

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

API NO. 15- 109-2 1-0000

County LOGAN

SW - NE - SW Sec. 24 Twp. 11 Rge. 34 X E W

Operator: License # 5030 ORIGINAL

Name: Vess Oil Corporation

Address 8100 E. 22nd North, Bldg. 300

City/State/Zip Wichita, Ks. 67226

Purchaser:

Operator Contact Person: W.R. Horigan

Phone (316) 682-1537

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If Workover/Reentry: Old Well Info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

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

7-14-97 7-23-97 8-14-97  
Spud Date Date Reached TD Completion Date

1650 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 S/W (circle one)

Lease Name SCHERTZ Well # 2-24

Field Name Monument South

Producing Formation LKC

Elevation: Ground 3134' KB 3139'

Total Depth 4730' PBSD 4704'

Amount of Surface Pipe Set and Cemented at 273' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set

If Alternate II completion, cement circulated from 2604'

feet depth to surface w/ 370' sx cmt.

Drilling Fluid Management Plan A17.2, 4-13-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 22000 ppm Fluid volume 400 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, 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 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 W.R. Horigan

Title Operations Manager Date 11/6/97

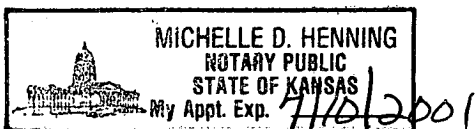
Subscribed and sworn to before me this 6th day of November, 19 97.

Notary Public Michelle D. Henning

Date Commission Expires

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)



Operator Name Vess Oil Corporation Lease Name Schertz Well # 2-24  
 County Logan  
 East  West  
 Sec. 24 Twp. 11S Rge. 34

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 ATTACHMENT SHEET  
 Dual Induction Log,  
 Micro Electrical Log,  
 Comp Density/Comp. Neutron

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum

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#	273'	50/50 Poz	197	2% Gel 3% cc
production	7 7/8"	4 1/2"	10.5	4729'	near EA-2	200	lower stage
					Midcon-2	370	uper stage

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
3	4249-4253	500 gal 10% MCA	4249-53
3	4270-4274	500 gal 10% MCA	4270-74

TUBING RECORD Size 2-3/8 Set At 4347 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 8/14/97 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	20		6		

Disposition of Gas: METHOD OF COMPLETION Production Interval

Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled 4249-53 LKC  
 Other (Specify) \_\_\_\_\_ 4270-74 LKC

ORIGINAL  
ATTACHMENT TO ACO-1

15-109-20651-00-00

15-109-20651

LEASE: Schertz #2-24  
LOC: SW NE SW Sec. 24-11S-34W  
Logan County, KS

DST #1 4235-4265 ZN I  
Times: 30-45-45-60  
Blow: 1st open-weak surf. blow  
2nd open-no blow.  
Rec: 5' Mud, few oil specks  
in tool.  
IFP: 63-63 FFP: 68-55  
ISIP: 246 FSIP: 246  
HP: 2131-2112 Temp 114 Deg.

DST #2 4266-4292 ZN J  
Times: 30-45-45-60  
Blow: 1st open-Surf. blow died  
in 20 min.  
2nd open-No blow.  
Rec: 1' Clean oil, 35 grav @ 60  
deg. F. 9' oil/gas cut mud  
(4% G, 14% O, 82% M)  
IFP: 63-55 FFP: 68-57  
ISIP: 137-96 FSIP: 96  
HP: 2137-2137 Temp 120 deg.

DST #3 4287-4309 ZN Lans/KC  
Times: 30-45-45-60  
Blow: 1st open-1/8" blow  
throughout, 2nd open-Surf  
blow throughout.  
Rec: 1' Clean oil, 36 grav, 60  
deg. F 14' VSOCWM (2% O,  
20% wtr, 78% mud.  
IFP: 68-55 FFP: 68-55  
ISIP: 1311 FSIP: 1298  
HP: 2150-2131 Temp 122 deg

DST #4 4538-4660 ZN Fort Scott/Johnson  
Times: 30-45-45-60  
Blow: 1st open-Built to 1/2"  
2nd open-No Blow.  
Rec: 25'DM w/few oil specs  
123-109 FFP: 137-123  
ISIP: 1079 FSIP: 1033  
HP: 2350-2338 Temp 126 Degrees

11-7-1997  
11-7-1997 1:02

ORIGINAL

15-109-Z0651-00-00

ATTACHMENT TO ACO-1

SAMPLE TOPS		LOG TOPS	
Anhydrite	2600	(+539)	2589 (+547)
B/Anh	2625	(+514)	2615 (+524)
Heebner	4021	(-882)	4013 (-874)
Lansing	4059	(-920)	4054 (-915)
Kansas City	4139	(-1000)	4131 (-992)
Mun. Creek	4203	(-1064)	4195 (-1056)
Stark	4289	(-1150)	4282 (-1143)
Hushpuckney	4327	(-1188)	4318 (-1179)
B/KC	4358	(-1219)	4350 (-1211)
Marmaton	4390	(-1251)	4384 (-1245)
Ft. Scott	4544	(-1405)	4537 (-1398)
Cherokee	4574	(-1435)	4567 (-1428)
Johnson	4617	(-1478)	4612 (-1473)
Miss	4690	(-1551)	4693 (-1554)
RTD	4730	(-1591)	
LTD			4724 (-1585)

2011-11-11  
11-7-1997

15-109-20651-00-00



HALLIBURTON®

HEMIIIO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046  
Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
197112	07/23/1997

WELL/LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
SCHERTZ 2-24		LOGAN		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
HAYS		L.D. DRILLING	SHOWN BELOW		07/23/1997
INVOICE NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
924842	CASEY COATS			COMPANY TRUCK	27518

ORIGINAL

RECEIVED  
 VESS OIL CORP.  
 8100 E. 22ND NORTH  
 BUILDING 300  
 WICHITA, KS 67226  
 JUL 28 1997  
 Ans'd.....

DIRECT CORRESPONDENCE TO:  
 1102 E. 8TH  
 HAYS KS 67601  
 913-625-3431

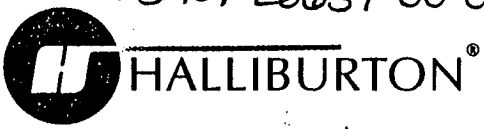
11-7-1997

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT PRODUCTION CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	140	MI	3.20	448.00
		1	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	4730	FT	2,038.00	2,038.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	1,705.00	1,705.00
		1	UNT		
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	300.00	300.00
018-315	MUD FLUSH	500	GAL.	.75	375.00
314-163	CLAYFIX II	2	GAL.	30.50	61.00
26	INSERT VALVE F. S. - 4 1/2"	1	EA	314.00	314.00
847.6316					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	52.00	52.00
815.19111					
40	CENTRALIZER 4-1/2 X 7-7/8	10	EA	56.00	560.00
806.60004					
50	CENTRALIZR-TURBO-4-1/2 X 7-7/8	1	EA	67.00	67.00
806.60104					
71	CEMENTER-TYPE P ES-4-1/2 BRD	1	EA	3,066.00	3,066.00
813.56125					
75	PLUG SET - FREE FALL - 2-STAGE	1	EA	495.00	495.00
813.16410					
66	CLAMP-LIMIT-4-1/2 HINGED	1	EA	11.30	11.30
806.72020					
320	BASKET-CMT-4 1/2 CSG X 18"OD-	2	EA	108.00	216.00
806.71415					
504-308	CEMENT - STANDARD	250	SK	10.83	2,707.50
504-280	MIDCON-2 STANDARD CEMENT	370	SK	13.53	5,006.10
509-406	ANHYDROUS CALCIUM CHLORIDE	7	SK	46.90	328.30
509-968	SALT	850	LB	.17	144.50
507-775	HALAD-322	94	LB	7.70	723.80
507-970	D-AIR 1, POWDER	50	LB	3.65	182.50

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

15-109-20651-00-00



REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046  
Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
197112	07/23/1997

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
SCHERTZ 2-24	LOGAN	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
HAYS	L.D. DRILLING	SHOWN BELOW	07/23/1997
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
924642	CASEY COATS		
SHIPPED VIA			FILE NO.
COMPANY TRUCK			27518

ORIGINAL

DIRECT CORRESPONDENCE TO:

VESS OIL CORP.  
8100 E. 22ND NORTH  
BUILDING 300  
WICHITA, KS 67226

1102 E. 8TH  
HAYS KS 67601  
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
508-127	CAL SEAL 60	9	SK	28.00	252.00
500-207	BULK SERVICE CHARGE	678	CFT	1.55	1,050.90
500-306	MILEAGE CMTG MAT DEL OR RETURN	2174.375	TMI	1.18	2,565.76
JOB PURPOSE SUBTOTAL					22,669.66
INVOICE SUBTOTAL					22,669.66
DISCOUNT- (BID)					7,621.94-
INVOICE BID AMOUNT					15,047.72
*- KANSAS STATE SALES TAX					577.74
*- HAYS CITY SALES TAX					117.91
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$15,243.37

11-7-1997  
1661-L-11

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# ALLIED CEMENTING CO., INC.

8241

Federal Tax I.D.#

15-109-20651-00-00

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: OAKLEY

ORIGINAL

DATE <u>7-14-97</u>	SEC. <u>24</u>	TWP. <u>11S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>3:45 PM</u>	JOB START <u>4:40 AM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>SCHERTZ</u>	WELL # <u>2-24</u>	LOCATION <u>MONUMENT 2W-15</u>			COUNTY <u>LOGAN</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR L.D. DRLB.

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 273'

CASING SIZE 8 5/8" DEPTH 272'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15"

PERFS. \_\_\_\_\_

DISPLACEMENT 16 1/4 BBL

OWNER SAME

CEMENT AMOUNT ORDERED 190 SKS 50/50 POZ 38CC 28.66L

COMMON	<u>95 SKS</u>	@ <u>7.20</u>	<u>684.00</u>
POZMIX	<u>95 SKS</u>	@ <u>3.15</u>	<u>299.25</u>
GEL	<u>4 SKS</u>	@ <u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>6 SKS</u>	@ <u>28.00</u>	<u>168.00</u>
		@	
		@	
		@	
		@	
HANDLING	<u>190 SKS</u>	@ <u>1.03</u>	<u>195.70</u>
MILEAGE	<u>44 per SK/mile</u>		<u>83.60</u>

EQUIPMENT

PUMP TRUCK # 191 CEMENTER TERRY HELPER DEAN

BULK TRUCK # 212 DRIVER ANDREW

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL 1,472.35

REMARKS:

RAN 6 JTS 8 5/8" CASING TO 272'  
CEMENT WITH 190 SKS 50/50 POZ 38CC 28.66L & DISPLACE

CEMENT 850 - CIRC ✓

THANK YOU

SERVICE

DEPTH OF JOB	<u>272'</u>		
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>11 miles</u>	@ <u>2.85</u>	<u>31.35</u>
PLUG	<u>8 5/8 SURFACE</u>	@	<u>45.00</u>
		@	
		@	

TOTAL 521.35

CHARGE TO: NESS OIL CORP.  
STREET 8100 E 22nd North Bldg #300  
CITY Wichita STATE Kan ZIP 67226

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Dorou J. Morgan

PRINTED NAME \_\_\_\_\_



**JOB LOG**

REGION North America	NWA/COUNTRY MEXICO	TICKET # 19 12	TICKET DATE 7-23-97
MBU ID / EMP # 114301 89277	EMPLOYEE NAME WILLIAM WILSON	BDA / STATE KANSAS	COUNTY LOGAN
LOCATION WMA 25	COMPANY VESS OIL CORP	PSL DEPARTMENT CEMENT	CUSTOMER REP / PHONE
TICKET AMOUNT 22652.66	WELL TYPE OI	API / UWI # 15109206510000	JOB PURPOSE CODE 035
WELL LOCATION WMA 25	DEPARTMENT CEMENT	SEC / TWP / RANG 24-11S-24W	
LEASE / WELL # SHERATZ 2-24			

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
WILSON	89277						
WILSON	89277						
WILSON	89277						

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1900							CALLD OUT
	0200							ON LOCATION - DISCUSS JOB PROCEDURE
	0830							DROP BALL - BREAK CIRCULATION - ROTATE CASING
1	0931	6	12			300		PUMP MUDFLUSH
	0933	6	20			300		PUMP CEMENT
	0940	6	59.7			250		MAX CEMENT
	0950							WASH OUT PUMP - LINES
	0952							DROP 1 <sup>ST</sup> STAGE PLUG
	0958	6 1/2	0			600		RESPUSE PLUG (32.9 H2O - 42 MUD)
	1011		74.9			1100		PLUG DOWN (SHUT DOWN ROTATE 65 DEG)
	1012							OK RELEASE PST- HELD
	1014							DROP DV OPERATING PLUG - LOAD DV CLOSING PLUG
	1028					900		OPER DV TOOL
	1030							CIRCULATE WELL - MUD PUMP
	0937							PLUG RETURN - 15 SKS NEAT CEMENT
	1115	5	10			200		PUMP WATER SPACER
	1117	7	292.7			200		MAX CEMENT
	1142							WASH OUT PUMP - LINES
	1143							RELEASE 2 <sup>ND</sup> STAGE PLUG
	1145	6	0					RESPUSE PLUG
	1157		41.5			1200		PLUG DOWN - SET UP CLOSE DV TOOL
	1158							OK RELEASE PST- HELD
								CIRCULATE 20 SKS CEMENT TO P.T.
								WASH-UP
								RACK-UP
	1330							JOB COMPLETE

THANK YOU

WILSON, DAVE, LYELL, BEN





JOB SUMMARY 4239-1

REGION North America	NWA/COUNTRY MEX COASTWEST	TICKET # 19012	TICKET DATE 7-23-97
MBU ID / EMP # HASIC1 89377	EMPLOYEE NAME WAYNE WELSON	BDA / STATE KANSAS	COUNTY LOGAN
LOCATION HAYS, KS	COMPANY VESS OIL CORP.	PSL DEPARTMENT CEMENT	CUSTOMER REP / PHONE
TICKET AMOUNT 2262.65	WELL TYPE O!	API / UWI # 1510920651 0000	JOB PURPOSE CODE 035
WELL LOCATION W/ MONUMENT, KS	DEPARTMENT CEMENT		
LEASE / WELL # SCHERTZ 2-24	SEC / TWP / RNG 24-11s-34w		

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
WELSON	89377						
ASH	E1609						
LEDER	H6872						
CHATTMAN	H7504						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420995	PO						
53293m	PTAR						
51252-76103	BULK						
4444-5070	BULK						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	7-22	7-23	7-23	7-23
TIME	1900	0200	0830	1330

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float collar CS6 SWEVEL	1	HOLCO
Float Shoe	1	HOLCO
Guide Shoe F2L UP	1	"
Centralizers S-4 #7080	10	HOLCO
Bottom Plug CLAMP	1	"
Top Plug PLUG SET	1	"
Head PC	1	"
Packer OUT TOOL	1	"
Other BASKETS	2	"

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	10.5	4 1/2	KB	4736	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7'18"	4736	4737	SHOTS/FT.
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
7-23	11.2	7-23	2	CEMENT 2-STAGE 4 1/2"
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED	Avail.	Used
<b>TREATED</b>	<b>AVERAGE RATES IN BPM</b>	<b>Overall</b>
	Disp.	
<b>FEET 21.96'</b>	<b>CEMENT LEFT IN PIPE</b>	<b>Reason</b>
		BAFFLE

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1 <sup>st</sup>	50	STANDARD	8	SCANDIUM	1.18	15.6
2 <sup>nd</sup>	200	EA-2	8	5% CASICAL, 10% SALT, 12% HALAD-322, 1/4# D-AR2	1.38	15.18
2 <sup>nd</sup>	335	MED CO II	8	2% CC	3.20	11.1
2 <sup>nd</sup>	35	MED CO II	8	2% CC	1.90	13.8

Circulating _____	Displacement _____	Preflush: Gal (BBL) 12/20	Type: MUDFLUSH / CEMENT
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBL	Pad: BBL Gal
Average _____	Frac Gradient _____	Treatment Gal - BBL	Disp: (BBL) Gal 79.9/47.5
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBL 59.7 / 202.7	
		Total Volume Gal - BBL	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
**THE INFORMATION STATED HEREIN IS CORRECT** CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_



TICKET CONTINUATION

15-109-20651-00-00 FIELD COPY

TICKET No. 197112

HALLIBURTON ENERGY SERVICES

CUSTOMER *Vess Oil Corp*

WELL *Sch. T2 #224*

DATE *7-22-97*

PAGE 3 OF 13

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	BF							
<i>504-308</i>					<i>Standard Cement</i>	<i>250</i>	<i>SK</i>			<i>10.93</i>	<i>2747.50</i>
<i>504-250</i>					<i>Mud Can II</i>	<i>370</i>	<i>SK</i>			<i>13.53</i>	<i>5006.10</i>
<i>509-406</i>					<i>Calcium Chloride</i>	<i>7</i>	<i>SK</i>			<i>46.90</i>	<i>328.30</i>
<i>509-968</i>					<i>SALT</i>	<i>850</i>	<i>lb</i>			<i>15</i>	<i>127.50</i>
<i>507-775</i>					<i>Weld-322</i>	<i>94</i>	<i>lb</i>			<i>7.76</i>	<i>723.80</i>
<i>507-970</i>					<i>D. Air-1</i>	<i>50</i>	<i>lb</i>			<i>36.5</i>	<i>1825.00</i>
<i>508-127</i>					<i>Cut Seal</i>	<i>9</i>				<i>2860</i>	<i>252100</i>
<i>500-307</i>					SERVICE CHARGE						
<i>500-306</i>											
						CUBIC FEET					
						MILEAGE CHARGE		TOTAL WEIGHT		LOADED MILES	
								<i>62,125</i>		<i>70</i>	
						TON MILES					
								<i>678</i>		<i>1.55</i>	
								<i>2,174.375</i>		<i>2265.76</i>	

CONTINUATION TOTAL *12944.36*

No. B 339247

0008  
VESSE OIL CORPORATION  
04/13/98 MON 13:58 FAX 3186863521



TICKET CONTINUATION

FIELD COPY

15-109-20051-00-00

TICKET No. 199112

Halliburton Energy Services

CUSTOMER: VESS OIL CORP WELL: 2-24 SCHWARTZ DATE: 7-23-97 PAGE 2 OF 3

FORM 1911-M

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
			LOC	ACCT	DF							
	bb	800.72020	1			EAS GRP CORR	1	EA	47.0		11.30	11.30
	310	800.71118	1			ROBOTS	2	EA			108.00	216.00
SERVICE CHARGE						CUBIC FEET						
			MILEAGE CHARGE		TOTAL WEIGHT		LOADED MILES		TCN MILES			

No. B 410286

CONTINUATION TOTAL 227.30

004  
04/13/98 MON 13:55 FAX 3166863521 VESS OIL CORPORATION

005



HALLIBURTON ENERGY SERVICES  
HAL-1905-P

CHARGE TO:  
Vess Oil Corp  
ADDRESS:  
CITY, STATE, ZIP CODE:

CUSTOMER COPY  
15-109-20651-00-00  
No. 197112-3  
TICKET

PAGE 1 OF 3

1. SERVICE LOCATIONS HA, VA	WELL-PROJECT NO. 2-24	LEASE SCHWIZ	COUNTY-PARISH LOGAN	STATE KS	CITY-OFFSHORE LOCATION LORDSBURG	DATE 7-22-93	OWNER SAME
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	INT. JOBEN IMP? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR J. D. DeWitt	RIG NAME NO #2	SHIPPED VIA C323	DELIVERED TO	CRD/ENG	
3. WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO 15109206510000	WELL LOCATION 24-115-34W			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	OF		UM	UM			
000-117		1			MILEAGE	2TM	140 ME	1 UNIT	3.20	448.00
007-013	001-016	1			PUMP SERVICE - 1ST STAGE		4130 FT	6 HRS	2038.00	2038.00
007-161		1			PUMP SERVICE - 2ND STAGE		2601 FT	6 HRS	1705.00	1705.00
014-244		1			ROTATING HEAD		1 JOB		300.00	300.00
018-315		1			MUDFLUSH		500 GA		75	375.00
214-163		1			CAPTOP AT		2 GAL		30.50	61.00
26	847.6316	1			FLOAT SHOE - VALVE TYPE		1 EA	414	314.00	314.00
27	815.19111	1			AUTO FILL UP UNIT		1 EA		52.00	52.00
40	806.60004	1			CONTROLERS - 54 - REGULAR		10 EA		56.00	560.00
50	806.60104	1			CONTROLERS - TURBO		1 EA		67.00	67.00
71	813.50125	1			EL TYPE P MULTI-STAGE COMPACT		1 EA		3066.00	3066.00
75	812.14410	1			FREEL FALL PUMP SET		1 EA		495.00	495.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *[Signature]*  
DATE SIGNED: 7-23-93  
TIME SIGNED: 0600  
AM  PM

do  do not require IPC (Instrument Protection)  not offered

SUB SURFACE SAFETY VALVE WAS  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK: \_\_\_\_\_ DEPTH: \_\_\_\_\_

BEAN SIZE: \_\_\_\_\_ SPACERS: \_\_\_\_\_

TYPE OF EQUALIZING SUB.: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_

TUBING SIZE: \_\_\_\_\_ TUBING PRESSURE: \_\_\_\_\_ WELL DEPTH: \_\_\_\_\_

TREE CONNECTION: \_\_\_\_\_ TYPE VALVE: \_\_\_\_\_

SURVEY

AGREE  UN-DECIDED  DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
WE UNDERSTOOD AND MET YOUR NEEDS?  
OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	9481.00
FROM CONTINUATION PAGE(S)	227.30
SUB-TOTAL	12944.36
APPLICABLE TAXES WILL BE ADDED ON INVOICE	22652.66

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): *[Signature]* CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): X *[Signature]* HALLIBURTON OPERATOR/ENGINEER: WARRIE WILSON EMP #: 89277 HALLIBURTON APPROVAL:

VESS OIL CORPORATION

04/13/98 MON 13:55 FAX 3186863521