

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

ORIGINAL

KCC

APR 07

CONFIDENTIAL

API NO. 15- 175-21,238 ⁰⁰⁰⁰

County Seward

SE - NW - NE Sec. 27 Twp. 31S Rge. 32 ^E
X ^W

Operator: License # 04782

Name: Ensign Operating Co.

Address 621 17th St.

Suite 1800

City/State/Zip Denver, CO 80293

Purchaser: Newco

Operator Contact Person: J. C. Simmons

Phone (303) 293-9999

Contractor: Name: Gabbert-Jones Rig #8

License: 5842

Wellsite Geologist: Reed Wacker

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: _____

Comp. Date _____ Old Total Depth _____

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

3/5/92 3/14/92 3/24/92
Spud Date Date Reached TD Completion Date

990 Feet from S/W (circle one) Line of Section

1650 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 Stoll Well # 2-27

Field Name Thirty-One

Producing Formation Morrow

Elevation: Ground 2852 KB 2865

Total Depth 5700 PBDT _____

Amount of Surface Pipe Set and Cemented at 1726 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 17-2
(Data must be collected from the Reserve Pit)

Chloride content 2000 ppm Fluid volume 57500 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
Conni Smith

Title Sr. Engineering Technician Date 4/7/92

Subscribed and sworn to before me this 7th day of April
19 92

Notary Public Janet G. Campbell

Date Commission Expires 9/30/94

4-10-92
K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Wireline Log Received
Geologist Report Received
Distribution
KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other (Specify) _____
STATE CORPORATION COMMISSION
Wichita, Kansas

Operator Name Ensign Operating Co. Lease Name Stoll Well # 2-27

Sec. 21 Twp. 31S 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.)
 List All E.Logs Run:
 See attached

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attached

CASING RECORD New 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	1726	HLC	525	1/4#/sk Flocele
			Tailed in		Class "C"	150	2% CaCl ₂
Production	7-7/8	4-1/2	10.5	5690	Class "H"	225	3% KCl, 1% Halad 322 & .25% CBL

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
4	5524-5532	

TUBING RECORD Size 2-3/8 Set At 5533' Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 4/2/92 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Tr Bbls. Gas 750 Mcf Water 0 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 Morrow

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STOLL #2-27

SEWNE Section 27-T31S-R32W
Seward County, KS

Formation Tops:

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Herrington	2626'	+ 239
Krider	2680'	+ 184
Winfield	2726'	+ 139
Towanda	2772'	+ 93
Wreford	2934'	- 69
Council Grove	3028'	- 163
Wabaunsee	3338'	- 473
Topeka	3734'	- 868
Heebner	4218'	-1353
Toronto	4235'	-1371
Lansing	4317'	-1462
Swope	4819'	-1955
Marmaton	4952'	-2087
Cherokee	5115'	-2251
Atoka	5240'	-2376
Basal Atoka Chert	5439'	-2573
Morrow	5458'	-2593
Ss	5517'	-2653
Chester	5538'	-2673
TD	5700'	-2835

RELEASED

5 1993

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

APR 10 1992

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

GABBERT-JONES, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

KCC

APR 0 7

CONFIDENTIAL

WELL NAME: STOLL 2-27

SEC: 27-31S-32W

SEWARD COUNTY, KANSAS

COMMENCED: 3-5-92

COMPLETED: 3-16-92

OPERATOR: ENSIGN OPERATING COMPANY

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Depth		Formation	Remarks
From	To		
0	1212	sand-clay	
1212	1362	glorietta sand	Ran 40jts of 24# 8 5/8"
1362	1720	redbed	csg set @ 1726'w/525sks
1720	1726	anhy	prem lite weight 2%CC
1726	2420	redbed	1/4#FS 150sks prem
2420	2715	lime-shale	2%CC PD @ 5:00am 3-8-92
2715	3015	redbed	
3015	5585	lime-shale	
5585	5680	shale	Ran 140jts of 10 1/2# 4 1/2" csg
5680	5700	lime-shale	set @ 5690'w/225sks
			class H-3%KCL-.25%CBL
			-.7% halad 322
			PD @ 7:00am 3-16-92
			RR @ 8:00am 3-16-92

5700-TD

STATE OF KANSAS
COUNTY OF SEDGWICK

) I, the undersigned, being duly sworn on oath,
) state that the above Drillers' Well Log is true
) and correct to the best of my knowledge and
belief and according to the records of this office.

GABBERT-JONES, INC.

James S. Sutton, II.
James S. Sutton, II. -- President

Subscribed & sworn to before me this
March 18, 1992

Lola Lenore Costa
Lola Lenore Costa



RECEIVED
My commission expires Nov. 21, 1992

APR 10 1992

CONSERVATION DIVISION
Wichita, Kansas

REMIT TO:

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

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HALLIBURTON SERVICES

KCC

APR 07

INVOICE

A Halliburton Company

CONFIDENTIAL

INVOICE NO.	DATE
216602	03/07/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
STOLL 2-27		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		GABBERT & JONES	CEMENT SURFACE CASING		03/07/1992
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
273943	B. J. MCGRIFF			COMPANY TRUCK	31043

RELEASED

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

FROM CONFIDENTIAL

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	27	MI	2.60	70.20
		1	UNT		
001-016	CEMENTING CASING	1726	FT	1,020.00	1,020.00
		1	UNT		
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8	IN	130.00	130.00 *
		1	EA		
16A	CASING SHOE - 8 5/8" 8RD THD.	1	EA	161.00	161.00 *
830.2171					
24A	INSERT FLOAT VALVE - 8 5/8"8RD	1	EA	171.00	171.00 *
815.19502					
27	FILL-UP UNIT 7"- 8 5/8"	1	EA	30.00	30.00 *
815.19415					
40	CENTRALIZER 8-5/8" X 12.25"	3	EA	62.00	186.00 *
807.93059					
66	FASGRIP LIMIT CLAMP 8 5/8"	1	EA	13.75	13.75 *
807.64056					
350	HALLIBURTON WELD-A	1	LB	11.50	11.50 *
890.10802					
001-018	CEMENTING CASING - ADD HRS	7	HR	180.00	1,260.00
		1	UNT		
504-050	PREMIUM PLUS CEMENT	150	SK	8.19	1,228.50 *
504-120	HALL. LIGHT -PREMIUM PLUS	525	SK	7.35	3,858.75 *
507-210	FLOCELE	131	LB	1.30	170.30 *
509-406	ANHYDROUS CALCIUM CHLORIDE	12	SK	26.50	318.00 *
500-207	BULK SERVICE CHARGE	708	CFT	1.15	814.20 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	1272.12	TM		1,017.70 *
INVOICE SUBTOTAL					10,460.90
DISCOUNT-(BID)					2,092.18-
INVOICE BID AMOUNT					8,368.72
***** CONTINUED ON NEXT PAGE *****					

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STATE CORPORATION COMMISSION

APR 10 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 THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND

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

INVOICE

RECEIVED MAR 25 1992
HALIBURTON SERVICES

APR 07

A Halliburton Company

CONFIDENTIAL

INVOICE NO.	DATE
216602	03/07/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
STOLL 2-27		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		GABBERT & JONES	CEMENT SURFACE CASING		03/07/1992
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
273943	B. J. MCGRIFF			COMPANY TRUCK	31043

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
	*-KANSAS STATE SALES TAX				275.75
	*-SEWARD COUNTY SALES TAX				64.88
<p>RELEASED MAY 13 1993 FROM CONFIDENTIAL</p>					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$8,709.35

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STATE CORPORATION COMMISSION
APR 10 1992
CONSERVATION DIVISION
Wichita, Kansas

Stoll 2-27
Rucker

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 THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND THE AMOUNT OF SAID COSTS AS THE AMOUNT OF THE UNPAID ACCOUNT.

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RECEIVED MAR 25 1992
APR 07

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

HALLIBURTON SERVICES

A Halliburton Company

CONFIDENTIAL

INVOICE NO. 216530 DATE 03/16/1992

INVOICE

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
STOLL 2-27		SEWARD		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		GABBERT & JONES #8		CEMENT PRODUCTION CASING		03/16/1992
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
273943	B. J. MCGRIFF				COMPANY TRUCK	31267

RELEASED

DIRECT CORRESPONDENCE TO:

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

FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050

FROM CONFIDENTIAL OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - EASTERN AREA1 MILEAGE	27	MI	2.60	70.20
001-016	CEMENTING CASING	1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	5689	FT	1,520.00	1,520.00
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	UNT		
825.201		4	1/2 IN	35.00	35.00
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA	89.00	89.00
815.1910		1	EA	73.00	73.00
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.1911		1	EA	27.50	27.50
50	FLUIDMASTER CENTRALIZER 4 1/2"	5	EA	48.00	240.00
807.93504		5	EA	48.00	240.00
504-043	PREMIUM CEMENT	225	SK	7.94	1,786.50
507-775	HALAD-322	148	LB	6.15	910.20
500-959	SUPER CBL BLEND	53	LB	21.50	1,139.50
508-002	POTASSIUM CHLORIDE	300	LB	.25	75.00
500-207	BULK SERVICE CHARGE	225	CFT	1.15	258.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	433.02	TMI	.80	346.42
	INVOICE SUBTOTAL				6,571.07
	DISCOUNT-(BID)				1,314.21-
	INVOICE BID AMOUNT				5,256.86
	*-KANSAS STATE SALES TAX				169.36
	*-SEWARD COUNTY SALES TAX				39.84
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$5,466.06

Stoll 2-27
Rucker

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 THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT