

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1059848

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4824			API No. 15 - 15-067-21722-00-00
Name: Pioneer Natural Reso	ources USA, In	C.	Spot Description:
Address 1: 5205 N O CONNOR	BLVD		N2 - N2 - N2 - N2 Sec. 33 Twp. 30 S. R. 36 ☐ East West
Address 2:			200 Feet from ✓ North / ☐ South Line of Section
City: IRVING Sta	te: TX Zip:	75039 + 3707	Feet from ☐ East / ✔ West Line of Section
Contact Person: Virginia Tijerina			Footages Calculated from Nearest Outside Section Corner:
Phone: (972) 444-9001			□ NE ☑NW □ SE □SW
CONTRACTOR: License # 4824			County: Grant
Name: Pioneer Natural Resour			Lease Name:THUROW-TATE Well #: _ATU 1
Wellsite Geologist: Larry Brooks			Field Name: Hugoton
Purchaser:			Producing Formation: Chase/Council Grove
Designate Type of Completion:			Elevation: Ground: 3030 Kelly Bushing: 7
✓ New Well Re-E	intry [Workover	Total Depth: 3095 Plug Back Total Depth:
□ oil □ wsw	SWD	☐ slow	Amount of Surface Pipe Set and Cemented at: 606 Feet
☑ Gas □ D&A	ENHR	SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
☐ OG	☐ gsw	Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)			If Alternate II completion, cement circulated from:
Cathodic Other (Core,	Expl., etc.):		feet depth to: sx cmt
If Workover/Re-entry: Old Well Info	as follows:		· ·
Operator:			Drilling Fluid Management Plan
Well Name:			(Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Tota	al Depth:	Chloride content: 2800 ppm Fluid volume: 3100 bbls
Deepening Re-perf.	_	NHR Conv. to SWD	Dewatering method used: Evaporated
□ o o '	Conv. to C		
Plug Back:	_	васк Іотаї Бертп	Location of fluid disposal if hauled offsite:
			Operator Name:
<u> </u>			Lease Name: License #:
ENHR	Permit #:		QuarterSecTwpS. R 🗌 East 🗌 West
☐ GSW	Permit #:		County: Permit #:
4/21/2011 4/23/201	1	6/7/2011	
Spud Date or Date Reac Recompletion Date	hed TD	Completion Date or Recompletion Date	

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
✓ Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Deanna Garrisor Date: 07/21/2011

Side Two



Operator Name: Pio	neer Natural Res	sources USA, Inc.	Lease	Name: _	THUROW-TA	NTE	Well #:AT	<u>U 1</u>	
Sec. 33 Twp. 30	S. R. 36	☐ East	Count	ty <u>Gran</u>	t				
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shues if gas to surface to	ut-in pressures, wheth est, along with final ch	er shut-in pre	ssure rea	ched static level,	hydrostatic pre	essures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional		Yes V)		og Formatio	n (Top), Depth	and Datum		Sample
Samples Sent to Geo	logical Survey	Yes 🗸 No)	Nam Attach			Top Attached	_	Datum ttached
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy		☐ Yes ☑ No ☑ Yes ☐ No ☑ Yes ☐ No)						
List All E. Logs Run:									
Neutron Log Cement Bond Log									•
			ING RECORD	_	ew Used	ion. etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	We	eight s. / Ft.	Setting Depth	Type of Cement	# Sacks Used		and Percent
Surface	12.25	7.625	24		606	POZ	460		
Production	7.875	5.5	. 17	•	3095	POZ	510		
				· 		<u>.</u>			
	· · · · · · · · · · · · · · · · · · ·	ADDITIC	NAL CEMENT	ring / sql	JEEZE RECORD				
Purpose: —— Perforate —— Protect Casing	Depth Top Bottom	Type of Cement	# Sac	ks Used		Type an	d Percent Additives		
Plug Off Zone	-		-						
Shots Per Foot		ION RECORD - Bridge Footage of Each Interva		.		cture, Shot, Cem mount and Kind of	ent Squeeze Recor Material Used)	d 	Depth
Attached	Attached				Attached				Attached
		-		······					
		/ 10 10 10 10 10 10 10 10 10 10 10 10 10							
TUBING RECORD:	Size:	Set At:	Packer	Át:	Liner Run:	Yes []	No		
Date of First, Resumed 7/15/2011	Production, SWD or EN	NHR. Producing ✓ Flowin		oing 🗀	Gas Lift 0	Other <i>(Explain)</i> —			
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wat	ter B	ibls.	Gas-Oil Ratio		Gravity
DISPOSITI	ON OF GAS:		METHOD (PRODUCTIO	ON INTER	VAL:
Vented Sold	d Used on Lease	Open Hole	Perf.	Duall		mmingled omit ACO-4)			

Form	ACO1 - Well Completion
Operator	Pioneer Natural Resources USA, Inc.
Well Name	THUROW-TATE ATU 1
Doc ID	1059848

Tops

Kame	୍ର ବ୍ୟୁ	Detern
Glorietta	1220	КВ
Wellington	2133	КВ
Hollenberg	2467	КВ
Herington	2494	КВ
Krider	2514	КВ
Towanda	2618	КВ
Ft. Riley	2673	КВ
A1 Lime	2805	КВ
B1 Lime	2859	КВ
B2 Lime	2878	КВ

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Perforations

Shots Per Fool	Perioriton Record	Meterial Record	Depth
3	Chase	Shot & Fractured	2609 - 2650
3	Chase	Shot & Fractured	2661 - 2694
3	Council Grove	Shot & Fractured	2748 - 2752
3	Council Grove	Shot & Fractured	2758 - 2772
3	Council Grove	Shot & Fractured	2792 - 2796
3	Council Grove	Shot & Fractured	2847 - 2861
3	Council Grove	Shot & Fractured	2871 - 2884

CEMENTING TRU	EATMENT	REPORT			157.75	NIT. P.DE				TREATMENT NUM	BER		DATE;				
						NEER				STAGE	02011006		JOB TYP	F.		4/21/2011	
	. 5.7.					MAESOURCES		I			1					Surface	
WELL NAME ANI	Thu	row-Tate AT	υ			Sec. 33 T30S R36W		RIG NAME:	Trin	ridad Drilling			CEMENT	PUMPER:		2304	
FIELD					FORMATIC	ON		WELL DATA	,		ВОТТОМ	ļ	T	FT 1	4O'		FT
		Hugoton				Chase/Council Grove		BIT SIZE	12 1/4	CSG/Litner Stre	8 5/8		-				
COUNTY		C			STATE	AFE	20196	MUD TYPE	610	WEIGHT FOOTAGE	24	 			-		
		Grant				Cansas	20190	BHST		1	606						
RIG FOREMAN					PLINI. Ch			Внст		GRADE THREAD	J-55 1.T&C						
KIO POKISIAN					Phillip Gibson			MUD DENSITY		LESS POOTACE SHOE JOINT(\$)	42						
CEMENT SUPERVI	ISOP				Stan Ówens			MUD VISC		Disp. Capacity	35.8		-		_		TOTAL: 35.8
Camari Surakvi	isok .				oldii Owelk			Include Footage From Ground I	evel To Head in	Disp. Capacity	33.0	·					33.6
CEMENT EMPL	OYEES			Warren	Martin and J.	R. Ortiz		E IYPE				TYPE					
							•	E DEPTH TYPE			Stage Tool	DEPTH TYPE					
SPECIAL INSTRUC	TIONS							DEPTH			Stag	DEPTH					
								Head & Plugs		∐_TBG	D.P						
								Double Box 6		SIZE			ТҮРЕ		·		
								Single	WEIGHT GRADE	· · · · · · · · · · · · · · · · · · ·		TAIL PIPE:	DEPTH		IZE		DEPTH
			-					Swage	THREADS			TUBING VO	LUME		1/25		BBLs
								Knockout	New	✓Used		CSG VOL BE		OL			BBLs
1.1FT PRESSURE		•	230	psi					DEPTH	L		TOTAL					BBLs
PRESSURE LIMIT	Γ	. 1	000	psi	BUMP PLA		1300	CEMENT TEMPERATURE		68		ANNULAR V					BBLs
					NO. of Cent		5	WATER QUALITY:			pH	325		sg			TEMP 70
TTME 0001 to 2400	PRES 1BG	SURE CSG	INCR	PUMPED CUM	JOB SCHE TIME:	DULED FOR 20:00 DATE:	4/21/2011	ARRIVE ON LOCATION TIME: 17:00	DATE:	4/21/2011	RIG UP TIME:	21:00	DATE:		ÆFT LO TIME:	0:00	DATE 4/22/2011
					RATE	FLUID TYPE	DENSITY										
21:00				1							Pre job	safety mee	ting.				
				I													
22:17		500	2	1	0.5	H20	8.3				Test Pu	ımps and L	ines.				
				-								7		,			
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22:19		40	3		3	H20	8.3			Pum	p H20 till	circulation	establi	ished.			
j						,											
22:22		90	100		3	CMT	15			_ N	1ix and pu	mp CMT (2) 15 pp	og.			
,																	
																	1101
22:54								1			Slow down	and drop	top plu	۵.		•	
														J			
										-							·
22.56		220	20		١,	1120	0.7				Danne	diamlaaam					
22:56		230	30	-	3	H20	8.3				Pump	displacem	ent.				
				}													
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23:09		1300	5.8		2	H20	8.3			Bump	plug and c	heck floats	. (Hel	d O.K.)		L	
				1	İ												
							_										
										*		•					
	L	<u> </u>	<u> </u>			<u></u>		Call C	Outs 10	Bbls/70Psi.	20 Bbls/1	30 Psi	30 B	bls./ 220 P	si.	Final 1300 P	si.
	L.		L	L		L		<u> </u>									
						· .											<u></u>
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			ľ							Pum	ned 35 bbls	s good cem	ent to t	he nit.			
			<u> </u>	1	—	·											
		<u> </u>	l '	<u> </u>				1							-		
23:55											Post in	safety me	etino				
	No.of	Yield	l	Ь	<u> </u>	<u> </u>		COMPOSITION OF SYS	ТЕМ		1 031 JUL	. January IIIC		E		SLURRY	
System Used	Sacks	ft³/sk	ļ										·			BBLS	DENSITY
	<u> </u>																
Surface Set	460	1.23	L			····		Surface Set								100	15 ppg.
-			<u> </u>														
	T						· ·								_		
CINCIA ICACA	<u> </u>	/ec	No	WASHED CA	CINC POT	r _N □Yes	□No		-	BREAKDOWN		-	PSI	FINAL		1300	PSI
CIRCULATION	۱۳۱۸	<u> </u>	1 110	IWASHED CA	DIVE DOM	RE	TURNED TO	SURFACE		BEFORE PLUG BUM	P				_		
DISPLACEMENT	VOI.		35	BBLS	1		5 Bbls.			PRESSURE		20	PSI	RATE:			ВРМ

CEMENTING 18	BAINENI	KF,PUKT (F	AGE, 2)		PIO	NEE	RI				TREATMENT NOM	DER		·						
					NATURA	NEE	ES				STAGE	1		JOB TYPE		Surface				
WELL NAME AN	D NO.				LOCATIO				RIG NAME:					CEMENT PUMP:	Surface FUMP: 2305 SUPERVISOR: Stan Owens LEFT LOCATION TIME: DATE:					
FIELD					FORMATI	ON			RIG FOREMAN:	Pioneer Natu	ral Resources Rig # 3			CEMENT SUPERVISOR:						
COUNTY	Hu	goton-Panon	ua ,		STATE		API NO.		ARRIVE ON LOCATION			RIG UP		Stan Owens LEFT LOCATION						
	nore-	Stevens	VOLUME PU	ADED	I POR COUR	DULED FOR			ARRIVE ON LOCATION TIME:	DATE:		RIG UP TIME:		DATE: DATE:						
TIME: 0001 to 2400	PRES TBG	CSG	INC	CUM	TIME:	DULED FOR	DATE:					c	OMMENT							
		 -	<u> </u>		RATE	FLUIDT	YPE	DENSITY										_		
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CEMENTING TRI	EATMENTI	REPORT			PIC	NEE	R			*	TREATMENT NUM	D2011007		DATE		4/24	1/2011		
							ČES				STAGE	1		JOB TY		Long	String		
WELL NAME AN		row-Tate AT	υ		1	N (LEGAL) Sec. 33 T30	S, R36W		RIG NAME:	Tri	mdad Drilling			CEMEN	T PUMPER:	2	304		
FIELD					FORMATIO	ON Chase/Coun			WELL DATA BIT SIZE	7 7/8	CSG/Liner Size	5 1/2	-		FT TO	OP		FT	
COUNTY		Hugoton			STATE	Clase/Colla	AFE		TOTAL DEPTH	3095	WEIGHT	17							
		Grant				Kansas	20196		MUD TYPE		FOOTAGE	3089							
									BHST		GRADE	J-55							
RIG FOREMAN					Phillip Gibson	1			Внст		THREAD LESS FOOTAGE SHOE JOINT(8)	LT&C	 						
CEMENT SUPERV	ISOR				Stan Owens				MUD VISC	+	Disp. Capacity	70.6	 		 			70.6	
									Include Footage From Ground	Level To Head 1	n Disp. Capacity	70.0						70.0	
CEMENT EMP	LOYEES			Nick Ricchuit	i,Bruce Green	and J.R. Ortiz			TYPE DEPTH			- 2	TYPE DEPTH	 			<u></u>		
		·							g TYPE			tage Tool	TYPE						
SPECIAL INSTRUC	CHONS								DEPTH Head & Phys	1 	Шπвс	∐D,P.	DEPTH	<u> </u>	<u> </u>				
										ļ	SIZE		1001	TYPE					
									Double Box 6	WEIGHT GRADE	<u> </u>		TAIL PIPE:	DEPTH		IZE		DEPTH	
									Swage	THREADS			TUBING VO			T.		BBLs	
						<u></u>			Knockout	New	Used		CSG VOL B		00r			BBLs	
1.IFT PRESSURE			1200	ps			1			DEPTH	1		TOTAL.					BBLs	
PRESSURE LIMIT	г		1400	l ps	NO. of Cent		2000		CEMENT TEMPERATUR WATER QUALITY:	E:		pH	ANNULAR S		sc	<u></u>		BBLs TEMP	58
TIME	PRES	SURE	VOLUMI	PUMPED		DULED FOR			ARRIVE ON LOCATION			RIG UP			L	EFT LOCAT	ION		
0001 to 2400	TBG	CSG	INCR	CUM	TIME:	20:00 FLUID T		3/2011 NSITY	TIME: 18:00	DATE:	4/23/2011	TIME:	23:00	DATE:	4/23/2011 1	ПМЕ:	1:30	DATE	4/24/2011
		i		<u> </u>	KAIE	71.0001	175 105	NSIII											
23:00		İ					1					Pre job	safety me	eting.					
										-						· · · · · ·			
23:31		2000	2	İ	0.5	H20)] .:	8.3				Test P	umps and	Lines.					
23:33		120	5		3	H20	<u> </u>	8.3			Pum	p H20 till	circulatio	n estab	lished.				
					.														
					l														
23:37		220	110	 	3	CM:	T 1	2.5			Mix a	and pump	lead ceme	nt @ 12	2.5 ppg.		•		
,																			
					<u> </u>														
0.16		340	4.		١, ١		"	1.5			N4:-			(a) 1	5a				
0:15		340	46	1	3	CM ²	!	15			MIX	and pum	p tail ceme	int (a) 1.	o ppg.				
			 	i															
0:28					1	1					Shu	t down and	d wash pur	nps and	l lines.				
													*						
		Ì .		l															
0:29												Dr	op top plu	g.					
0:30		1200	60	ļ	4	KC	1	8.3			Pui	mp displac	ement with	h KCl v	water.				
							_		·										
0:45	_	1400	10.6		2	H20	<u> </u>	8.3			.	Slow ra	ate to burn	p plug.					
					1														
	 		 	 	 	-			-										
0:48		3000			1		i				Ruma	plug and o	check float	s, (Hel	d O.K.)				
0.70		2000	 	Ì	t	<u> </u>					2			. ,	/				
							1		l	Circulate	d cement @ 65 b	bls displac	ement pun	nped. (2 bbls good	d cement	to pit.)		
					[
			L .	<u>L</u> .	<u>'</u>														
						_													
1:00	1 20 2	1 1/2-14	<u> </u>	<u> </u>	<u> </u>	1		******	COMPOSITION OF SY	STEM		Post jo	b safety m	eeting.			SLIBBY	MIXED	
Water Requirement	No.of Sacks	Yield ft'/sk							COMPOSITION OF SY	- I EAST						BBI		DI	ENSITY
10.21	300	2.06							SDC							110	0 _		12.5
4.97	210	1,23							Surface Set							46		<u> </u>	15
																		ļ.	
CIRCULATION	⊘	res 🗆]No	WASHED C	ASING DOW	n	□Yes	□No			BREAKDOWN			PSI	FINAL		3000	. 1	PSI
DISPLACEMENT	. VOL		70.6	BBLS		_	RETUR:		SURFACE BBLS		PRESSURE		1200	PS1	RATE		2	врм	

					PIC) NEE	RI											
			,		NATUR/	NEE	ES				STAGE	1 Surface						
WELL NAME AN	D NO.					N (LEGAL)			RIG NAME;				CEMENT PUMP:	2305				
FIELD					FORMATI	ION		-	RIG FOREMAN:	Pioneer Natur	al Resources Rig # 3		CEMENT SUPERVI					
COUNTY	Hu	golon-Panor	na .		STATE		API NO.		ARRIVE ON LOCATION			RIG UP	1					
		Stevens	· · · · · · · · · · · · · · · · · · ·			Kansas			ARRIVE ON LOCATION TIME:	DATE:		RIG UP TIME:	DATE:	LEFT LOCATION TIME:	DATE:			
TIME 0001 to 2400	TBG	SSURE: CSG	VOLUME PU	CUM	TIME:	DULED FOR	DATE:		ļ			COMMENT						
L		_	<u> </u>	ı	RATE	FLUID T	YPE	DENSITY				 						
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