

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

ORIGINAL

API NO. 15- 175-21,216-00-00 FEB 03

County Seward **CONFIDENTIAL**

NE-NE Sec. 6 Twp. 35S Rge. 33 X <sup>E</sup>

Operator: License # 04782

4425 Feet from (S)N (circle one) Line of Section

Name: Ensign Operating Co.

761 Feet from (E)W (circle one) Line of Section

Address 621 17th St.

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

Suite 1800

City/State/Zip Denver, CO 80293

Lease Name Liberal Well # 2-6

Purchaser: Newco

Field Name Salley SW

Operator Contact Person: J. C. Simmons

Producing Formation Chester

Phone ( 303 ) 293-9999

Elevation: Ground 2855' KB 2864.5'

Contractor: Name: Gabbert-Jones #3

Total Depth 6950 PBDT 6630

License: 5842

Amount of Surface Pipe Set and Cemented at 1640 Feet

Wellsite Geologist: John D. Pruitt

Multiple Stage Cementing Collar Used? XX Yes XX No

Designate Type of Completion  
X New Well        Re-Entry        Workover

If yes, show depth set        Feet

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

If Alternate II completion, cement circulated from       

feet depth to        w/        sx cnt.

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

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

Operator:       

Chloride content 1925 ppm Fluid volume 12000 bbls

Well Name:       

Dewatering method used evaporation

Comp. Date        Old Total Depth       

Location of fluid disposal if hauled offsite:       

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

Operator Name        **RELEASED**

Lease Name        License No.       

11/21/91 12/5/91 1/8/92  
Spud Date Date Reached TD Completion Date

Quarter Sec. Twp.                      Rng.        E/W

County        Docket No.        **FROM CONFIDENTIAL**

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 Connie Smith  
Title Sr. Engineering Technician Date 1/27/92

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Subscribed and sworn to before me this 27th day of January, 1992.

Notary Public Pamela F. Campbell  
Date Commission Expires 9/30/94

Operator Name Ensign Operating Co. Lease Name Liberal Well # 2-6  
 County LIBERAL Seward  
 Sec. 6 Twp. 35S Rge. 33  
 East  
 West

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	12-1/2	8-5/8	24	1640	HLC	650	2% CaCl <sub>2</sub>
			Tailed in		Class "C"	150	2% CaCl <sub>2</sub>
Production	7-7/8	4-1/2	10.5#	6925	HLC Class "H"	25 360	.7% Halad 322, 25% CBL, 3% KCl

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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	6634-6640 (L. Chester)	7-1/2% MCA, .1% LoSurf 300,	6564-94
2	6564-6594 (Chester)	.2% HA1-60 & 20#/1000 Gal Ferchek A. Displ w/26 Bbls 2% KCl Wtr, .1% LoSurf 300 & 1% ClaSta XP.	6564-6640
		13000 Gal 70% CO <sub>2</sub> Foam & 35000# 20/40 Mesh Frac Sd. Liner Run	6564-6594

TUBING RECORD	Size	Set At	Packer At	Production Interval
	2-3/8"	6540'	6540'	Chester
Date of First, Resumed Production, SWD or Inj.	Producing Method			
1/28/92	<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
	5	1,000	0	200

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACD-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

TRILOBITE TESTING COMPANY  
ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

RUC  
FEB 4 5  
CONFIDENTIAL

Drill-Stem Test Data

Well Name LIBERAL #2-6 Test No. 1 Date 12/1/91  
Company ENSGN OPERATING COMPANY Zone Tested MORROW/CHESTE  
Address 621 17TH STREET #1800 DENVER COLO Elevation 2866 K.B.  
Co. Rep./Geo. R WACKER/J FRUIT cont. GABBERT-JONES RIG #3 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 6 Twp. 35S Rge. 33W Co. SEWARD State KS

Interval Tested 6158-6279 Drill Pipe Size 4.5 XH  
Anchor Length 121 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 6153 Drill Collar - 2.25 Ft. Run 576  
Bottom Packer Depth 6158  
Total Depth 6279

Mud Wt. 9 lb / gal. Viscosity 42 Filtrate 9.1

Tool Open @ 7:15 PM Initial Blow PACKER FAILURE-TRIED TO RESET-NO HELP  
TOH W/ TOOL

Final Blow \_\_\_\_\_

Recovery -- Total Feet 530 Flush Tool? NO **RELEASED**

Rec. 530 Feet of DRILLING MUD **MAR 11 1994**

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ **FROM CONFIDENTIAL**

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ **FEB 11 1992**  
**CONSERVATION DIVISION**  
**WICHITA, KANSAS**

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 142 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 1000 \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 2966.3 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 6160 w/Clock No. 19960

(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure \_\_\_\_\_ PSI @ (depth) 6274 w/Clock No. 27566

(E) Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure \_\_\_\_\_ PSI Initial Opening \_\_\_\_\_ Final Flow \_\_\_\_\_

(H) Final Hydrostatic Mud 2922.4 PSI Initial Shut-In \_\_\_\_\_ Final Shut-In \_\_\_\_\_

Our Representative ROD STEINBRINK TOTAL PRICE \$ 1050

ORIGINAL **TRILOBITE TESTING COMPANY**

P.O. Box 362 • Hays, Kansas 67601

KCC

FEB 03

CONFIDENTIAL

**Drill-Stem Test Data**

Well Name LIBERAL #2-6 Test No. 2 Date 12/2/91  
Company ENSIGN OPERATING COMPANY Zone Tested LWR MORR/CHES  
Address 621 17TH STREET #1800 DENVER COLO Elevation 2866 K.B.  
Co. Rep./Geo. R WACKER/J PRUIT Cont. GABBERT-JONES RIG #3 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 6 Twp. 35S Rge. 33W Co. SEWARD State KS

Interval Tested 6164-6279 Drill Pipe Size 4.5 XH  
Anchor Length 115 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 6159 Drill Collar - 2.25 Ft. Run 576  
Bottom Packer Depth 6164  
Total Depth 6279

Mud Wt. 9 lb / gal. Viscosity 42 Filtrate 9.1

Tool Open @ 12:58 AM Initial Blow STRONG BLOW OFF BOTTOM IN 1 MINUTE-WENT TO 2"  
ISI: BLED OFF BOW-NO RETURN  
Final Blow STRONG RETURN OFF BOTTOM IMMEDIATELY - GAS TO  
SURFACE IN 5 MINUTES

Recovery - Total Feet 100 Flush Tool? NO

Rec. 100 Feet of DRILLING MUD

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
BHT 139 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2920.8 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 136 PSI @ (depth) 6168 w/Clock No. 19960

(C) First Final Flow Pressure 136 PSI AK1 Recorder No. 13615 Range 4925

(D) Initial Shut-In Pressure 1797.7 PSI @ (depth) 6274 w/Clock No. 27566

(E) Second Initial Flow Pressure 161 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 141.9 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure 1855.5 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2815.4 PSI Initial Shut-In 60 Final Shut-In 120

Our Representative ROD STEINBRINK TOTAL PRICE \$ 1200

RECEIVED  
CONSERVATION COMMISSION  
FEB 05 1992  
CONSERVATION DIVISION  
WICHITA, KANSAS  
RELEASED  
MAR 11 1994  
FROM CONFIDENTIAL

ORIGINAL  
**TRILOBITE TESTING COMPANY**

P.O. Box 362 • Hays, Kansas 67601

KCC

FEB 0 1992

CONFIDENTIAL

## Drill-Stem Test Data

Well Name LIBERAL #2-6 Test No. 3 Date 12/4/91  
Company ENSIGN OPERATING COMPANY Zone Tested CHEST/ST LOUI  
Address 621 17TH STREET #1800 DENVER COLO Elevation 2866 K.B.  
Co. Rep./Geo. R WACKER/J PRUIT Cont. GABBERT-JONES RIG #3 Est. Ft. of Pay 20  
Location: Sec. 6 Twp. 35S Rge. 33W Co. SEWARD State KS

Interval Tested 6480-6622 Drill Pipe Size 4.5 XH  
Anchor Length 142 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 6475 Drill Collar - 2.25 Ft. Run 546  
Bottom Packer Depth 6480  
Total Depth 6622

Mud Wt. 8.8 lb / gal. Viscosity 50 Filtrate 8.6

Tool Open @ 12:23 AM Initial Blow STRONG BLOW OFF BOTTOM IN 30 SECONDS/GAS TO SURFACE IN 16 MIN/ ISI:2" NEVER COMPLETELY DIED OFF  
Final Blow STRONG RETURN GAUGING GAS 3.4 LBS. ON 2" PITOT TUBE=1448.6 MCF/DAY

Recovery - Total Feet 970 Flush Tool? NO

Rec. 360 Feet of GSY WATERY MUD-7%GAS/13%WTR/80%MUD

Rec. 610 Feet of GSY MUDDY WATER-15%GAS/70%WTR/15%MUD **RELEASED**

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 145 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW 0.39 @ 70 °F Chlorides 18000 ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud 3201.8 PSI Ak1 Recorder No. 13615 Range 4575

(B) First Initial Flow Pressure 847.2 PSI @ (depth) 6484 w/Clock No. 19960

(C) First Final Flow Pressure 962.9 PSI Ak1 Recorder No. 13309 Range 4025

(D) Initial Shut-In Pressure 2539.8 PSI @ (depth) 6617 w/Clock No. 27566

(E) Second Initial Flow Pressure 899.2 PSI Ak1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 1116.4 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure 2341 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 3050.4 PSI Initial Shut-In 60 Final Shut-In 120

Our Representative ROD STEINBRINK TOTAL PRICE \$ 1250

WICHITA, KANSAS  
FEDERAL BUREAU OF INVESTIGATION  
MAR 11 1994  
FROM CONFIDENTIAL

ORIGINAL

KCC  
FEB 4 3  
CONFIDENTIAL

Ensign Operating Company  
#2-6 Liberal  
Page 3

RELEASED

MAR 11 1994

WELL HISTORY: (continued)

Date	Depth	Formation	Operation
12-03-91	6585'	Chester Sand	Drilling. Made 306' in 24 hrs. VIS 45, MW 9.0, CI 800, pH 8.5 WL 9.4, FC 2/32, LCM 4#, CA 40 WOB 40, RPM 70, PP 1100, SPM 60
12-04-91	6622'	Chester Sand	DST #3. Made 37' in 24 hrs. VIS 50, MW 8.8, CI 900, pH 9.0 WL 8.6, FC 2/32, LCM 6#, CA 20 WOB 40, PRM 70, PP 1100, SPM 60 Lost 10 bbl at 6622' on short trip.
12-05-91	6862'	Spergen	Drilling. Made 240' in 24 hrs. VIS 47, MW 9.0, CI 2400, pH 9.5 WL 9.0, FC 2/32, LCM 4#, CA 80 WOB 45, RPM 70, PP 1150, SPM 60
12-06-91	6950' DTD 6931' LTD 6946.03' STD	Spergen	Logging. Made 88' in 24 hrs. VIS 47, MW 9.0, CI 2400, pH 9.5 WL 9.0, FC 2/32, LCM 4#, CA 80 WOB 45, RPM 70, PP 1550, SPM 60

FORMATION TOPS:

Formation	Sample	Datum	E. Log	Datum
Herrington			2612'	(+ 254')
Council Grove			3050'	(- 184')
Heebner	4340'	(-1474')	4345'	(-1479')
Toronto	4360'	(-1494')	4357'	(-1491')
Lansing	4473'	(-1607')	4493'	(-1627')
Kansas City	4780'	(-1914')	4782'	(-1916')
Marmaton	5192'	(-2326')	5191'	(-2327')
Cherokee	5504'	(-2638')	5499'	(-2633')
Atoka	5684'	(-2818')	5678'	(-2812')
Morrow	5865'	(-2999')	5860'	(-2994')
Lower Morrow	6144'	(-3278')	6140'	(-3274')
Chester	6173'	(-3307')	6178'	(-3312')
Chester	6496'	(-3630')	6491'	(-3625')
St. Louis	6702'	(-3836')	6696'	(-3830')
Spergen	6830'	(-3964')	6825'	(-3959')

FEB 05 1992  
CONSERVATION DIVISION  
WICHITA, KANSAS

ORIGINAL

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

FEB 4 5  
CONFIDENTIAL

WELL NAME: LIBERAL # 2-6  
SEC: 6-35S-33W  
SEWARD COUNTY, KS

COMMENCED: 11-21-91

COMPLETED: 12-7-91

OPERATOR: ENSIGN OPERATING CO.

RELEASED

MAR 11 1994

FROM CONFIDENTIAL

Depth		Formation	Remarks
From	To		
0	770	Sand-Clay-Redbed	Ran 38jts of 24# 8 5/8" csg LD@ 1640' w/650sks
770	2350	Redbed	
2350	2530	Lime-Shale	Litwt 1/4 #FS 2% CC
2530	2988	Shale-Lime	
2988	3213	Lime-Shale	150sks Class C 2%CC
3213	3595	Shale-Lime	
3595	3769	Lime-Shale	PD@ 12:00Noon 11-22-91
3769	3953	Shale-Lime	
3953	4205	Lime-Shale	Ran 157jts of 10 1/2 # 4 1/2" csg LD@ 6925'w/360
4205	4534	Shale-Lime	
4534	4672	Lime-Shale	sks class H
4672	5038	Shale-Lime	
5038	5181	Lime-Shale	PD@ 4:00am 12-7-91
5181	5465	Shale-Lime	
5465	5586	Lime-Shale	
5586	5888	Shale-Lime	
5888	6099	Lime-Shale	
6099	6322	Shale-Lime	
6322	6455	Lime-Shale	
6455	6862	Shale-Lime	
6862	6950	Lime	

6950-TD

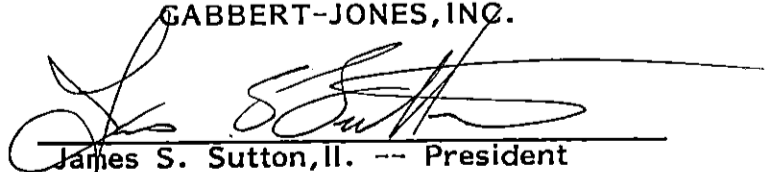
RECORDED  
STATE CORPORATION COMMISSION

FEB 05 1992  
CONSERVATION DIVISION  
WICHITA, KANSAS

STATE OF KANSAS  
COUNTY OF SEDGWICK

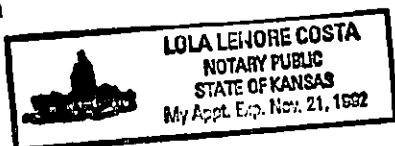
) I, the undersigned, being duly sworn on oath,  
) state that the above Drillers' Well Log is true  
) and correct to the best of my knowledge and  
belief and according to the records of this office.

GABBERT-JONES, INC.

  
James S. Sutton, II. -- President

Subscribed & sworn to before me this  
December 9TH 1991

  
Lola Lenore Costa



My commission expires Nov.21, 1992

ORIGINAL  
INVOICE

ORIGINAL  
HALLIBURTON SERVICES FEB 13



KCC

REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

A Halliburton Company

CONFIDENTIAL

INVOICE NO.	DATE
186924	11/22/1991

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
LIBERAL 2-6	SEWARD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	GABBERT & JONES #3	CEMENT SURFACE CASING	11/22/1991		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
273943	B. J. MCGRIFF			COMPANY TRUCK	26411

RELEASED

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

MAR 11 1994

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 - MID CONTINENT					
000-117	MILEAGE	1	MI	2.60	2.60
		1	UNT		
001-016	CEMENTING CASING	1641	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"	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"	2	EA	62.00	124.00
807.93059					
66	FASGRIP LIMIT CLAMP 8 5/8"	1	EA	13.75	13.75
807.64056					
350	HALLIBURTON WSLD-A	1	LB	11.50	11.50
890.10802					
504-050	PREMIUM PLUS CEMENT	150	SK	7.08	1,062.00
504-120	HALL. LIGHT -PREMIUM PLUS	650	SK	6.63	4,309.50
507-210	FLOCELE	163	LB	1.30	211.90
509-406	ANHYDROUS CALCIUM CHLORIDE	14	SK	26.25	367.50
500-207	BULK SERVICE CHARGE	839	CFT	1.15	964.85
500-306	MILEAGE CMTG NAT DEL OR RETURN	1242.879	TMI	.80	994.30
INVOICE SUBTOTAL					9,573.90
DISCOUNT - (BID)					1,914.78-
INVOICE BID AMOUNT					7,659.12
**KANSAS STATE SALES TAX					290.74
***** CONTINUED ON NEXT PAGE *****					

OKLAHOMA CORPORATION COMMISSION  
FEB 05 1992  
CONSULTATION DIVISION  
WICHITA, KANSAS

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON 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 AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED AN ANNUAL RATE OF 18% IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY.





ORIGINAL

ORIGINAL

HALLIBURTON SERVICES CONFIDENTIAL

KCC

FEB 03

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

INVOICE

A Halliburton Company

INVOICE NO.	DATE
177968	12/07/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
LIBERAL 2-6		SEWARD		KS	ENSIGN OPERATING CO.	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
PAMPA		GILBERT/JONES		CEMENT PRODUCTION CASING		12/07/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
273943	B. J. MCGRUFF			COMPANY TRUCK	26882	

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

**RECEIVED**  
 DEC 16 1991  
 ENSIGN OIL & GAS INC.

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

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	30	MI	2.60	78.00
001-016	CEMENTING CASING	6927	FT	1,685.00	1,685.00
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	89.00	89.00
825.201					
40	CENTRALIZER 4-1/2" X 7 7/8"	1	EA	43.00	473.00
807.93004					
593	3-WIPER L-D PLUG - 4 1/2"	1	EA	159.00	159.00
801.0373					
594	4 1/2" LATCH DOWN BAFFLE	1	EA	100.00	100.00
801.03734					
504-043	PREMIUM CEMENT	360	SK	6.85	2,466.00
507-775	HALAD-322	237	LB	6.15	1,457.55
507-939	SUPER CBL	85	LB	21.50	1,827.50
508-002	POTASSIUM CHLORIDE	400	LB	.25	100.00
500-207	BULK SERVICE CHARGE	360.0	CFT	1.15	414.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	518.43	TMI	.80	414.74
504-118	HALLIBURTON LIGHT CEMENT - PREM	25	SK	6.48	162.00
500-207	BULK SERVICE CHARGE	25.0	CFT	1.15	28.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	34.59	TMI	.80	60.00MN

INVOICE SUBTOTAL

DISCOUNT-(BID)

INVOICE BID AMOUNT

\*-KANSAS STATE SALES TAX

\*-HUGOTON CITY SALES TAX

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$7,906.23

*7070*  
 CORPORATION COMM...  
 FEB 03 1992  
 Liberal 2-6  
 WICHITA, KANSAS  
*Ruaker*

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