

RECEIVED

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

SEP 20 2001

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 04782
 Name: ENSIGN OPERATING CO.
 Address: 5555 NW GRAND BLVD., STE 240
 City/State/Zip: OKLAHOMA CITY, OK 73112
 Purchaser: WILLIAMS FIELD SERVICE
 Operator Contact Person: GODFREY J. HOLASEK, JR.
 Phone: (405) 943-8866
 Contractor: Name: CHEYENNE DRLG., INC
 License: #5382
 Wellsite Geologist: N/A
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>06/01/01</u>	<u>06/03/01</u>	<u>06/27/01</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 175-21849-00-00
 County: SEWARD
C - SE - Sec. 13 Twp. 33 S. R. 32 East West
1540' feet from S / N (circle one) Line of Section
1265' feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: EOC Well #: 2-13
 Field Name: EAST HUGOTON
 Producing Formation: CHASE
 Elevation: Ground: 2692' Kelly Bushing: 2698'
 Total Depth: 2660' Plug Back Total Depth: 2647'
 Amount of Surface Pipe Set and Cemented at 654 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.
 Drilling Fluid Management Plan Alt I KJR 7/03/07
 (Data must be collected from the Reserve Pit)
 Chloride content 1100 ppm Fluid volume 2500 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market- Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Godfrey J. Holasek Jr
 Title: District Manager Date: 09/18/01
 Subscribed and sworn to before me this 18th day of September, 2001.
 Notary Public: Jude M. Barton
 Date Commission Expires: MY COMMISSION EXPIRES 07-09-2003

KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution



Operator Name: ENSIGN OPERATING CO. Lease Name: EOC Well #: 2-13
 Sec. 13 Twp. 33 S. R. 32 East West County: SEWARD

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: Gamma Neutron (Cased Hole)	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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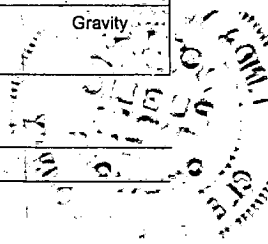
CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Prod CSG	7-7/8"	4-1/2	10.5	2660	Pozlite	600	1/4 #/sx Flocele 1/4" / sx Gilsonite
<i>Surface</i>		<i>8.625</i>		<i>1654'</i>			

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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
1	Herrington Zone 2496-2570	Acidized with PPI tool	
	U. Krider Zone 2532-2554	3200 gls / 7-1/2% FE-HCL	
	L. Krider Zone 2562-2590		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	2530'	N/A		
Date of First, Resumed Production, SWD or Enhr.			Producing Method			
06/29/01			<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	----	385	5 bbls			

Disposition of Gas		METHOD OF COMPLETION		Production Interval	
<input type="checkbox"/> Vented	<input checked="" type="checkbox"/> Sold	<input type="checkbox"/> Open Hole	<input checked="" type="checkbox"/> Perf.	<input type="checkbox"/> Dually Comp.	<input type="checkbox"/> Commingled
(If vented, Sumit ACO-18.)		<input type="checkbox"/> Other (Specify)			



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		ORIGINAL
CONTRACTOR Cheyenne Drilling Rig 8	API 15175218490000	
LEASE EOC	WELL NO. 2-13	COUNTY/ STATE Seward, KS
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: 20683163 SO--1330678 KB--1330679

SURFACE	INTER.	LONG STRING XX	LINER	PLUG BACK	PTA		
SQUEEZE	WHIPSTOCK	OTHER					
CASING SIZE 4.5"	WEIGHT 10.5#	THREAD 8 rd	PLUG CONT YES	SWAGE YES	CSG SWIVEL	TOP PLUG Latch Down	BOTTOM PLUG
TBG / DP SIZE	WEIGHT	THREAD	TD 2660 FT	% EXCESS OH 100%	MUD WT	HOLE SIZE 7 7/8"	

NUMBER AND TYPE TRUCKS WANTED **RCM. Bulk Cement**

REMARKS **Fillup to surface 0% excess inside 8 5/8"**

# OF SACKS 450	TYPE 50/50 Poz/C	ADDITIVES 2% Total Gel, 1/4# Polyflake E, 10# Gilsonite/sk (PT-4 HRS)
# OF SACKS	TYPE	ADDITIVES Mix @ 12.2 ppg, 1.92 cf/sk, 9.54 gal/sk H2O
# OF SACKS 150	TYPE Prem Plus	ADDITIVES 1/4# Polyflake E, 5 #/sk Gilsonite (PT-2 HOURS)
# OF SACKS	TYPE	ADDITIVES Mix @ 14.8 ppg, 1.34 cf/sk, 5.84 gal/sk H2O
# OF SACKS	TYPE	ADDITIVES DISPLACE W/ 2% POTASSIUM CHLORIDE & 1# BE-6
# OF SACKS	TYPE	ADDITIVES

SPACER TYPE 2% KCI WATER	QUANTITY 10 bbl	REMARKS AHEAD OF CEMENT
SPACER TYPE	QUANTITY	REMARKS

KCL 400 LBS & 1# BE-6	CLAYFIX II	LO-SURF	CLASTA-XP
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CASING SIZE 4.5"	CASING WEIGHT 10.5#	THREAD 8 rd	GUIDE SHOE	LATCH DOWN PLUG & BAFFLE 3 Wiper Plug & Baffle
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INSERT FLOAT SHOE IFS W/ FILL TUBE	FLOAT SHOE	FLOAT COLLAR	INSERT FLOAT
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CENTRALIZER-QTY 5 EACH	SIZE 4 1/2" X 7 7/8"	TYPE FLUIDMASTERS
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WALL CLEANERS-QTY	TYPE	DV TOOL	DV PLUG SET
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LIMIT CLAMPS 1 EACH	WELD-A	CMT BASKET	OTHER
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REMARKS

ORDERED BY: **William H Blgrave Cellular 405-317-3068 Office 620-626-8131**

TIME OF CALL:
1100 6/2/2001

CALL TAKEN BY: **Willson /LARRY/DON**

TIME READY:

CREW CALLED:

TIME: **SUNDAY AM**

RECEIVED

SEP 20 2001

KCC WICHITA.

