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Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1 September 1999
Form Must Be Typed

SEP 2 0 2001

WELL COMPLETION FORM		
WELL HISTORY - DESCRIPTION OF WELL & LEASE		
APINO 15 175-21849-00-0	Ľ	

KCC WICHITA	API No. 15 - 175-21849-00-00 ORIGINAL
Operator: License #_04782 Name: ENSIGN OPERATING CO.	County: SEWARD
Name: ENSIGN OF ENAMING CO. Address: 5555 NW GRAND BLVD., STE 240	County: SEC. 13 Twp. 33 S. R. 32 East West
Address: 9999 NVV GIVAND BEVD., OTE 240	•
City/State/Zip: OKLAHOMA CITY, OK 73112	1540' feet from S / N (circle one) Line of Section 1265' feet from E / W (circle one) Line of Section
Purchaser: WILLIAMS FIELD SERVICE	leet nom E / W (droie one) Line of occuon
Operator Contact Person: GODFREY J. HOLASEK, JR.	Footages Calculated from Nearest Outside Section Corner:
Phone: (405_) 943-8866	(circle one) (NE) SE NW SW
Contractor: Name: CHEYENNE DRLG., INC	Lease Name: EOC Well #: 2-13
License: #5382	Field Name: EAST HUGOTON
Wellsite Geologist: N/A	Producing Formation: CHASE
Designate Type of Completion:	Elevation: Ground: 2692' Kelly Bushing: 2698'
New Well Re-Entry Workover	Total Depth: 2660' Plug Back Total Depth: 2647'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at654Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth tosx cmt.
Well Name:	•
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan Alf I KGR 7/03/04 (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content $\frac{1100}{}$ ppm Fluid volume $\frac{2500}{}$ bbls
Plug BackPlug Back Total Depth	Dewatering method used Evaporation
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	•
Other (SWD or Enhr.?) Docket No	Operator Name:
06/01/01 06/03/01 06/27/01	Lease Name: License No.:
Soud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R 🗍 East 🗌 West
Recompletion Date Recompletion Date	County: Docket No.;
en e	
INSTRUCTIONS: An original and two copies of this form shall be filed with 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.	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.
All requirements of the statutes, rules and regulations promulgated to regu	KCC Office Use ONLY Letter of Confidentiality Attached / If Denied, Yes Date:
Notary Public: MY COMMISSION EXPIRES 07-09-20	Wireline Log Received Geologist Report Received UIC Distribution
Date Commission Expires:	

Operator Name: EN	SIGN OPERAT	ING CO.	Lease Na	ame: EOC	····	_ Well #: _2-1	13		
Sec. 13 Twp. 3	33 S. R. 32	East		SEWARD	····			_	
ested, time tool oper emperature, fluid red	overy, and flow rate	and base of formations of and shut-in pressure es if gas to surface test final geological well sit	s, whether shut , along with fina	-in pressure reached	static level, hydro	static pressu	res, bottom hole		
Orill Stem Tests Take (Attach Additional		☐ Yes 💢 No		Log Formati	ion (Top), Depth a	nd Datum	Sample		
Samples Sent to Geo	•	☐ Yes 🏻 No	. •	Name		Тор	Datum		
Cores Taken Electric Log Run (Submit Copy)		Yes No		÷ .			}		
ist All E. Logs Run:	***								
Gamma Neu	tron (Cased	Holé)		•			; ;		
		CACIN				21.00		7	
		CASIN	IG RECORD (et-conductor, surfa	New Used Used ce, intermediate, produc	tion, etc.	יי			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	. Weight Lbs. / Ft		Type of Cement	# Sacks Used	Type and Percent Additives		
Prod CSG	7-7/8"	4-1/2	10.5	2660	Pozlite	600	1/4 #/sx Flo	ocele i lsoni	
Pirk a		8.625		1054			1 1 3	TI SOIII	
J.,		н							
		ADDITION	AL CEMENTING	/ SQUEEZE RECOR)		V.	_	
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom			ed	Type and Percent Additives				
Plug Off Zone									
Shots Per Foot		TON RECORD - Bridge P r Footage of Each Interval F			acture, Shot, Cement mount and Kind of Ma		rd Depth		
1		Zone 2496-25			ed with PP		:		
	U. Krider	Zone 2532-255	4	3200 g	ls / 7-1/2	% FE-HCI			
	L. Krider	Zone 2562-259	0 .						
			· · · · · · · · · · · · · · · · · · ·						
					,				
TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes X No		,		
Date of First, Resumed	2-3/8" I Production, SWD or I			Flowing Pump		·	ner (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas - 38	Mcf		3bls. (Gas-Oil Ratio	Gravity	6	
Disposition of Gas		COMPLETION	, r V	Production Inte					
Vented Sold	Used on Lease umit ACO-18.)	Open Ho		Dually Comp.	Commingled _	······································			

MID-CONTINENT NWA CEMENTING CALL FOR SALES & SERVICE MAKE SAFETY A CORE VALUE IN YOUR LIFE!
PLEASE WORK & DRIVE SAFELY!



COMPANY Ensign Operating Co. OWNER DATE														
BILLING ADDRESS P. O. Box 2161, Liberal, KS 67901-2161														
CONTRACTOR Ch	eyenn	ie Dril	ling F	tig 8	API 1517	5218490	000		SEC	, TWN, F	RNG	S13-T	33S-R	132W
LEASE EOC				7	vell no. 2	-13	COUNT	TY/ STATE	Sewa	ard, K	S	1	RT MIL	EAGE30/30
DIRECTIONS Liberal, KS 6 point intersection: 13 East on HWY 54 to East side of Cimarron River Bridge, North														
2 miles on Panhandle Road, East 1/2 mile to windmill and follow trail East and South 3/8 mile to location														
QUOTE: 206831	63		SO	13306	78	KB	13306	79						
SURFACE	INTI	ER.	•	LON	IG STRING	XX	LINE	R		PLUC	BAC	К		PTA
SQUEEZE	WHI	IPSTOCE	ζ		OTHER		-							
CASING SIZE	WEIGH	łT	Т	THREA	D	PLUG C	ONT	SWAGE	Í	CSG SW	IVEL	TOP PL	UG	BOTTOM PLUG
4.5"	10.5#	ŧ		8 rd		YES		YES			Ì	Latch		
						-		1 5, 53	(AE00			Down		1101 - 0101
TBG / DP SIZE	WEIGH	11		THREA	Ŋ	2660 F	T		CESS 100%	,	MUD	WI	İ	HOLE SIZE 7 7/8"
NUMBER AND TYPE	TD11011	C 31/4 3 1T	<u> </u>	CM	Pulls Com	ont							i	
NUMBER AND TYPE	TRUCK	S WANI	ED N	CIVI.	bulk Cem									
REMARKS Fillup	to sur	face 0	% exc	ess in	side 8 5/8'	!								
# OF SACKS 450	T	YPE 50)/50 P	oz/C	ADDITIV	ES 2% 7	Total (Gel, 1/4#	Poly	flake I	E, 10	# Gilson	nite/sl	k (PT-4 HRS)
# OF SACKS	T	YPE			ADDITIV	es Mix	@ 12.	2 ppg, 1	.92 cf	sk, 9.5	4 ga	l/sk H2	0	
# OF SACKS 150	T	YPE P	rem P	lus	ADDITIV	ES 1/4#	Polyfl	ake E, 5	#/sk	Gilson	ite	(PT-	2 HO	URS)
# OF SACKS	T	YPE			ADDITIV	es Mix	@ 14.8	3 ppg, 1.	34 cf/	sk, 5.8	4 gal	l/sk H20	0	
# OF SACKS	T	YPE			ADDITIV	es DISF	PLACI	E W/ 2%	6 PO	FASSI	UM (CHLOI	RIDE	& 1# BE-6
# OF SACKS	T	YPE			ADDITIV	ES			*	-				
SPACER TYPE			QUAN	TITY		REMARK	s AHE	AD OF	CEME	NT				
2% KCI WATEI	₹		10 b											
SPACER TYPE			QUAN	TITY		REMARK	S							
KCL 400 LBS & 1# B	F-6		CLAY	FIX II			LO-SU	RF				CLASTA	-XP	
		G WEIGI	i T	ТН	READ		GU	IDE SHOE				LATCH	I DOW	N PLUG & BAFFLE
4.5"	10.5#	ŧ		8 r							ا مراجع	3 Wi	per P	lug & Baffle
INSERT FLOAT SHOE		FLOAT	SHOE		,	FLOAT CO	DLLAR			•	INSE	RT FLOA	. I	
CENTRALIZER-QTY	DE	L		SIZE			·····				TYP	Ē		
5 EACH				4 1/2	" X 7 7/8"	•					FL	UIDM	ASTE	RS
WALL CLEANERS-QT	Y	TYPE			DV TOOL			3.20.		DV PLI	JG SE	Ţ		
LIMIT CLAMPS		WI	ELD-A			СМТ В	ASKET			OTHE	R	, .		
1 EACH REMARKS		L				_1		·		L				
KEWAKKS														
ORDERED BY: Will	iam H	Blagi	rave (Cellula	r 405-317	-3068 O	ffice 6	20-626-8	3131	12 ± 1			OF CA	LL: 2/2001
CALL TAKEN BY: V	Villson	n /LAI	RRY/I	DON									READ	
CREW CALLED:					_·			ECE	VE	<u> </u>	<u>-</u>	TIME	: SU	NDAY AM
<u> </u>					······································				- (Berney)				CMTCA	LL.DOC

9-12-01;15:46	;					ISALES ORDER N		624 9745		# 5/ 7		
HALLIBURTON	اا. ا	OB SUMN	MARY	Y			30678		06/03/01			
NORTH AMERICA LAND		MID CONTINE				BDA / STATE		SEWARD	SEWARA DIOINIA			
MBU ID / EMPL #	····	H.E.S EMPLOYEE NAME	MME				र .					
MCLI0110 106328		NICK KORBE				CUSTOMER REP	ng Service	es <u> </u>	1110			
LIBERAL		ENSIGN OPER	RATING	CO		WILLIAM BLAGRAVE						
\$18,021.83		GAS				API/UWI			٠			
WELL LOCATION		DEPARTMENT	EMENT			7523		scription ement Produ	otion C	oning		
13E, 2N OF LIBERAL	Well No.	SEC / TWP / RNG	ZIVIENI			HES FACILITY (C	iction C	asing				
EOC	2-13	13-33S-32W				LIBERAL						
HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS			HRS		<u> </u>	HRS	T		HRS		
Korbe, N 106328 King,K 105742	7.0			- -				 	 -			
Lopez, J 198514	6.0											
WAYNE REED	6.0							<u> L</u>				
HE.S. UNIT #S / (R / T MILES)	R/T MILES		<u> </u>	MILES			R/TMILE	s		R/TMILES		
10219237	38											
10243558/75821	110											
10244148/6610	110							<u> </u>				
Form. Name Form. Thickness	Type:	To		Called		On Location		b Started	Јов С	ompleted		
Packer Type	Set At		Date		03/2001	06/03/2		06/03/2001		03/2001		
Bottom Hole Temp. Retainer Depth	Pressu	epth	Time		30 0	0600		1000		100		
Tools and A	ccessories	The same same same	Cerayaer	HER PHO		₩Well*[)ata	AND REPERTATION				
Type and Size 4 1/2 Float Collar L D BAFFLE		Make IALCO	Casing		New/Used NEW	10.5	Size Grade	From	To 2,671	Max. Allow		
Float Shoe IFS	1 h	IALCO	Liner	····								
Centralizers FM		ALCO ALCO	Liner Tubing									
Top Plug 3-W LD HEAD		ALCO	Drill Pip	e								
Limit clamp	1 F	IALCO	Open H	ole						Shots/Ft.		
Weld-A Guide Shoe			Perforat Perforat									
BTM PLUG			Perforat	ions								
Materia Mud Type	Is Provide Density	Lb/Gall	Hours C Date	n Loc	ation (*). Hours	Operating Date	Hours Hours	Description	on of Job	TION CASIN		
Disp. Fluid	Density	Lb/Gal	6/3		7.0	6/3	1.0	·	.ـــــــــــــــــــــــــــــــــــــ			
Prop. Type Size Size		Lb						To the same	COL HIL			
Acid Type Gal.		%							- min 1 VI	Commence Company		
Acid Type Gal. Surfactant Gal.		%						- SFF	20.	0004		
NE Agent Gal.		In							4. U /	2001		
Fluid Loss Gal/ Gelling Agent Gal/		In						Kee	WICH	ITA		
			and the second	7300		- I some set				****		
Breaker Gal/ Blocking Agent	Lb Lb GaVLb	ln	Total		7.0	Total	1.0					
i Cripao Dano	Qty.						Horsepowe					
Other			Ordered			Avail.	Rates in BR	Used_ Mæ				
Other			Treating			Disp.						
Other			Feet 1	11	ž.	Reason	Left in Ripe	SHOE JOINT				
				nent D	ata 🦠 🦮	END POSSE	11.65.00.00					
Stage Sacks Cement LEAD 450 50/50 POZ C	Bulk/Sks BULK	2% GEL, 1/4# POLY	Additives FLAKE, 1	0# GIL	SONITE			9.54	Yield 1.92	12.20		
TAIL 150 PREM PLUS	BULK	1/4# POLYFLAKE, 5	# GILSO	NITE				5.84	1.34	14.8		
		<u> </u>							 			
		ement	Sum	mary		BBI [PRODUCTION STATE	Type:		ATTEREST OF THE PERSON OF THE		
Circulating Breakdown	MAXIM	UM		Loa	d & Bkdn:	Gal - BBI		Pad:Bbl-C				
Lost Returns-\ Cmt Rtm#Bbl	Lost Re	etums-N		Exc	ess /Return c. TOC:	BBI		Calc.Disp Actual Dis		42		
Average	Frac. G	radient		Trea	atment: (Gal - BBI		Actual Dis Disp:Bbl	٠. <u>ــــ</u>			
Shut in: Instant	5 Min	15 Min_			nent Slurry al Volume		154//35, #VALUE!					
Frac Ring #1	Fra	c Ring # 2	fry 15-787		Frac King			Frac Ring # 4	25 July 1	alia ja siga katala ka		
THE INFORMATION ST				V		11 ~	14					
CUSTOMER REPRESE	NTATIV	=		M	hin	y O	' We	9				
			, ,			SIGNATURE						
							_					

ORIGINAL

			Ţ			100			TICKET		TICKET DATE				
	ALLIBL	JRTON		JOB LOG						1330678	06/03/01				
NORTH A	MERICA	LAND	IN	MID CONTINENT USA							SEWARD				
MBUID/EMPL# MCLI0110	106	328	.	NICK KORBE						ratment Lenting Sen	vices				
LOCATION LIBERAL				MPANY		SN OPE	RATING	CO			LIAM BLAGRAVE				
\$18,021.8	3			ELL TYPE		GA			APIOWI						
WELL LOCATION		A 1		PARTMEN		<u>~</u>	· • • • • • • • • • • • • • • • • • • •		JOB PUR	POSE CODE	at Production Cosing				
13E, 2N O	F LIBER	Well No	. 56	EMEI	RNG				Cement Production Casing						
EOC	POSUFE HOURS	2-1	_	3-335			HRS HESEMPI	WHEREIP I (EXPOSU	LIBE		S HES EUP HANGEUP & (EXPOSURE HOURS) HRS				
	Korbe, N 106328 7								74						
King,K 105	742	7													
Lopez, J 19		6	<u> </u>				 								
WAYNE RE	ED	e Maria di 182	463123to	1862 186	* T. A.		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	125 ALC 2001	44 × 451						
Chart	Time	Rate	Volu	ıme R	ate	> Pres	в.(PSI)	1	4	Job De	scription / Remarks				
No.		(BPM)	Market Sections	7. 11.10		ii csa ∄		STATE							
	0300		<u> </u>					CALLED							
	0600		ļ				ļ	ON LOCA							
<u></u>			 				 	HELD SAF							
								SET OF I	NUCK	?					
								START F.	Ε.						
								BREAK C	IRCULATION						
	4000		<u> </u>			0500									
	1006 1007	5.0	0.			2500	150	START KO		TER					
	1009	6.5	10/				200			MENT 450SK	S @12.2#				
	1037	6.0	154				200	1		MENT 150SKS					
	1044		36.	0	\Box			END CEMI							
	1045			_	_			WASH PU		D LINES					
	1048	6.0	0.	+			75	RELEASE START DIS		EMENT					
	1052	6.0	-	+	_		1000	CATCH CE							
	1058	2.0	32.	0			375	SLOW RAT	TE		Same Care Marie D				
	1102	2.0	42.	0			500//1000	BUMP PLU							
	1103							RELASE P		JRE	SEP 2 0 2001				
					\dashv			FLOAT HE	LD						
	1107			_	\dashv			FLOAT TU	RNED	LOOSE	KCC WICHITA				
	1112	2.0	0.1					PUMP BAC							
	1119		14.	0	\Box		500//1000	BUMP PLU							
					-			RELEASE							
					\dashv			RACK UP 1							
				\dashv	_			TOUR UP	INUCE						
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····				+				JOB COMP							
				+-	-			NICK AND							
L	<u></u>								J. 12 11						