra		•		•			ip question 3)		
Was the hydraulic fractur	ing treatment information	submitted	to the chemical of	disclosure reg	gistry?	Yes	No (If No, file	out Page Three	of the ACC)-1)
Shots Per Foot			ID - Bridge Plug Each Interval Perl			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth				
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or ENH	R.	Producing Meth Flowing	nod:	g 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil Bl	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio		Gravity
DIODOGITI	ON OF CAC			ACTUOD OF	COMPLE	TION		DDODUGT		
Vented Sold	ON OF GAS: Used on Lease		N Open Hole	NETHOD OF \Box Perf.	Dually	Comp. Con	nmingled	PRODUCTIO	λΝ ΙΝΙΕΚ\	/AL:
(If vented, Sub			Other (Specify)		(Submit A		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	NAE, Inc.
Well Name	E&C 2-35
Doc ID	1277985

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	226	Class A	3% CC 2% gel



P.O. Box 205803 Dallas, TX 75320-5803

Voice: Fax:

(832) 482-3742 (832) 482-3738

Bill To:

NAE Inc

317 Sidney Baker S Kerrville, TX 78028



Invoice Number: 150451

Invoice Date: Aug 5, 2015

Page:

1

Federal Tax I.D.#: 20-8651475

Customer ID	Field Ticket#	Payment	Terms
NAE	65589	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Aug 5, 2015 9/4/	

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	EC #2-35		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
329.00	CEMENT MATERIALS	Gel	0.50	164.50
494.00	CEMENT MATERIALS	Chloride	1.10	543.40
189.23	CEMENT SERVICE	Cubic Feet Charge	2.48	469.29
302.40	CEMENT SERVICE	Ton Mileage Charge	2.75	831.60
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
35.00	CEMENT SERVICE	Pump Truck Mileage	7.70	269.50
35.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	154.00
1.00	JOB DISCOUNT	Job Discount if paid within terms Material	1,843.41	-1,843.41
1.00	JOB DISCOUNT	Job Discount if paid within terms Service	1,553.57	-1,553.57
1.00	CEMENT SUPERVISOR	Wayne Davis		
1.00	EQUIPMENT OPERATOR	Brian Lang		
1.00	OPERATOR ASSISTANT	Marlyn Spangenberg		
		,		
	9			

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. ONLY IF PAID ON OR BEFORE

Sep 4, 2015

1 1/2% CHARGED THEREAFTER.

Subtotal	3,680.06
Sales Tax	149.77
Total Invoice Amount	3,829.83
Payment/Credit Applied	
TOTAL	3,829.83



P.O. Box 205803 Dallas, TX 75320-5803

Voice: Fax: (832) 482-3742

(832) 482-3738

Bill To:

NAE Inc

317 Sidney Baker S Kerrville, TX 78028

INVOICE

Invoice Number: 150513

Invoice Date: Aug 11, 2015

Page: 1

Federal Tax I.D.#: 20-8651475

Customer ID		Field Ticket #	Paym	Payment Terms Net 30 Days		
	NAE	67789				
Jo	b Location	Camp Location	Service Date	Due	Date	
KS1-03		Great Bend Aug 11, 2		9/10/15		
Quantity	Item	Description		Unit Price	Amount	
1.00	WELL NAME	E & C #2-35				
290.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	5,486.80		
73.00	CEMENT MATERIALS	Flo Seal	2.97	216.81		

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	E & C #2-35		
290.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	5,486.80
73.00	CEMENT MATERIALS	Flo Seal	2.97	216.81
311.60	CEMENT SERVICE	Cubic Feet Charge	2.48	772.77
456.00	CEMENT SERVICE	Ton Mileage Charge	2.75	1,254.00
1.00	CEMENT SERVICE	Plug to Abandon	2,483.59	2,483.59
35.00	CEMENT SERVICE	Pump Truck Mileage	7.70	269.50
35.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	154.00
1.00	JOB DISCOUNT	Job Discount if paid within terms Material	2,623.66	-2,623.66
1.00	JOB DISCOUNT	Job Discount if paid within terms Cement Service	2,269.58	-2,269.58
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Brian Lang		
1.00	OPERATOR ASSISTANT	Marlyn Spangenberg		
		1		
		4		
	ES ARE NET, PAYABLE	Subtotal		5,744.23
	FOLLOWING DATE OF E. ONLY IF PAID ON OR	Subtotal		5,744.23
INVOICE	BEFORE		430.82	
	Sep 10, 2015	Total Invoice Amount		6,175.05
	1/00/ 01/4 DOED	Payment/Credit Applied		
	1/2% CHARGED THEREAFTER.	TOTAL		6,175.05



CEMENTING LUG

STAGE NO.

8 4 4	Distric	68	**	cket No. <u>655</u>	Ny	CEMENT DATA:	10-1	and and an	E P	
Company A	Distric			cket No.	The second secon	Spacer Type:		ft³/sk Der	neity 8-34	PPG
Lease				ell No.		Ann.	_ Sks field	It % Sk Der	isity	FFG
	- C			ate 45				4		
Location			Fie			EAD: Pump Tim	ne	hrs. Type		7
CASING DATA:		Intermed	iate Pro	duction Lin	sc	Amt. 175	Sks Yield	ft³/sk D	ensity 15-2	
Size CAY	Type	Weig	ght	Collar				Ex		
				2				ft³/sk D /sk Tail gals/s		
					an one for the		31010/	Burn	ty .	
Casing Depths: To	op	*	Bottom			Pump Trucks Use Bulk Equip.	ed 3/6/6/			
		4				buik Equip.				
Drill Pipe: Size		Weight		Collars						
Open Hole: Size _	124	T.D	76 ft. F	P.B. to	ft. F	Float Equip: Man	ufacturer			
CAPACITY FACTO									Depth	
Casing:		0637	Lin. ft./B	bl. 15.70						
Open Holes:	Bbls/Lin. ft		Lin. ft./B	bl		Centralizers: Qua	ntity	Plugs Top	Btm	
Drill Pipe:	Bbls/Lin. ft		Lin. ft./B	bl		Stage Collars				
Annulus:	Bbls/Lin. ft		Lin. ft./B	bl		Special Equip		and the same of		
	and the second s			bl				Amt. 13-3-		
Perforations: F	rom	ft. to		ft. Amt		Vlud Type			Weight	PPG
COMPANY REPR	ESENTATIVE					CEMENTER _	mene	Qui		
TIME	PRESSU	RES PSI	FLU	IID PUMPED [DATA					
AM/PM	DRILL PIPE	ANNULUS	TOTAL	Pumped Per	RATE			REMARKS		
- ANT/TIVI	CASING	7 11 11 10 200	FLUID	Time Period	Bbls Min.		- 1		1	
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FINAL DISP. PRESS: __ MILLER PRINTERS, INC. - Great Bend, KS

ROBERT T. HOPKINS, L.G., C.P.G. 709 Harold Ave. Salina, Kansas 67401 cell (785) 819-2460

August 13, 2015

Frank Taggart, President NAE, Inc. 317 Sidney Baker St. Kerrville, Texas 78028

NAE, Inc. – *E&C* #2-35 693' *FNL,* 1663' *FWL,* Section 2, T17S, R29W, Lane County, Ks.

Frank:

Attached to this summary letter is my lithologic log for the above-captioned well. Based on the poor oil recovery from the Johnson Zone DST, operator has elected to plug and abandon this test. This well ran approximately flat to Chief Drilling #4 Eaton in shallow zones and somewhat came up structure in the deeper zones. The lack of development of the Johnson Zone contributed to the lack of oil recovery in E&C 2-35.

Note that the log tops measured in this well ran consistently high to the drilling time tops. Although the pipe strap was accurate, the rig crew had trouble with the Geolograph cable.

Significant sample shows and overall quality were as follows (log corrected depths). Slight fleeting odor (only) in samples is not considered significant:

LKC H	4153-4156'	very poor
LKC I	4185-4188'	poor
Altamont Ls.	4364-4370'	fair (mis-run DST #1)
Ft. Scott Ls.	4490-4492'	very poor
Johnson zone	4546-4549'	fair (DST #2)

Following is a log top comparison of your well to the nearby Eaton #4 (NW $\frac{1}{4}$) and Eaton #1 (NE $\frac{1}{4}$) open-hole logs. These wells are located east of the subject well:

LOG TOP COMPARISON:

<u>Formation</u>	NAE E&C2-35 O-H log tops		np to Eaton 4 I log tops	1	to Eaton 1 og tops
Anhydrite	2206(+601)	+1	(+599)	-7	(+608)
Heebner Sh.	3941(-1134)	-0-	(-1134)	-14	(-1120)
LKC "A"	3976(-1169)	-1	(-1168)	-3	(-1166)
"H" Sh. marker	4146(-1339)	-3	(-1336)	-10	(-1329)
Base KC	4316(-1509)	-1	(-1508)	-10	(-1499)
Marmaton Fm.	4339(-1532)	-1	(-1531)	-7	(-1525)
Ft. Scott Ls.	4481(-1674)	-0-	(-1674)	-6	(-1668)
Cherokee Sh.	4504(-1697)	+4	(-1701)	-6	(-1691)
Johnson zone	4546(-1739)	+3	(-1742)	-6	(-1733)
Mississippian	4580(-1773)	-7	(-1766)	-8	(-1765)
RTD 4611'					

If you have any questions, please call me at 785-819-2460. Thank you for this opportunity to serve you!

Sincerely,

Robert T. Hopkins, L.G., C. P. G.

attachments

	L	IT.	HO	LC)Gl	[C]	LO	G			ROBERT HOPKIN ^a consulting geologist
Ope	rator_	0	NA	E ,	I	NC	3	000a page	Location	on	693' FNL, 1665 FWL, 50c. 2-175-29W
Leas	se / W	/ell_	£	= ==			2.	- 35	County	1	ane State K5 scale 1" = 20'
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Operator_	* AJ	AE	-	INC	- (693' FNL 1663 FWL 2-175-29W
Lease / W	ell /	- 9	(2	3	35		County	1_6	<u>aN2</u> State /< 5 scale 1" = 20'
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DRILLIN	<i>≡€ &</i> KB 280	7 (mir	7 (measurable)	DEPTH 4200	County	this she lith graph	### State KS scale 1" = 20' eet - from 4200 to 4380' page 3 of 5 ### DESCRIPTION (lithology, DSTs, mud properties) #### ### ### #######################
GLP	KB <u>280</u> G TIME	<u>7</u> (mir 5 6	(measu	DEPTH 4200	depth t	lith graph	DESCRIPTION (lithology, DSTs, mud properties) qry 344,554., N.S. fan -to 64, N.S., 31. fassiliferous qry 54.
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				-			18 year of Electory (3) 2000 20 miles
/		11	,,	1		1 1	Hustopurfung 4274
265						-	gry-brn Lite 1st, N.S.
	\rightarrow					and a particular security of	7.7 - 3.14
	2			-		- Andrew School	61/2 sh.
Schedule (1979)	The state of the s						\$774 30,
	75	22.04		+	-		gray BuxIN Litz /st., N.S. (Mas VIS 57; wt. 9.3) dla gry sh.
							1,)), sh sdy,
	2						gray fixles /st., Lite, N.S.
				T			gray fuxlu Ist., Lete, N.S.
				-		-browniany	× 10
				4300			
		<u> </u>	,,,	-			66-bon med xla foss. Ist, Lite, N.S.
	5						05-24
				+			
	5			- BILC		11	BKC 4320(-1513)
						Share and provide a second	
	2					erras samarinasas com	Lite 13+, NLS,
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				V	11 - 2	The second secon	- 1ry - bon foss /st., tite, N.S. MUD UIS 58, 11.9:
	\geqslant			. 1		Management of the control of the con	- 1ry - and foss 1st.) The , " Mud vis 56, wt.9:
	5			Marm			_ sh. More morton 43 42(-1535)
				-		Approximation of the second	gry-bry Life 15ty, N.S. Marmorton 4342(-1535) Life 15ty, N.S.
				150		1-7	Jila /s f. N.S.
	5		4/17	1 41		11	
			¥.,	T	D.		4-dk gry sh. Alfamont Ls. 4376
				13,99		and a serie lands	
			13	0	_		11 11 let st. of good Loo it for deliver als
				5.0	þ.		by medal, lst., sl. \$, good free oil; fair string order
		9			1	- Andread Control	
	3			- ^		-	Lite 1st, N.S
			-	T 90		f f	

Operator NAB The Occasion Operator		ROBERT HOPKII consulting geologist			OC	CL	GI	LC	НО	IT	L	
St		693' FNL, 1663 FWL 2-17-29W	ocation			C ,	T N	E	NA	-	rator	Ope
DRILLING TIME (min/ft) 1 2 3 4 5 6 7 8 30 5 6 7 8 30 6 7 8 8 30 7 7 10 8 6 7 8 30 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9												
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### 152 / 1/20 1/20	1			EPTH	DE				-			
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)	wh faxls fite Bt., N.S. Altamont Ls. (u + 1)					Ø			<		
	1201	. opm 7" Docker UNSER -	militariorista company	2/20	(3)	F5 1	<u></u>		=			
		bl-ton for-ment x/n 1st. MIS-RUN		700	Judy-	7		=				
	Fried American Control of Control of Control	1 s1. \$ Ho Lite, N.S.						-	250			
		(v.s/, oil olar)		-				5				
Blk sh., pyrille wh challey lst., sl. p, sl. aid star, tre order, no p ala, tte, w/some gry fiss, chart, N.S. dk gry fossiliterous lst., tito, N.S. dle gry-blk sh.; minor pyrite bf-gry fixth tito (st., N.S. wh chalky lst., sl. p, N.S. which carb sh.; pyritic blk carb sh.; pyritic (-16) down wis 57. wt 9.8 gry limy sh. Charoke: 43/2 -17	patient framework to the patient of		a popularita de la composition della composition									
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Blk sh., pyrille wh challey lst., sl. p, sl. aid star, tre order, no p ala, tte, w/some gry fiss, chart, N.S. dk gry fossiliterous lst., tito, N.S. dle gry-blk sh.; minor pyrite bf-gry fixth tito (st., N.S. wh chalky lst., sl. p, N.S. which carb sh.; pyritic blk carb sh.; pyritic (-16) down wis 57. wt 9.8 gry limy sh. Charoke: 43/2 -17	2'	Pawnez Ls. 4432	and the second s						2			
by lalky 1st, sl, p, sl, and star, tre order, no p ala, tite, w/orme gry fiss, chart, N.S. dk gry fossiliterous 1st., tite, N.S. dk gry fossiliterous 1st., tite, N.S. dle gry-6/k shi, winer pyrite bf-gry fixth tite (st., N.S. wh chalky 1st., sl. p, N.S. blk cars shi, pyrite (-16' 65 Worder to star star star star star star star star		LIK sh privitie	-	_					3			
	n 4 22	End of the standard and		N					and the second			
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## 66- gry finds tite (++, N.S. Wh chalky 1st, sl. \$\phi\$, N.S. Who chalky 1st, sl. \$\phi\$, N.S. Fort Scott Ls. 448 Fill carb sh.; pyritic (-16) Fort Scott Ls. 448 Fort Scott Ls. 4			Annual Control of Cont					3				
500 1000 500 1500 1500 1500 1500 1500 1		dle gry-6/k shi, MINDER PYTITE						The state of the s				
Grovorsh Grovor			Page open page of the page of	ŀ			-	_				
Golowshi		6f-gry Loxlo Lite (++. N.S.	material control of the control of t					7	-<			
## 6//2 carb sh, jpyritic Fort Scott Ls. 448 ### 6//2 carb sh, jpyritic (-16) ### 16//2 carb sh, jpyritic (-16) ###################################		it half to let st. of N.S.	and the second	ŀ	_			>	- Samuel	, and a		
Gratowsh ()		whendry by styll	Land						and the second			
Grainwish ()	-86	111 1. Fort Scott Ls. 448						\leq	<			
Grainwish ()	1679)	ble carb shippyritie (-16		5.							<	
2500 V530 = a/a, fre 54N. [Mys V15 57:wf 9.0] [Ary limy sh. [Charokaz 45/2] [-17]		Elican Purha Lace Let. Lite. N.S.							7	035	201	Can.
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5/1 chenty		silal for all and sold sold cherry	- 100 Bigliothia garage parties.			11	(>	and the same of th		
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6/k pyritic sh.	/	blk pyritic sh.)	24		2000	The second second	46		
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Jz Wh sdy 15t, 121- project 30"-60"- 90"-90	10"	-wh sdy 1st, fair project 30"-60"- 90"-90	The second secon	Tomas and the second	J							
32 = 15+ 4510-60'-Johnson 4510-60'- 70 huson who say list, fair project 30"-60"- 90"-90 (15-9) pool stay, John, Jan, FP: 30-114: 120-182:51P (15-9)	0 80	\$, 700 T star, I day Ep. 30-114.170-182.51P	30			100			_			
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gry sh, tree oil, 70/ofluorsone REC. 2 CO, 120 OSMU)	thee and I als thousand Let.	1/ 50,	Í								

LITHOLOG	IC LOG	ROBERT HOPKIN' consulting geologist
Operator NAE I	Location Location	on 693' FNL, 1663 FWL, 2-17-29W
Lease / Well 🚊 🕯 🖰	2 - 3 5 County	y State / ≤ scale 1" = 20'
GLKB_2307	(measure from *) depth	this sheet - from 4560 to 4611 RTD page 5 of 5
DRILLING TIME (r	min/ft) DEPTH tops	DESCRIPTION (lithology, DSTs, mud properties)
1 2 3 4 5		graph Sir wh vergo 35t, tite, N.S. Mub VIS 54; w+ 9.3 Tell 56.
	90	:: Wh Vfrgr 35t, tite, N.S. (MUS VIS 54; w+ 9.3)
		red 5h.
	AA *	wh tota 35%, N. s.
	Miss	A A ()
		AB 66 lst. w/abyudont gry-wh Mississipo, 4576 AB 66 lst. w/abyudont gry-wh Mississipo, 4576 Cresh chert, fair p, N. 5 (-1769)
		JIN Tresh Carry, tair p, 1
	4600	ats a/a w/less chest, wh /st. N.S.
	7000	A A A A A A A A A A A A A A A A A A A
		<u>0.4</u>
	1611	
	4611	
		MUD VIS 53, Wt. 9,3
	Manufacture and Participal Manufacture and American Association and Association and American Association and American Association and Association and Association and Association and Association an	
1.100		
		4611' RTD; RON Pisneer OH log suite.
		4611 F13, RON PISNOOF ON 193511.
		PÉA
		125 A
		/
		
		!



DRILL STEM TEST REPORT

NAE Inc.

2 17s 29w Lane

317 Sidney Baker S Kerrville TX 78028

E & C 2-35

Job Ticket: 62396

DST#:1

ATTN: Frank Tagert

Test Start: 2015.08.09 @ 23:45:00

GENERAL INFORMATION:

Formation:

Altamont

Deviated:

Whipstock: No

ft (KB)

Time Tool Opened: 02:14:00 Time Test Ended: 05:31:00 Tester:

Test Type: Conventional Bottom Hole (Initial)

Unit No:

Jim Svaty

Reference Elevations:

2814.00 ft (KB) 2801.00 ft (CF)

KB to GR/CF:

76

13.00 ft

Interval: Total Depth: Hole Diameter: 4363.00 ft (KB) To 4399.00 ft (KB) (TVD) 4399.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

Serial #: 8289 Press@RunDepth:

Outside

psig @ 2015.08.09

4367.00 ft (KB) End Date:

2015.08.10

Capacity: Last Calib.: 8000.00 psig

2015.08.10

Start Date: Start Time:

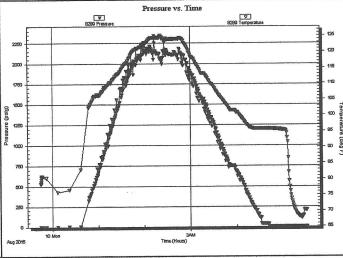
23:45:00

End Time:

05:31:00

Time On Btm: Time Off Btm:

TEST COMMENT: 11-IF- Weak Surface Blow for 6min. Packers Failed......Pulled



		PI	RESSUR	E SUMMARY
. 1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Temper				
Temperature (deg F)				
ŋ				

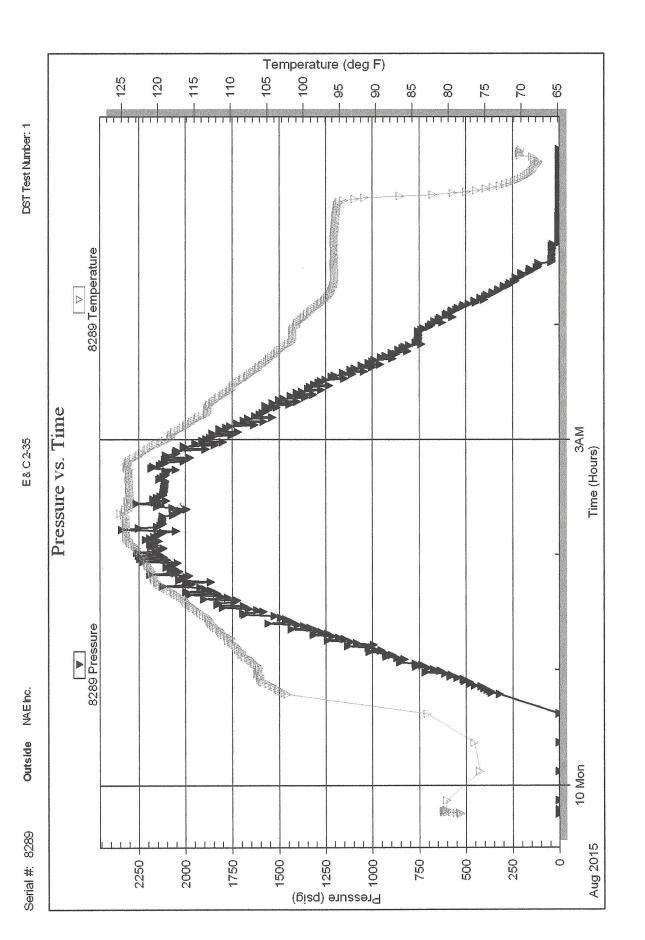
Recovery Description Volume (bbl) Length (ft) 4.41 Mud 100% 434.00

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

Trilobite Testing, Inc.

Ref. No: 62396

Printed: 2015.08.10 @ 05:34:10



62396 Ref. No:

Printed: 2015.08.10 @ 05:34:10



DRIŁL STEM TEST REPORT

NAE Inc.

2 17s 29w Lane

317 Sidney Baker S Kerrville TX 78028

E & C 2-35

Job Ticket: 62397

DST#: 2

ATTN: Frank Tagert

Test Start: 2015.08.10 @ 22:45:00

Jim Svaty

GENERAL INFORMATION:

Formation:

Johnson

Deviated:

No Whipstock:

ft (KB)

Test Type: Tester: Unit No:

Conventional Bottom Hole (Reset)

Time Tool Opened: 01:48:30 Time Test Ended: 08:59:00

4510.00 ft (KB) To 4560.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Interval: Total Depth: Hole Diameter:

4560.00 ft (KB) (TVD)

Reference Bevations:

2814.00 ft (KB)

2801.00 ft (CF)

KB to GR/CF:

76

13.00 ft

Serial #: 8289

Outside

Press@RunDepth:

182.49 psig @

4514.00 ft (KB)

2015.08.11

Capacity:

8000.00 psig

Start Date: Start Time: 2015.08.10 22:45:00 End Date: End Time:

08:59:00

Last Calib .: Time On Btm: 2015.08.11

Time Off Btm:

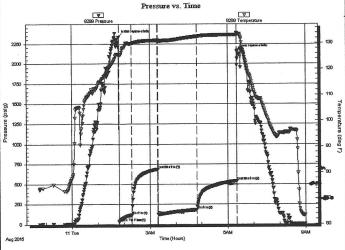
2015.08.11 @ 01:48:15 2015.08.11 @ 06:20:45

TEST COMMENT: 30-IF- Surface Blow Building to 8 1/2in.

60-ISI- Surface Blow Died Back in 6min.

90-FF- Surface Blow in 7min. Building to 8 1/2in.

90-FSI- No Blow



PRESSURE SUMMARY

- 1				
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	10
	0	2333.61	125.76	Initial Hydro-static
	1	30.72	124.98	Open To Flow (1)
	31	114.94	129.86	Shut-In(1)
	90	689.33	131.07	End Shut-In(1)
Thomas	91	120.74	130.78	Open To Flow (2)
1	181	182.49	132.58	Shut-In(2)
r rehi	272	541.50	133.12	End Shut-In(2)
9	273	2154.72	133.59	Final Hydro-static
			2	

Recovery

Length (ft)	Description	Volume (bbl)
184.00	MCW 10%m 90%w	0.90
135.00	Oil Speck WCM 40%w 60%m	1.89
3.00	CO 100%	0.04

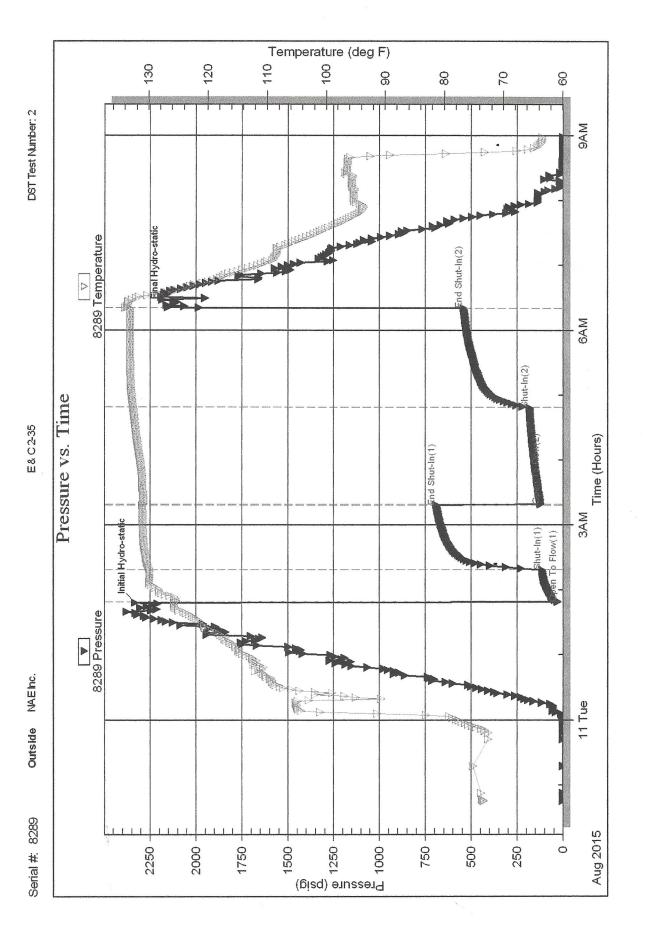
Gas Rates

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

Trilobite Testing, Inc

Ref. No: 62397

Printed: 2015.08.11 @ 09:20:48



62397

Printed: 2015.08.11 @ 09:20:49



COMPENSATED DENSITY NEUTRON LOG

	Company	NAE, INC.		
	Well	E&C #2-35		
	Field	Terwilliger Northwest		
yest	County	Lane	State Kansas	
	Location:	API#:	API#: 15 101 22570	Other Services DIL
E, INC. Williger E, INC.		693' FNL & 1663' FWL	WL	ML
E&i Ter Lar	<i>O</i> 5	SEC 2 TWP 17S RGE	E 29W	Flevation
Company Well Field County	Permanent Datum Log Measured From Drilling Measured From	m Ground Level om KB 11' AGL 1 From KB	Elevation 2796'	K.B. 2807' D.F. 2806' G.L. 2796'
Date		8-11-15		
Run Number	The second secon	One		
Depth Driller		4611'		
Depth Logger		4610'		
Bottom Logged Interval	-	4587		
Top Log Interval		3600'		
Casing Driller		8 5/8" @ 226'		
Casing Logger		226'		
Bit Size		7 7/8"		
Type Fluid in Hole		Chemical		
Density / Viscosity		9.3/54		
pH / Fluid Loss		9.0/8.0		
Source of Sample		Pit		
Rm @ Meas. Temp		1.8@78degf		
Rmf @ Meas. Temp		1.35@78degf		
Rmc @ Meas. Temp		2.16@78degf		
Source of Rmf / Rmc		Calculated		
Rm @ BHT		1.25@112degf	A STATE OF THE STA	
Time Circulation Stopped	ped	5:30 p.m.	And Annual Control Address Add	
Time Logger on Bottom	m	7:45 p.m.		
Maximum Recorded Temperature	emperature	112degf		
Equipment Number		T127		
Location		Hays, KS		
Recorded By		Gus Pfanenstiel		
			The second secon	

<>< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.





GR (GAPI)

Main Pass

NPOR (pu)

Database File

naee&c#2-35oh.db

Dataset Pathname Presentation Format

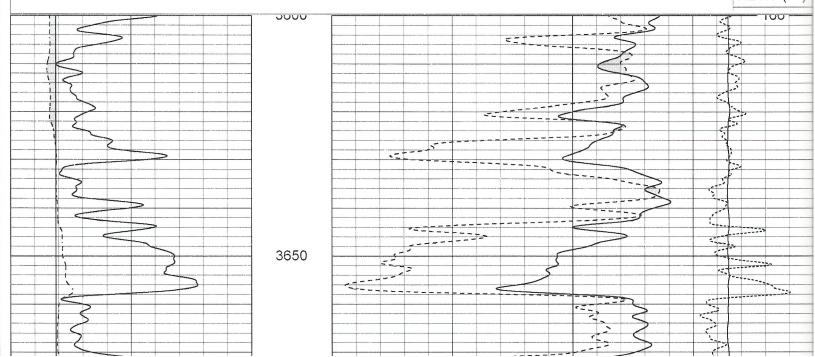
pass2.1 kcdnl

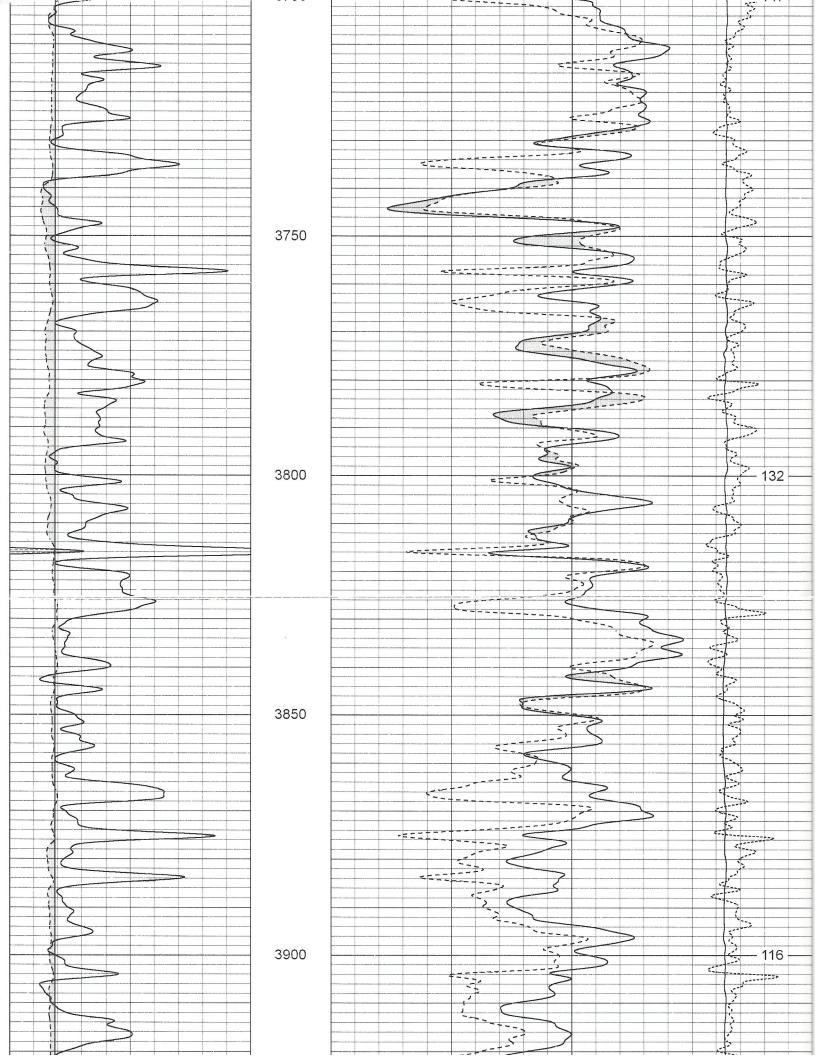
Dataset Creation Charted by Tue Aug 11 20:22:51 2015 Depth in Feet scaled 1:240

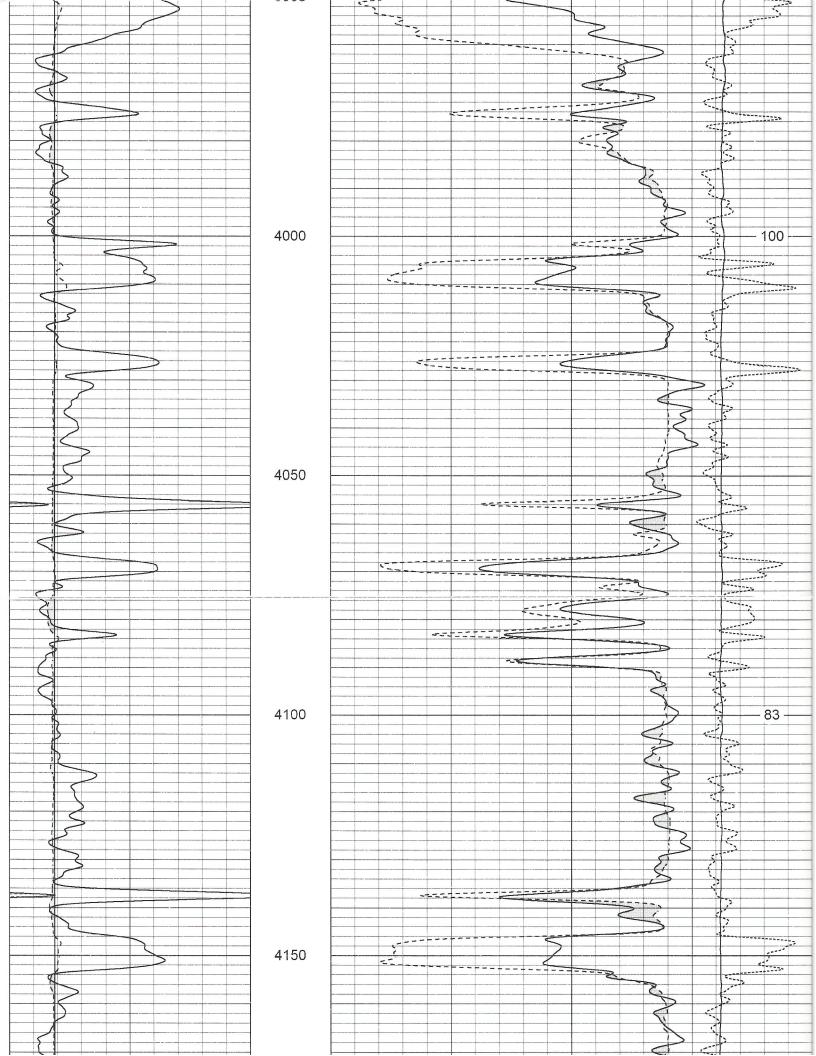
150

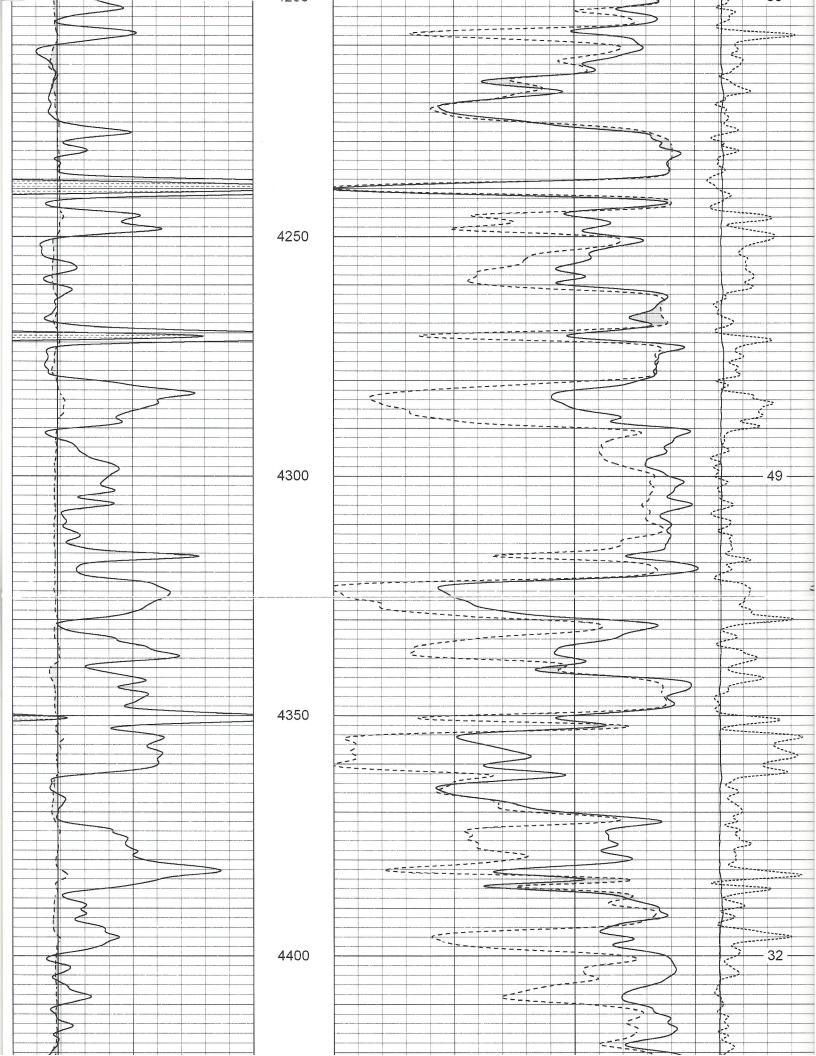
		000000000000000000000000000000000000000				
6	BOREID (in)	16	30	DPOR (pu)		-10
6	DCAL (in)	16	70	DPOR (pu)		30
			8000	LTEN (lb)		0
				-0.25	RHOC (g/cc)	0.25

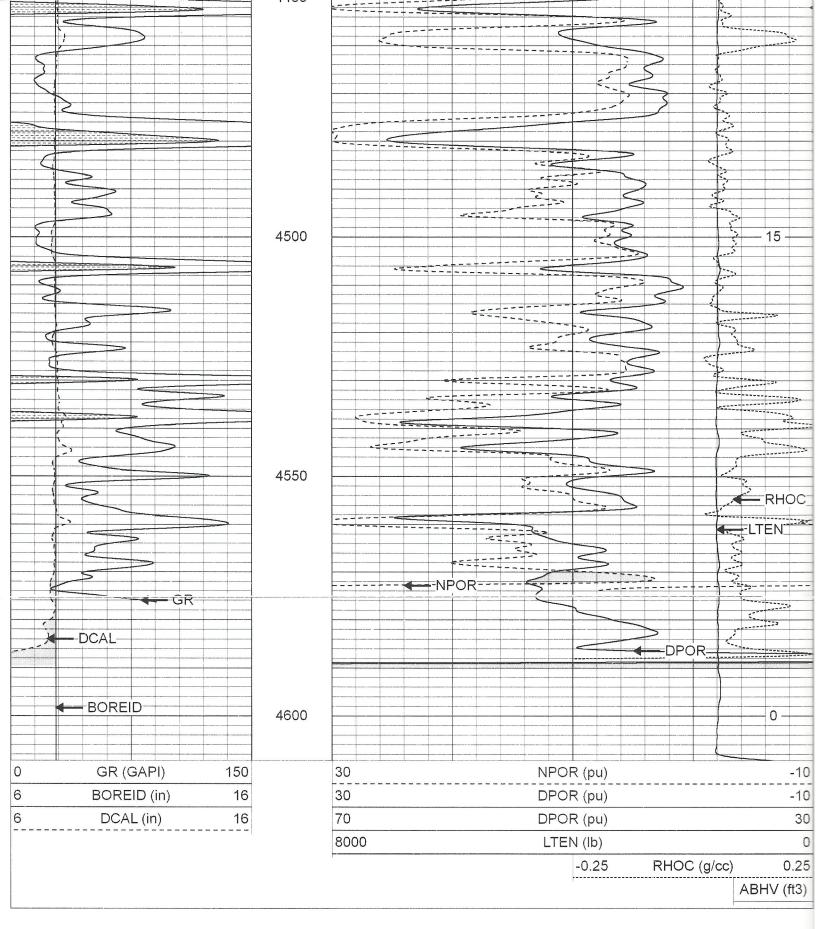
ABHV (ft3)





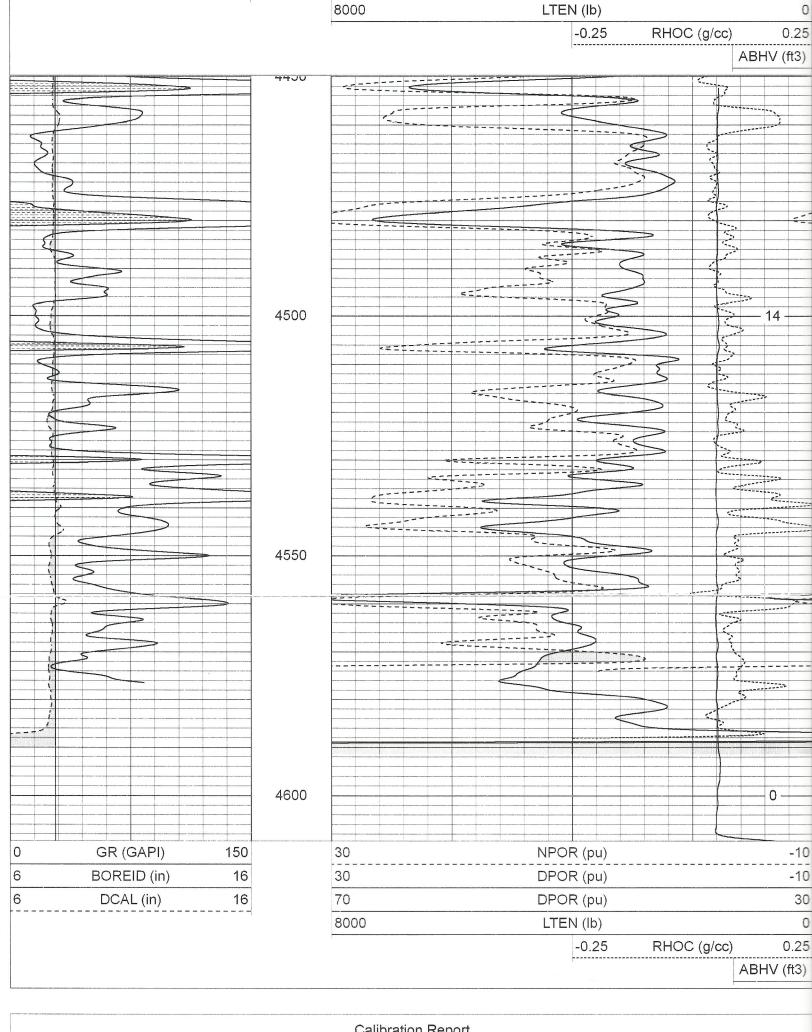






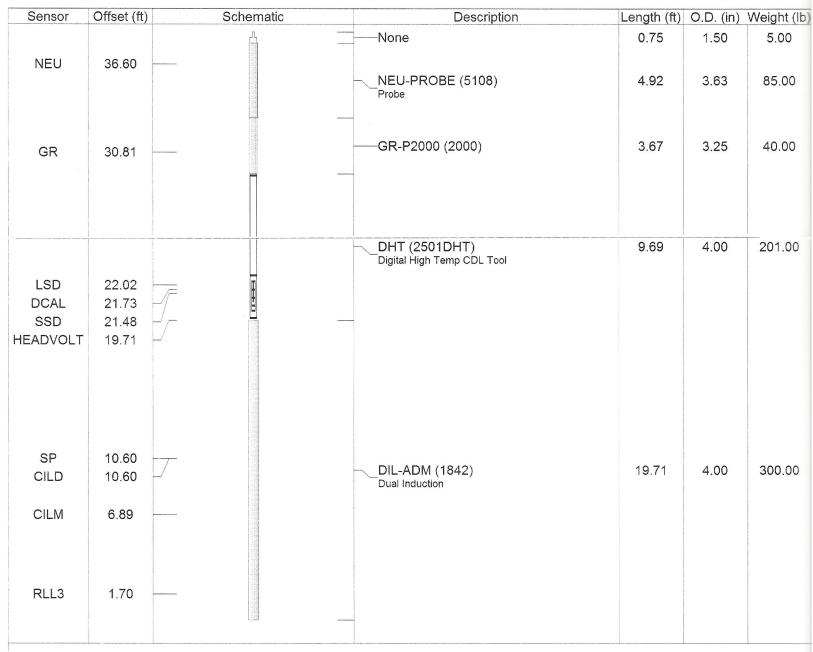


Repeat Pass



		Readings			References		Resul	ts
Loop:	Air	Loop		Air	Loop		m	b
Deep Medium	0.014 0.003	0.660 0.761	V V	0.000 0.000	350.000 400.000	mmho/m mmho/m	541.845 527.924	-7.7 -1.5
Internal:	Zero	Cal		Zero	Cal		m	b
Deep Medium	0.013 0.003	0.663 0.761	V V	0.000	350.000 550.000	mmho/m mmho/m	538.740 726.060	-6.9 -2.2
Downhole Calib	ration							
		Readings			References		Resul	ts
Internal:	Zero	Cal		Zero	Cal		m	b
Deep Medium Shallow	-0.857 0.187 2.543	351.396 400.090 0.024	mmho/m mmho/m V	-0.737 0.077 500.000	351.280 399.987 2.000	mmho/m mmho/m Ohm-m	0.999 1.000 197.760	0.1 -0.1 -3.5
After Survey Ve	rification							Manager Parkers and Albert State of Angelow
		Readings			Targets		Resul	ts
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep Medium Shallow	0.000 0.000 0.000	0.000 0.000 0.000	mmho/m mmho/m Ohm-m	-0.857 0.187 500.000	351.396 400.090 2.000	mmho/m mmho/m Ohm-m	0.999 1.000 1.000	0.1 -0.1 0.0
enement var var 15.4 mar på 16.6 mar för å det år var å til en skille til ekk red storre skal av dertike skill		C	ompensated I	Density Calib	ration Report			
	Source Maste Before		Performed: ication Perfor ation Perform	c F med:	:501DHT-DH :sv-j12 / :ri Aug 07 23:			
Master Calibrat	ion			ACCOUNTS OF THE PARTY OF THE PA				
		Density		F	ar Detector	Near Dete	ctor	
Magnesium Aluminum		1.750 2.660	g/cc g/cc		711.36 133.07	284. 183.		
		Spine Angle	= 75.36		Density/Spine	Ratio = 0.525		
		Size		_	Reading			
Small Ring Large Ring		7.65 14.00	in in		6234.28 10469.70			
Before Survey \	√erification							
		Target		_	Measured			
			g/cc g/cc g/cc			g/cc g/cc g/cc		

Tool Model: Performed:	P2000 Sat Aug 08 0	P2000 Sat Aug 08 00:34:38 2015						
Calibrator Value:	1.0	GAPI						
Background Reading: Calibrator Reading:	0.0 1.0	cps cps						
Sensitivity:	0.2200	GAPI/cps						
	Neutron Calibration Report							
Serial Number:	5108							
Tool Model: Performed:	PROBE	0:05:09 2015						
Tool Model:	PROBE	0:05:09 2015 NAPI						
Tool Model: Performed:	PROBE							
Tool Model: Performed: Calibrator Value:	PROBE	NAPI						



Dataset: Total length: Total weight: naee&c#2-35oh.db: field/well/run1/pass1.2 38.73 ft

631.00 lb



MICRO RESISTIVITY LOG

	company	Company NAE, INC.			
	Well	E&C #2-35			
ш.	Field	Terwilliger Northwest	est		
\circ	County	Lane	State	Kansas	
	Location:	# VADI	API#: 15 101 22570		Other Services CDNL
		693' FNL & 1663' FWL	' FWL		DIL
	S	SEC 2 TWP 17S	RGE 29W		Flevation
4 5 5	Permanent Datum Log Measured From Drilling Measured From	n Ground Level om KB 11' AGL 1 From KB	Elevation	2796'	K.B. 2807' D.F. 2806' G.L. 2796'
		8-11-15			
		Two			
		4611'			Administra Miller W. C.
		4610'			
Bottom Logged Interval		4590			
		3600'			
		8 5/8" @ 226'			
	5	226'			2
		7 7/8"			
		Chemical			
		9.3/54			
		9.0/8.0			
		Pit			
		1.8@/8degr			
		1.35@78degf			
	2	2.16@78degf			
Source of Rmf / Rmc		Calculated			
		1.25@112degf			
Time Circulation Stopped		5:30 p.m.			
Time Logger on Bottom		9:15 p.m.			
Tem	Maximum Recorded Temperature	112degf			
		T127			
		Hays, KS			
		Gus Pfanenstiel			

<>< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments



Main Pass

MN 2" (Ohm-m)

20

Database File
Dataset Pathname

pass4.1

Presentation Format

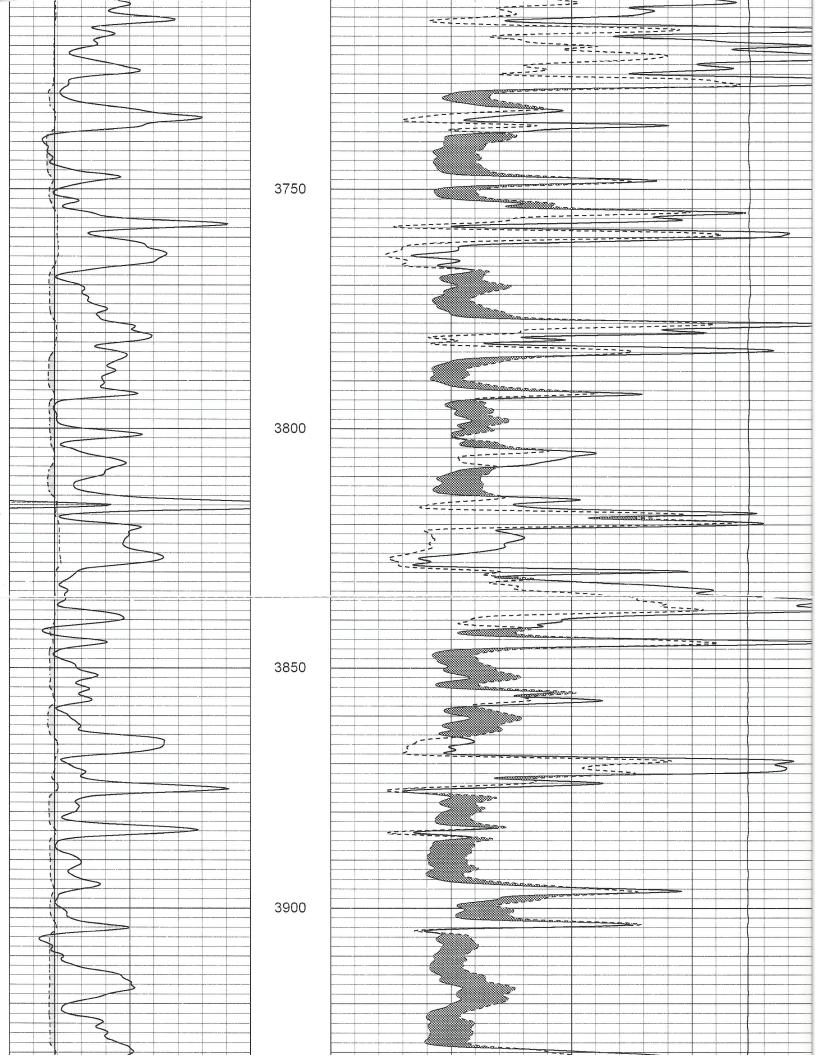
GR (GAPI)

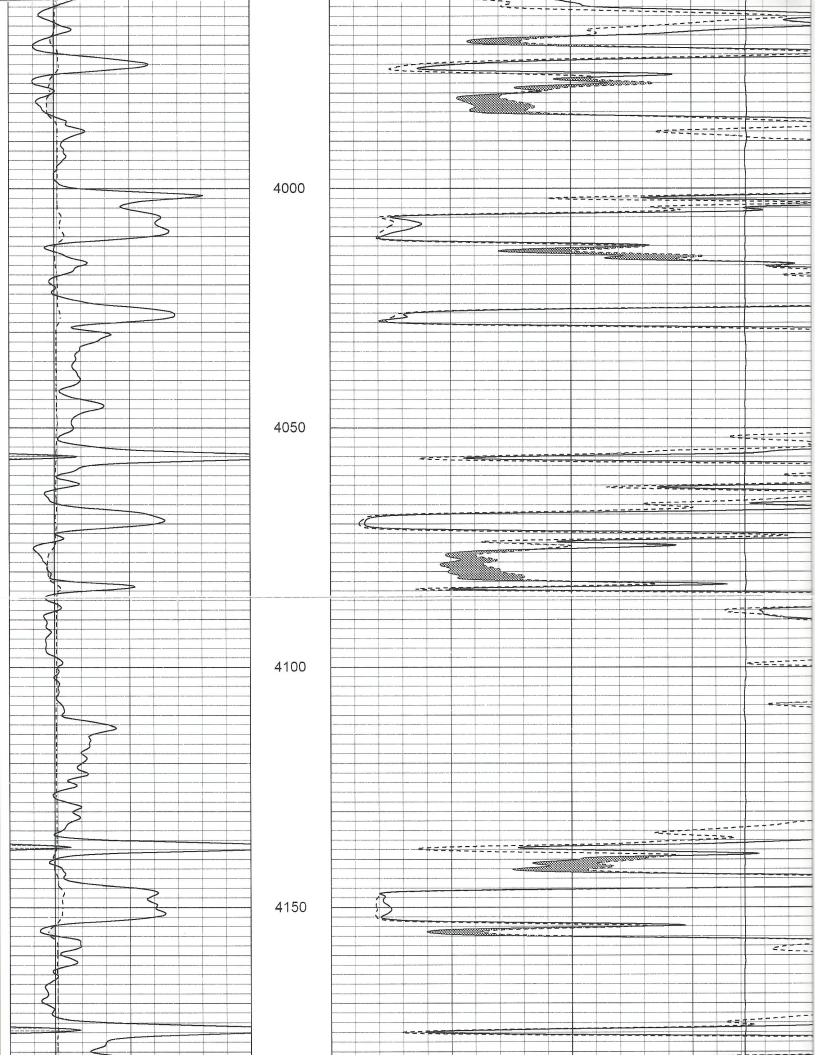
kml

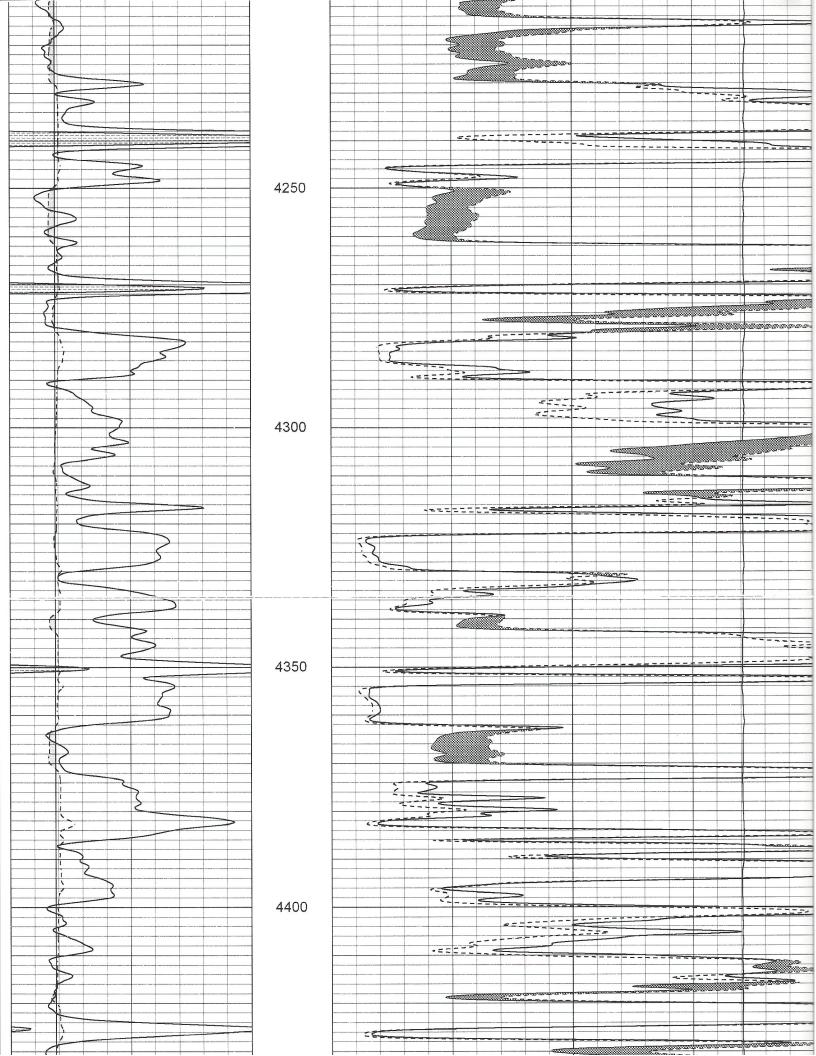
Dataset Creation Charted by Tue Aug 11 21:36:46 2015 Depth in Feet scaled 1:240

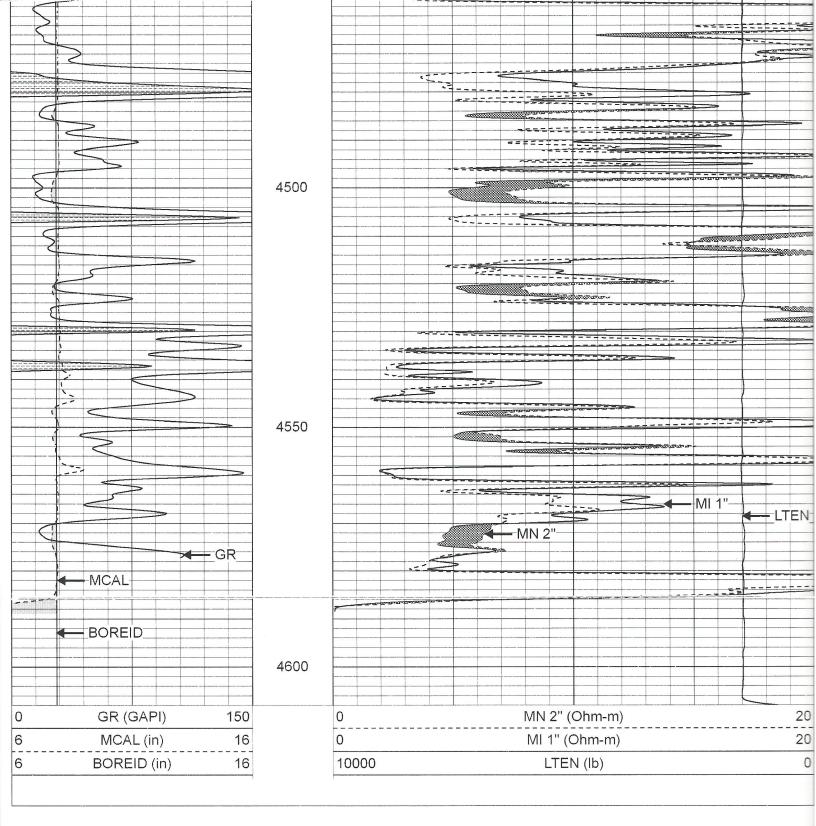
150

			(1)		
6	MĈÁL (în)	16	0 MI 1" (Ohm-m) 20		
6	BOREID (in)	16	10000 LTEN (lb) 0		
		3000	-======================================		
	12				
	1, 1				
	!				
		3650			
	;				
	15				











Repeat Pass

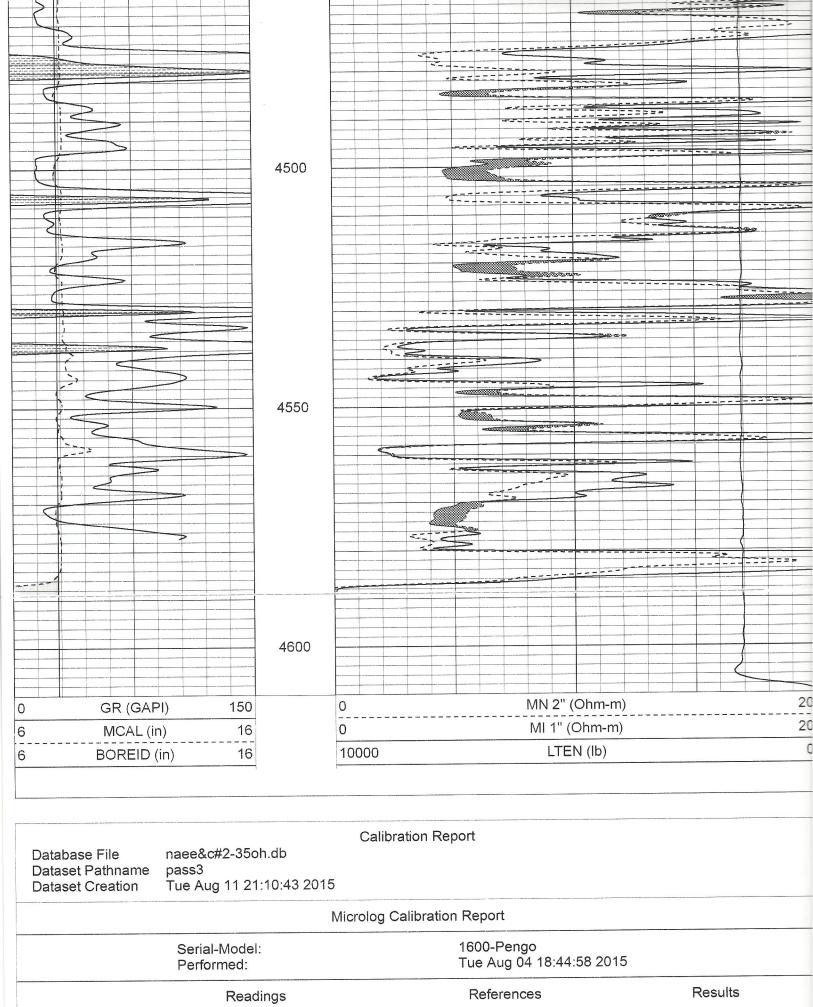
20

Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

naee&c#2-35oh.db pass3 kml

Tue Aug 11 21:10:43 2015 Depth in Feet scaled 1:240

0 GR (GAPI) 150 0 MN 2" (Ohm-m)



Zero Cal Zero Cal m b

Calibrator Value:

1.0

GAPI

Background Reading: Calibrator Reading:

0.0 1.0 cps cps

Sensitivity:

0.2200

GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	28.13	11.00 11.00 11.00 11.00 11.00	GR-P2000 (2000)	3.67	3.25	40.00
MCAL	21.05	BB	ML-Pengo (1600)	6.97	3.50	100.00
MI MN	21.05					
WVF4	13.79		SLT-G (101127)	15.71	3.50	250.00
WVF3	12.79		Sonic			
WVF2 WVF1	9.79 8.79		OHshort Open Hole short centralizer	4.04	3.50	50.00
		Dataset: Total length: Total weight: O.D.:	naee&c#2-35oh.db: field/weli/run1/pass3 30.38 ft 440.00 lb 3.50 in	ı		1

Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



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

Sam Brownback, Governor

Shari Feist Albrecht, Chair Jay Scott Emler, Commissioner Pat Apple, Commissioner

January 19, 2016

Frank Taggart NAE, Inc. 317 SIDNEY BAKER S PMB 137 KERRVILLE, TX 78028

Re: ACO-1 API 15-101-22570-00-00 E&C 2-35 NW/4 Sec.02-17S-29W Lane County, Kansas

Dear Frank Taggart:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 08/05/2015 and the ACO-1 was received on January 18, 2016 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department