KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5249	API No. 15 - 093-21685-0000
Name: Osborn Heirs Company	County: Kearny .
Address: P. O. Box 17968	NE Sec. 11 Twp. 21 S. R. 38 East West
City/State/Zip: San Antonio, Tx 78217	1320 feet from S IN (circle one) Line of Section
Purchaser: well connection to Duke Energy	feet from E / W (circle one) Line of Section
Operator Contact Person: Nancy A. FitzSimon	Footages Calculated from Nearest Outside Section Corner:
Phone: (210_) 826-0700 ext 223	(circle one) NE SE NW SW
Contractor: Name: Cheyenne Drilling	Lease Name: David Well #: 1B
License: 5382	Field Name:Hugoton
Wellsite Geologist: na	Producing Formation: Chase
Designate Type of Completion:	Elevation: Ground: 3377 ft Kelly Bushing: 3384 ft
New Well Re-Entry Workover	Total Depth: 2977 ft Plug Back Total Depth: 2927 ft
OilSWDTemp. Abd.	Amount of Surface Pipe Set and Cemented atFeet
V COO ENUB SIGN RECEI	₩Wuttinle Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc) CORPORATIO	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 224
	20 sx cmt.
Well Name:	0.01 7 1100 .1.
Original Comp. Date: Original Total Depth SERVATION	Drilling Fluid Management Plan
Deepening Re-perf Conv. to Enhr./SWD	DIVIDITION TO THE PROPERTY OF
Plug Back Plug Back Total Depth	
Commingled Docket No	Donatomig mounts asso
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No.	Operator Name:
,	Lease Name: License No.:
9/24/2001 9/26/2001 11/25/2001 Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 1 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING. Submit CP-111 form with all temporarily abandoned wells.
herein are complete and correct to the best of my knowledge.	
Signature: Nanay a. Lissmin	KCC Office Use ONLY
Title: Engineering Manager Date: 2/21/02	Letter of Confidentiality Attached
Subscribed and sworn to before me this 2/st day of Tibruary	If Denied, Yes Date:
15 2002	Wireline Log Received
	Geologist Report Received
Notary Public: Mary Gueros	UIC Distribution
Date Commission Expires: MARY J. CASTORENO Notary Public, State of Texas My Commission Expires	

September 23, 2004

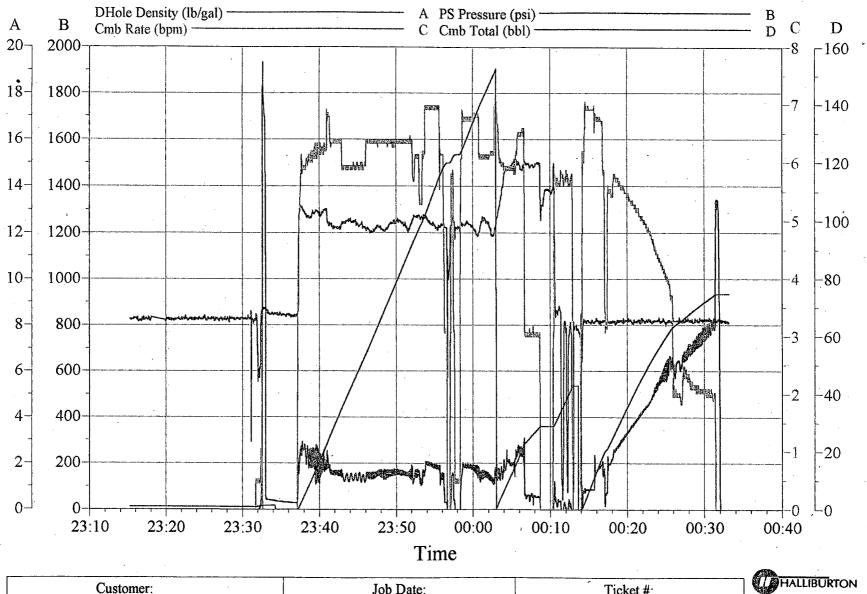
ORIGINAL

perator Name: 3Os	sborn Heirs Com	pany	Lease N	lame:	David		Well #:	10	
	s. r. <u>38</u>	☐ East	County:	Kea	arny	·			
STRUCTIONS: Sho	and closed, flowing very, and flow rates	d base of formations po and shut-in pressures, if gas to surface test, a lal geological well site r	wnether shu long with fir						
ill Stem Tests Taken		Yes No		✓ Lo	g Formation	n (Top), Depth ai	nd Datum	Sample	
(Attach Additional Si				Name			Тор	Datum	
mples Sent to Geok	ogical Survey	Yes No		Kride	r r		2634 ft	+750	
ores Taken		☐ Yes ☑ No ☑ Yes ☐ No		Winfi	old		2678 ft	+706	
ectric Log Run (Submit Copy)								+618	
st All E. Logs Run:		•		Fort	Riley				
.,	itron, litho-densit amma ray, micro	ty, spectral gamma blog	ray.	Cour	ncil Grove		2864 ft	+520	
			RECORD	Ne		ion etc			
	Size Hole	Report all strings set-	Weig		Setting	Type of	# Sacks	Type and Percent Additives	
Purpose of String	Drilled	Set (In O.D.)	Lbs. /		Depth	Cement	Used	2% CaCl2	
surface	12-1/4"	8-5/8"	23.00#/ft		224.45 ft	premium	240		
production	7-7/8"	5-1/2"	14.0	0#/ft	2977.14 ft	premium	560	1/4 pps flocele	
·									
		ADDITIONA	L CEMENTI	NG / SQL	JEEZE RECORD		Percent Additive		
Purpose: Perforate	Depth Top Bottom	Type of Cement	#Sacks	Used		s			
Protect Casing Plug Back TD						<u> </u>			
Plug Off Zone									
	DEDEORATI	ON RECORD - Bridge Plo	ugs Set/Type		Acid, Fra	cture, Shot, Cemer mount and Kind of M	nt Squeeze Rec	ord	
Shots Per Foot	Specify	Footage of Each Interval P	erforated		Depth				
4	Krider 2634'-2	640' (6 ft, 24 total h	oles)						
4	Winfield 2680'	-2690 (10 ft, 40 tota	al holes)_	-					
4		'-2722' (4 ft, 16 tota				:			
		-2730' (2 ft, 8 total							
4	I UWAIIUA Z1ZO	-2100 (2 it, 0 total							
TUBING RECORD	Size 2-3/8'	Set At 2781'	Packer	At	Liner Run	☐ Yes ☑ N	0		
Date of First, Resumed	Production, SWD or E 30/2001	nhr. Producing Me	ethod	Flowin	ng Pump	ing Gas t	_ift	ther (Explain)	
Estimated Production Per 24 Hours	Oil O	Bbls. Gas	Mcf D	Wa	ter 1	Bbls.	Gas-Oil Ratio	Gravity	
Disposition of Gas		COMPLETION			Production Inte	erval			
Vented Sold	Used on Lease	Open Ho	_	rf. 📋	Dually Comp.	Commingled			

HALLIBURTON	OB SUMN	IARY			MBER 6695		09/26/01	
REGION NORTH AMERICA LAND	USA_	<u>-</u>		BDA / STATE KS		KERNEY	\sim LV	٨١
MBU1D7EMPL# MCLI 0113/212723	HES EMPLOYEE NAME JERRAKO EVA	NS		PSL DEPARTMENT Cementin	ng Servic		עווט	AL
LOCATION	OSBORNE HEI			CUSTOMER REP /	PHONE	CHARD GEI	ER	
TICKET AMOUNT \$16,492.90	WELL TYPE OIL		· · · · · · · · · · · · · · · · · · ·	API/UWI #		<u> </u>		
WELL LOCATION	DEPARTMENT			SAP BOMB NUMB		scription	-1: 0	·
LAKIN LEASE NAME [Well No.		C.S.			OSEST TO WELL	ement Produ	iction Ca	asing
DAVID 1-B	11-21S-38W			LIBERAL				
HES EMP NAME / EMP # / (EXPOSURE HOURS) HRS 1.0 Ha	aRPER, K 241985	HRS			HRS	<u> </u>		HRS
Clemens, A - 198516	211 Lit, 11 241000							
C DUXBURY 240187 1.0								
Lopez, J - 198514 1.0 He.s. UNT#5/(R/T MILES) R/T MILES		R/TMILE	s		R/T MILE	 s		R/TMILE
421269 150		:						1
10251403 150 10244148-6610 75			<u> </u>			ļ	· · · · · · · · · · · · · · · · · · ·	
52938-75819 75			1					i
Form. Name Type:		100	Jind Out	IOn Locativ	n II.	h Stadad	· Hob C	ampleted
Form. Thickness From Set A		Date Ca	lled Out 09/26/2001	On Location 09/26/2		ob Started 09/26/2001	09/	ompleted 27/2001
Bottom Hole Temp. Press	ure Depth	Time	1330	1700		2330	or	30
Tools and Accessorie	es *			Well C				
Type and Size Qty Float Collar 1	Make HES	Casing	New/Used N	Weight 15.5	Size Grad 5 1/2	e From	<u>To</u> 2,965	Max. Allow
Float Shoe		Liner					,	
Centralizers 3 Top Plug 1		Liner Tubing				 	 	
HEAD 1		Drill Pipe						
SCRACHERS 14 Weld-A 1		Open Hole Perforation						Shots/Ft.
Guide Shoe 1		Perforation						
BTM PLUG Materials		Perforation	ns Location	∝Onerating	Hours &	- Descripti	ion of lob	
Mud Type Density	Lb/Gal	Date_	Hours	Date 9/26	Hours 1.0	SEE JOB		
Disp. Fluid Density Prop. Type Size	Lb/Gal	9/26	7.0	3/20	1.0	SEE JUB	LOG	
Prop. Type Size Size Gal.	_Lb					(1)(1)	m+ +0 ,	~ -
Acid Type Gal.	%		;sli				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , ,
Surfactant Gal. NE Agent Gal.	In	-				 		
Fluid Loss Gal/Lb	ln							
Gelling Agent Gal/Lb Fric. Red. Gal/Lb	_ln					<u></u>		
Breaker Gal/Lb	In	Total	7.0	Total	1.0			
Perfpac Balls Qty.	0			Hydraulic	Horsepov	ver		
Other		Ordered		Avail. Average	Rates in R	Used		
Other		Treating		Disp.		Overall	•	
OtherOther		Feet 34		Cemen Reason	t.Left in Pip		JOINT	
			OFPORATION nt Data		• •			
Stage Sacks Cement Bulk/Sks		Ceme Additives	nt Data			W/Rq.	Yield	Lbs/Gal
1 450 HLCC BULK	1/8 # POLY FLAKE		FEB 2 5 20	nco		11.28	2.02	12.30
2 110 PP BULK	1% CC, 1/8 # POLL`	Y FLAKE	ILDEJA) V i		6.25	1.33	14.8
		CONIC	District	VEW REP 172 171 2				
	L		<u>EKVALIUN I</u> arv		e de la Marie de la Carte			San Section
Circulating Displa	cement	Conni	Preflush:	BBI	Color of the second of the second of	Type:		A SECTION OF THE PARTY.
Breakdown MAXII	Apply action		Load & Bkdn:	Gal - BBI		Pad:BbT-	-Gal	
14 *** **	Gradient		Treatment:	Gal - BBI		Disp:Bbl		70
Shut In: Instant 5 Min.			Cement Slurn	/ BBI		LC 162	TC 26	
		415 (12 M	Total Volume		70.00	Taking taking	V 15 (5 (5 (7)	
THE INFORMATION STATED H		,.,.,,		and the second second second second second second		A STATE OF THE PARTY OF THE PAR		- manager of the last right range point.
CUSTOMER REPRESENTATIV	*			NA. LYUSE				

	<u>5</u> :				-				TICKET#	TICKET DATE			
HAL	LIBURTO	DN		INWA/CO		LOG			1536695	09/26/01			
NORTH A	VIERICA	LAND		USA				····	KS	KERNEY			
MBUID/EMPL# MCLI 0113					RAKO	EVANS			PSL DEPARTMENT Cementing Ser	vices			
LOCATION				COMPAN	Y		LEIDO		Cementing Ser				
LAKIN TICKET AMOUNT				WELL TY		SBORNE	_	-	API/UWI #	ICHARD GEIER			
\$16,492.9 WELL LOCATION	0			DEPARTIV	MENT	OII	-		JOB PURPOSE CODE	,			
LAKIN	,			ZI				nt Production Casing					
DAVID		Well	No. I-B	11-2	P/RNG 15-38	VV			WELL \$				
	EMP NAME/EMP # (EXPOSURE HOURS) HRS HES EMP NAME/EMP # (EXPOSU						ME/EMP # (EXPOSU	REHOURS) H	RS HES EMP NAME/EMP # (EXPOSURE HOURS) HRS				
EVANS, J -			<u> </u>	HaRPER	k, K 24	41985	1						
Clemens, A			`+	· · · · · · · · · · · · · · · · · · ·				-,		- 			
Lopez, J - 1		<u> </u>	+					···········					
237.5					in the second								
Chart	Time	Rate		Volume	Rate	Press	.(PSI)		Job D	escription / Remarks			
No.		(BPM)	(1	BBL)(GAL)	#∡N2	CSG	Tbg						
	1700		\perp		<u> </u>				N LOCATION				
	1715		4						E- JOB SAFTEY ME	EETING			
	1730		+					SPOT EQ	JIP				
	2000		\dashv					START F.					
<u> </u>	2230		\dashv		<u>. </u>				C CIR W/ RIG				
	2330		十			1900		PRESSUR	· · · · · · · · · · · · · · · · · · ·				
	2335	6.0		162.0				START LEAD					
	0005	6.0	\perp	26.0			-	START TAIL					
	0010		4					WASH UP		·			
	0011		-	70.0					ROP PLUG				
	0015 0025	6.0	+	70.0 50.0			·	START DISP CAUGHT CEMENT					
	0028	2.0		60.0		ļ	,	SLOW RA					
	0030	2.0	+	70.0		1300		LAND PLU					
								CICC	cut to pit				
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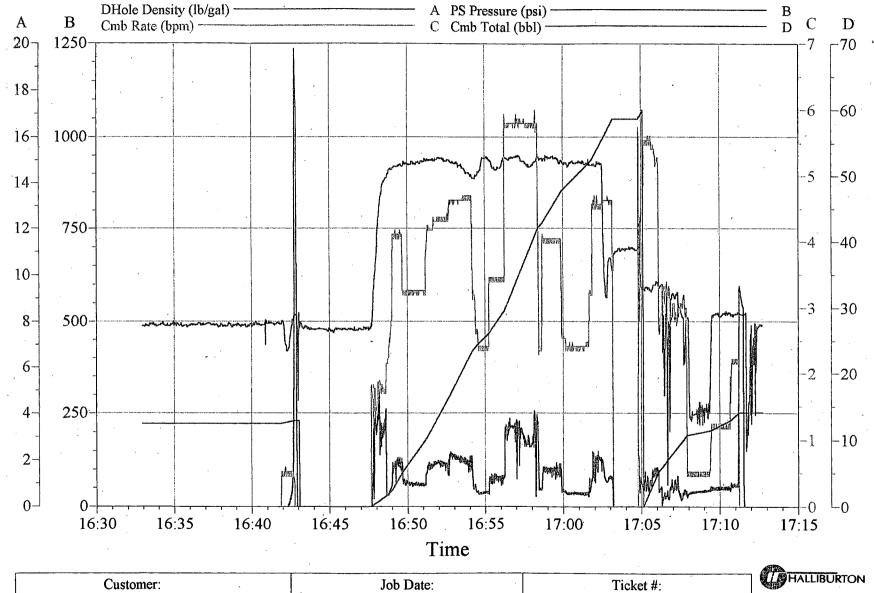
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Customer: Job Date: Ticket #:
Well Description: UWI:

HALLIBURTON	J	OB SUMM	AR'	Y		1531		TIORET DATE	09/24/0	1		
REGION NORTH AMERICA LAND		NWA/COUNTRY USA				BDA / STATE KS		KEARN	4			
MBUID/EMPL# MCLI 0113 212723		HES EMPLOYEE NAME JERRAKO EVA	NS			PSL DEPARTMENT Cementin	g Service	s UR	IGIN			
LOCATION LAKIN, KS		OSBORN HEIR				CUSTOMER REP / PHONE RICHARD GUIR						
TICKET AMOUNT		WELL TYPE OIL				APILIMI #						
\$9,563.02		DEPARTMENT				SAP BOMB NUMBE		cription	food Coo			
LAKIN, KS LEASE NAME	Well No.	SEC / TWP / RNG	MENT			7521 HES FACILITY (CLO	DSEST TO WELL S	ment Sui	face Casi	ng		
[DAVID	1-B	11-21S38W		·		LIBERAL				HRS		
HES EMP NAME / EMP # / (EXPOSURE HOURS) EVANS, J 212723	HRS 0.5			HRS	 		HRS	T		- CART		
Clemens, A 198516	0.5				*							
Schawo, N 222552	0.5			-								
H.E.S. UNIT#S/(R/TMILES)	R/TMILES	· · · · · · · · · · · · · · · · · · ·	R/1	MILES			R/TMILE	S		R/T MILES		
421269	150											
10251403	150		-				- 					
Form. Name Form. Thickness	Type:	То		Called	Out	On Location	n Jo	b Started		completed		
Packer Type	Set At		Date		/24/2001	09/24/2		09/24/200	09	/24/2001		
Bottom Hole Temp. Retainer Depth	Pressu Total [Depth	Time	1	100	1545		1645		715		
Tools and A	ccessorie: Qty	s Make	的数据17 5		New/Used		ata Size Grade		То	Max. Allow		
INSERT	1	INIGNE	Casing	1	NEW	23.0	8 5/8	0	224			
Float Shoe Centralizers			Liner Liner		 	<u> </u>			ļ			
Top Plug	1		Tubing									
HEAD Limit clamp	1		Drill Pi Open		<u> </u>	l		-	 	Shots/Ft.		
Weld-A	-1		Perfor	ations								
Guide Shoe BTM PLUG	1		Perfor Perfor	ations				<u> </u>				
Materia	als Density		Hours Dat	On Loc	cation Hours	Operating Date	Hours Hours	Desci	iption of Jo OB LOG	bree see		
Disp. Fluid	Density	Lb/Gal	9/2	4	1.5	9/24	0.5					
Prop. Type Size		Lb										
Acid Type Gal. Acid Type Gal.		%						cicc	cat to	ριτ		
SurfactantGal		In TECHN	Completed Language		<u> </u>			==				
NE Agent Gal Fluid Loss Gal	/Lb KA	NAS CORPORTIO	a CUA	14133:01								
Gelling Agent Gal	/Lb	In]				
Fric. Red. Gal. Breaker Gal.	/Lb	in <u>FEB 2</u> 5	onsi Total		1.5	Total	0.5	<u> </u>				
Blocking Agent Perfpac Balls	Gal/Lb Qty.				•	Hydraulic	Horsepov	ver				
Other	Q(y.	CONSERVA 10	Order	<u> 10169</u>	1	Avail.		U	sed			
Other	· · · · · · · · · · · · · · · · · · ·	CONSCI	Treati			Average Disp.		Overa	ıll			
Other			Feet	13	•	∴ Cemen Reason	Left in Pip	e SH	OE JOINT			
Other			i cel	70		i (Gason		011				
Stand Santal Company					Data			T W/F	Ra. Yield	Lbs/Gal		
Stage Sacks Cement 1 230 PP	Bulk/Sks BULK	2% CC, 1/8# POLYF	Additive LAKE	28				6.3				
2	BULK								_			
			· ·	ımmarı		g var se va		<u> </u>				
Circulating		cement	STATE OF	Pr	eflush:	BBI	The same of the sa	Type:				
Breakdown	MAXIN	MUM		Lo	oad & Bkdn:	Gal - BBI			Bbl-Gal			
Average	— — _{Emo} ,	Gradient			eatment:	Gal - BBI		 Disp:I	3bl —	11.50		
Shut in: Instant	5 Min.			C	ement Slurry	BBI	55.0			···		
	and a series of the s				otal Volume			and Section	Property of			
THE INFORMATION ST				g growing two trees(4),44500°,	- magazina and a second of the second of	· months of the second of the	and the second of the					
CUSTOMER REPRES						CICKIATION						
						SIGNATURE						

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HAL	LIBURTO	ON				LOG			TICKET #	١	09/24/01			
REGION NORTH AN	MEDICA	I AND		USA	UNTRY		•		BDA / STATE KS		COUNTY	İ		
MBU ID / EMPL #				H.E.S EM					PSL DEPARTMENT					
MCLI 0113	212723	<u> </u>		JERF		EVANS		Cementing Services CUSTOMER REP / PHONE						
LAKIN, KS	÷				C	SBORN	HEIRS	RICHARD GUIR						
\$9,563.02				WELL TYP	PE.	Oll	L		API/UWI#			1		
WELL LOCATION				DEPARTM				JOB PURPOSE CODE						
LAKIN, KS	FASE NAME I Well No. I SEC / TW								7521 HES FACILITY (CLOSEST YO WELL S					
DAVID		1	<u>-B</u>	11-21	IS-38				LIBERAL, KS					
HES EMP NAME/EMP # (EX				es emp name/em	P#(EXPOSU	RE HOURS)	HRS HESEMP N	AWE/EMP # (EXPOSU	RE HOURS)	HR	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS		
EVANS, J 2 CLEMENS,			.5 .5					· · · · · ·				┿		
SCHAWO, N			.5				 			-	· · · · · · · · · · · · · · · · · · ·	┿		
SCHAWO, I	1 22232											+-1		
												*S#		
Chart	Time	Rate		Volume	Rate	Press	i.(PSI)			Job De	scription / Remarks			
No.		(BPM)	(E	BBL)(GAL)	- N2	CSG.	€ Tbg							
	1545							ON LOCA	TION					
	1555		\perp					SAFETY	MEETING					
	1600		_					SET UP T	RUCKS			\dashv		
	1605	<u> </u>	4					RUN FE						
	1645		+					TEST LIN						
	1647		+					PUMP CN						
· · · · · · · · · · · · · · · · · · ·	1703 1704		+					DROP PL	_UG					
	1711		+					BUMP PL	UG.			_		
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Well Description:

Job Date: UWI:

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