

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

KCC

JUN 9 1993

API NO. 15- 175-21,250 -0000

County Seward

SW SE Sec. 13 Twp. 33S Rge. 32 X E W

Operator: License # 04782

Name: Ensign Operating Co.

Address 621 17th St.

Suite 1800

City/State/Zip Denver, CO 80293

Purchaser:

Operator Contact Person: J. C. SIMMONS

Phone (303) 293-9999

Contractor: Name: Cheyenne Drilling, Rig #4

License: 5382

Wellsite Geologist: Reed Wacker

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No.  
 Dual Completion  Docket No.  
 Other (SWD or Inj?)  Docket No.

5/10/92 5/12/92 D & A 5/13/92  
Spud Date Date Reached TD Completion Date

660 Feet from (S) N (circle one) Line of Section  
1475 Feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE) NW or SW (circle one)

Lease Name EOC Well # 1-13

Field Name Hugoton

Producing Formation

Elevation: Ground 2676' KB 2687'

Total Depth 2800' PBTB

Amount of Surface Pipe Set and Cemented at 600' 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 cat.

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)

Chloride content 11,000 ppm Fluid volume 1295 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 Conni Smith 6/9/92

Title Sr. Engineering Technician Date 6/9/92

Subscribed and sworn to before me this 9th day of June 1992

Notary Public Pamela Campbell

Date Commission Expires 9-30-94

RECEIVED  
STATE CORPORATION COMMISSION  
OFFICE USE ONLY  
Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
CONSERVATION DIVISION  
KCC Wichita, Kansas  
SUD/Rep NGPA  
KGS Plug Other  
(Specify)

Operator Name Ensign Operating Co.

Lease Name

Well #

Sec. 13 Twp. 33S Rge. 32

East  
 West

County Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
(Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

Log Formation (Top), Depth and Datum  Sample

Name Top Datum

List All E.Logs Run:

See attached

See attached

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
Surface	12-1/4"	8-5/8"	24	600	HLC	140	2% CaCl <sub>2</sub> , 1/4#/sx Floccle
			Tail In		CI "C"	150	2% CaCl <sub>2</sub> 1/4#/sx Floccle

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used) Depth	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
D & A 5/13/92					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval

ORIGINAL

KCC

RELEASED

JUN 9 1993

JUL 15 1993

CONFIDENTIAL

FROM CONFIDENTIAL

EOC #1-13

SWSE Section 13-T33S-R32W  
Seward County, KS

LOG TOPS

<u>Formation</u>	<u>TOP</u>	<u>DATUM</u>
Stone Corral	1460	+1227
Ninnescah	1518	+1169
Herrington	2502	+ 185
U. Krider	2536	+ 151
Krider	2580	+ 107
Winfield	2634	+ 53
Towanda	2696	- 9
TD	2800	

RECEIVED  
STATE CORPORATION COMMISSION

JUN 11 1992

CONSERVATION DIVISION

ORIGINAL

00

DRILLERS LOG

JUN 9 1993

RELEASED

ENSIGN OPERATING COMPANY  
EOC #1-13  
SECTION 13-T33S-R32W  
SEWARD COUNTY, KANSAS

CONFIDENTIAL

JUL 15 1993

FROM CONFIDENTIAL

COMMENCED: 05-10-92  
COMPLETED: 05-13-92

SURFACE CASING: 608' OF 8 5/8"  
CMTD W/140 SX LITE "C", 2% C.C.,  
1/4#/SX FLO-CELE; TAILED IN W/  
150 SX "C", 2% C.C., 1/4#/SX FLO-CELE

FORMATION	DEPTH
SURFACE HOLE	0- 604
RED BED & GLORIETTA SAND	604-1165
SHALE	1165-2200
ANHYDRITE	2200-2590
SHALE & LIME	2590-2800 RTD

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

CHEYENNE DRILLING, INC.

A.J. JACQUES

STATE OF KANSAS :ss:

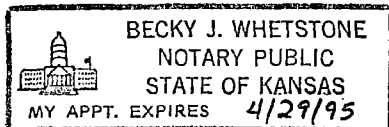
SUBSCRIBED AND SWORN TO BEFORE ME THIS 15TH DAY OF MAY, 1992

RECEIVED

STATE CORPORATION COMMISSION

Becky J. Whetstone JUN 11 1992

BECKY J. WHETSTONE, NOTARY PUBLIC  
Wichita, Kansas



DISTR JUN 09 '92

ORIGINAL  
09:32AM HALLIBURTON LIBERAL



REMIT TO: P.2/2

P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

RELEASED HALLIBURTON SERVICES JUN 9 1993

JUN 15 1993 A Halliburton Company

CONFIDENTIAL

INVOICE NO.	DATE
215910	05/10/1992

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
E.D.C. 1-13	SEWARD	KS	ENSSION OPERATING		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	CHEYENNE #4	CEMENT SURFACE CASING	05/10/1992		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
157789	T. A. DAVIS			COMPANY TRUCK	34004

CHEYENNE DRILLING INC  
BOX 916  
GARDEN CITY, KS 67046

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102 5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	15	MI	2.60	39.00
		1	UNT		
001-016	CEMENTING CASING	604	FT	680.00	680.00
		1	UNT		
030-018	CEMENTING PLUS SW, PLASTIC TOP	8 5/8	IN	130.00	130.00
		1	BA		
504-050	PREMIUM PLUS CEMENT	150	SK	8.19	1,228.50
504-120	HALL. LIGHT - PREMIUM PLUS	140	SK	7.35	1,029.00
507-210	FLOCELE	79	LB	1.30	94.90
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	26.50	159.00
500-207	BULK SERVICE CHARGE	307	CPT	1.15	353.05
500-306	MILEAGE CMFG MAT DEL OR RETURN	206.730	TMI	.80	165.38
	INVOICE SUBTOTAL				3,876.83
	DISCOUNT-(BID)				1,748.07-
	INVOICE BID AMOUNT				2,130.76
	*-KANSAS STATE SALES TAX				73.76
	*-SEWARD COUNTY SALES TAX				17.36
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$2,221.88

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 11 1992  
CONSERVATION DIVISION  
Wichita, Kansas

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE, UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST

ORIGINAL

ORIGINAL



P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

JUN 9 1993

A Halliburton Company

CONFIDENTIAL

INVOICE NO.	DATE
216912	05/13/1992

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
---------------------------	---------------------	-------	------------------

EOC 1-13

RELEASED

SEWARD

KS SAME

SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
------------------	------------	-------------	-------------

LIBERAL	CHEYENNE DRILLING	PLUG TO ABANDON	05/13/1992
---------	-------------------	-----------------	------------

ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
-----------	----------------	------------	----------------------	-------------	----------

273943	T. A. DAVIS			COMPANY TRUCK	34225
--------	-------------	--	--	---------------	-------

ENSIGN OPERATING COMPANY  
1515 AIR PARK AVENUE  
P.O. BOX 2161  
LIBERAL, KS 67905-2161

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	17	MI	2.60	44.20
		1	UNT		
009-019	PLUGGING BK SPOT CEMENT OR MUD	1550	FT	1,035.00	1,035.00
		1	UNT		
504-043	PREMIUM CEMENT	81	SK	7.94	643.14
506-105	POZMIX A	54	SK	4.32	233.28
506-121	HALLIBURTON-GEL 2%	2	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	5	SK	14.75	73.75
507-210	FLOCELE	34	LB	1.30	44.20
500-207	BULK SERVICE CHARGE	147	CFT	1.15	169.05
500-306	MILEAGE CMTG MAT DEL OR RETURN	246.88	TMI	.80	197.50
	INVOICE SUBTOTAL				2,440.12
	DISCOUNT-(BID)				366.00-
	INVOICE BID AMOUNT				2,074.12
	*-KANSAS STATE SALES TAX				88.15
	*-SEWARD COUNTY SALES TAX				20.76
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$2,183.03

5/20  
EOC 1-13  
RWacker

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 11 1992  
CONSERVATION DIVISION  
Wichita, Kansas