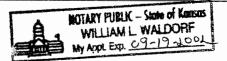
KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999

CONFIDENTIAL WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form Must Be Typed

Operator: License # 04782	API No. 15 - 175-21810-0000				
Name: Ensign Operating Co.					
Address: P. O. Box 2161	SE NW NW - Sec. 4 Twp. 31 S. R. 33 ☐ East ▼ West				
City/State/Zip: Liberal, KS. 67905-2161					
Purchaser: Williams Field Services	feet from (D / W (circle one) Line of Section				
Operator Contact Person: Godfrey J. Holasek Jr.	Footages Calculated from Nearest Outside Section Corner:				
Phone: (620) 626-8131	(circle one) NE SE (W) SW Lease Name: Warner F.R. Well #: 2-4				
Contractor: Name: Cheyenne Drlg. Inc.					
License: 5382	Field Name: Hugoton				
Wellsite Geologist: N/A	Producing Formation: Chase				
Designate Type of Completion:	Elevation: Ground: 2923 Kelly Bushing: 2929				
X New Well Re-Entry Workover	Total Depth: 2749 Plug Back Total Depth: 2741				
Oil SWD SIOWTRETEASE	Amount of Surface Pipe Set and Cemented at Feet				
X Gas ENHR SIGW	Multiple Stage Cementing Collar Used?				
Dry Other (Core, WSW, Expl., Cath	If yes, show depth setFeet				
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from				
Operator: FROMCONTILE	sx cmt.				
Well Name:	Drilling Fluid Management Plan Act 1 7/30/01 JB				
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit)				
Deepening Re-perf Conv. to Enhr./SWD	Chloride content 15,000 ppm Fluid volume 2,700 bbls				
Plug Back Plug Back Total Depth	Dewatering method used_Evaporation & Backfill To				
Commingled Docket No	Original Contour.				
Dual Completion	Location of fluid disposal if hauled offsite:				
Other (SWD or Enhr.?) Docket No	Operator Name:				
12/05/2000 12/07/2000 01/26/2001	Lease Name: License No.:				
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R				
Recompletion Date Recompletion Date	County: Docket No.:				
Kansas 67202, within 120 days of the spud date, recompletion, wo Information of side two of this form will be held confidential for a period	d with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, orkover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. In the street of the street o				
All requirements of the statutes, rules and regulations promulgated to reherein are complete and correct to the best of my knowledge.	regulate the oil and gas industry have been fully complied with and the statements				
Signature: Signature: Salaret Ja	KCC Office Use ONLY				
Title: District Manager Date: March 14th	1, 2001 Letter of Confidentiality Attached				
Subscribed and sworn to before me this 14thday of March	/ If Denied, Yes Date:				
2001	Wireline Log Received				
Notary Public: William L. Wall	Geologist Report Received PECEIVED				
	UIC Distribution STATE CORPORATION COMM				
Data Commission Evaluation Sept. 19th 2002	MAD Q < 0000 / // - 1				





ORIGINAL

Side Two

Operator Name:E	Ensign Operat	ting Co.	Lease	Name:_	Warner	F.R.	Well #: _2-	4	
Sec. 4 Twp. 3	31 s. R. 33	☐ East ☐xWest	County	:	Seward				-
tested, time tool oper temperature, fluid rec	n and closed, flowing covery, and flow rates	nd base of formations p and shut-in pressures, s if gas to surface test, inal geological well site	, whether sh along with fi	ut-in pre	ssure reached	static level, hydros	tatic pressur	es, bottom hole	
Drill Stem Tests Taken Yes X No (Attach Additional Sheets)			☑Log Formation (Top), Depth			nd Datum	Sample	-	
Samples Sent to Geological Survey			Name	-	ne Corral	тор 1784 '	Datum 1145 '		
Cores Taken Yes				Base of Stone Corral Wellington Herrington (Chase)			2196' 2598'	733 ' 331 '	
(Submit Copy)		_		1	er Kride		2624'	305 '	
List All E. Logs Run:					er Kride: field	r	2660 ' 2698 '	269 ' 231 '	
CBL. NEUR	V - SEE ATT	ACHERELEASE	D	"1"	11010		2070		
, , , , , , , , , , , , , , , , , , ,		APR 252							
AAAT		ROM-GONFIL	DESCE!	X Ne	ermediate, produc	ction, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives]
Surface	124"	8-5/8"	23	#	593 '	Prem + HLC	125 170	2% CC & ½#/ Sx. Flocele	
Production	7-7/8"	412"	10.5	#	2749'	Class 'C' 50750 Poz	489	¼#/Sx.Flocel & 10#/Sx.Gil	e sonit
		ADDITIONA	L CEMENTIN	NG / SQL	JEEZE RECOR	D		1]
Purpose:	Depth Top Bottom	Type of Cement	pe of Cement #Sacks		Used Type and Percent Additives				
Perforate INF BORTON Protect Casing Plug Back TD Plug Off Zone					ORIGINAL				
Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated			. Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth				
4 JSPF	PF 2628 - 2656' KC			00	- Si	EE ATTACHME	NT -		
	CONEIL	TENTIAL	MAR 1	4 21	101			CEIVED	
	LUNI						TATE CORPO	DRATION COMMISSION	
			CONFIL	TENT	IAI		1.14.	7 1 5 2001	
TUBING RECORD	Size 2-3/8"	Set At 2675 *	Packer A	t	Liner Run	Yes X No		NOTION DIVIDION	
	Production, SWD or En		thod	7 =		ina		Mansas Mansas	
Jan. 26th,		Bbls. Gas		Flowing				er (Explain)	
Per 24 Hours	Oil	Bbls. Gas	Mcf 77	Wate		Bbls. Ga	as-Oil Ratio N/A	Gravity 1.10	
Disposition of Gas	METHOD OF C		,,		Production Inte		11/ 11	1.10	j
Vented K Sold (If vented, Su	Used on Lease umit ACO-18.)	Open Hole Other (Spe			Dually Comp.	Commingled	2628 -	2656'	-

DRILLER'S LOG

ENSIGN OIL & GAS, INC. F.R WARNER 2-4 SECTION 4-31S-R33W SEWARD COUNTY, KANSAS

COMMENCED: 12-05-00

RELEASED

SURFACE CASING: 593' OF 8 5/8" CMTD

COMPLETED: 12-07-00

W/170 SKS HLC + 2% · CC + 1/4#/SK

APR 2 5 2002

FLOCELE. TAILED W/125 SKS PREMIUM

PLUS + 2%CC + 1/4#/SK FLOCELE.

FROM CONFIDENTIAL

FORMATION	DEPTH
SURFACE HOLE RED BED GLORIETTA RED BED SHALE & LIMESTONE	0 - 593 593 - 1280 1280 - 1435 1435 - 2542 2542 - 2749 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 12TH DAY OF DECEMBER, 2000.

JOLENE K. RUSSELL

KCC

MAR 1 4 2001

CONFIDENTIAL

CONFIDENTIAL

FINAL REPORT UNTIL FURTHER ACTIVITY

ORIGINAL

01/09/01 OPERATIONS @ 7:00 AM: RTD 2749': PBTD 2741'. PERF: U. KRIDER 2628'-2656'. PREPARE TO FRACTURE TREAT U. KRIDER ZONE 2628'-2656'.

WORK DONE 01/08/01 (DAY 4) MI 3-500 BBL FRAC TANKS AND FILL EACH W/400 BFW. SICP 240 PSIG. BLOW WELL DEAD IN 15 MINUTES. MIRU EAGLE WELL SERVICE RIG #2. ND WELLHEAD AND INSTALL 4½" 2000 PSIG WP ORBIT VALVE. SLIGHT GAS BLOW ON CSG. RU SWAB TOOLS. RIH W/4½" CSG SWAB AND FIND 30' FLUID IN HOLE. MAKE AN ADDITIONAL SWAB RUN AND FIND NO FLUID IN HOLE. SLIGHT GAS BLOW ON CSG. SHUT WELL IN AND SDFN.

01/10/01 OPERATIONS @ 7:00 AM: RTD 2749': PBTD 2741'. PERF: U. KRIDER 2628'-2656'. PREPARE TO CHECK FOR SAND FILL AND SWAB TEST.

WORK DONE 01/09/01 (DAY 5) 20 HR SICP 210 PSIG. MIRU HES. ACIDIZE U. KRIDER 2628'-2656' DOWN 4½" CSG W/2000 GALS 7.5% FE-HCL ACID AND 150 1.3 SPGR BALL SEALERS. FLUSHED ACID W/38.5 BBLS 20# WATERFRAC "G" LINEAR GEL. FORMATION BROKE @ 880 PSIG. FORMATION BALLED OF W/1800 GALS ACID IN FORMATION. MTP: 2300 PSIG. ATP: 500 PSIG. AIR: 8.0 BPM. CSG ON VACUUM 5 MINUTE APSD. ND ACID EQUIPMENT. RIH W/4½" CSG SWAB MANDREL AND JARS ON SAND LINE AND KNOCK BALL SEALERS OFF PERFORATIONS. ND 4½" ORBIT VALVE AND NU FRAC HEAD. RU FRAC EQUIPMENT. FRACTURE TREAT U. KRIDER 2628'-2656' DOWN 4½" CSG W/40,000 GALS 20# DELTA FRAC 140 AND 130,400# 12/20 BRADY SAND AS FOLLOWS:

RELEASED

RECEIVED STATE CORPORATION COMMISSION

Frac Data

APR 2 5 2002

MAR 1 5 2001

FROM CONFIDENTIA'

CONSERVATION DIVISION /

COMPLETION REPORT 01/10/01 CON'T

STAGE	VOLUME (GALS)	EVENT	SAND (#/GAL)	RATE (BPM)	PRESSURE (PSIG)
1 2 3 4 * SAND L	15000 8000 17000 1753 ADEN FLUID	PAD SLF* SLF* FLUSH	0 1-6 6 0	20.0 20.0 20.0 20.0	375 100 350 680

ACID CONTAINED 2 GAL SSO-21M (SURFACTANT) AND 2 GAL HAI-81M (INHIBITOR). ACID AND FRAC FLUSHES (20# WATERFRAC G) CONTAINED 5 GAL/1000 GALS LGC-IV (GELLING AGENT), .15#/1000GALS BE-6 (BIOCIDE), 2 GAL/1000 GALS CLAYFIX II (CLAY CONTROL), .005 GAL/1000 GALS N-ZYME 3 (BREAKER) AND 2 GAL/1000 GAL SSO-21M (SURFACTANT). PAD AND SLF (20# DELTA FRAC 140) CONTAINED .15#/1000 GALS BE-6 (BIOCIDE), 2 GAL/1000 GALS CLAYFIX II (CLAY CONTROL), .005 GAL/1000 GALS N-ZYME 3 (BREAKER), 5 GAL/1000 GALS LGC-IV (GELLING AGENT) AND 2 GAL/1000 GALS SSQ-21M (SURFACTANT). TOTAL LOAD AND TREATMENT = 48 BBLS ACID, 1057 BFW AND 130,400# 12/20 BRADY SAND. ISIP: 580 PSIG. 5 MIN SIP: 510 PSIG. 10 MIN SIP: 439 PSIG. 15 MIN SIP: 348 PSIG. MTP: 780 PSIG. ATP: 280 PSIG. AIR: 20 BPM. SHUT WELL IN 21/2 HRS TO ALLOW GEL TO BREAK. SITP = O PSIG. ND FRAC HEAD AND INSTALL 41/2" ORBIT VALVE. PU AND RIH W/3" OD SAND PUMP. TAG UP @ 2651' (90' SAND FILL). CLEAN OUT 41/2" CSG FROM 2651' TO 2711' (60') IN 3 HRS AND 15 SAND PUMP RUNS. RECOVER 61 GALS SAND. FL @ 2400' WHILE SAND PUMPING. SHUT WELL IN AND SDFN.

01/11/01 OPERATIONS @ 7:00 AM: RTD 2749': PBTD 2741'. PERF: U. KRIDER 2628'-2656'. PREPARE TO CHECK FOR SAND FILL AND SWAB TEST.

WORK DONE 01/10/01 (DAY 6) 14 HR SICP 190 PSIG. BLOW WELL DOWN IN 15 MINUTES. RIH W/SAND PUMP AND TAG UP @ 2711' (NO SAND FILL OVERNIGHT). CLEAN OUT SAND IN 4½" CSG FROM 2711' TO PBTD @ 2741' (30') IN 2½" HRS AND 13 SAND PUMP RUNS. RECOVER 36 GALS SAND. LD SAND PUMP. RIH W/SWAB TOOLS AND FIND IFL @ 2200'. SWAB TEST U. KRIDER 2628'-2656' THROUGH 4½" CSG FOR 4 HRS AND 28 SWAB RUNS. RECOVER 51 BLW. FL @ 2450' AFTER 3 SWAB RUNS. LAST HR SWAB 11 BLW IN 7 SWAB RUNS. FFL @ 2450' AND SCATTERED. GOOD GAS BLOW BEHIND SWAB. SLIGHT STEADY GAS BLOW BETWEEN SWAB RUNS. RIH W/SWAB JARS AND TAG UP @ 2726' (15' SAND FILL WHILE SWABBING). 1070 BLWTR.