

ORIGINAL

SIDE ONE

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

API NO. 15- 007-22,362-00-00
County Barber ✓
App: G-SE/4 ✓ Sec. 32 Twp. 34S Rge. 13 East West
1220 ✓ Ft. North from Southeast Corner of Section
1320 ✓ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Driftwood ✓ Well # 2-32
Field Name Aetna
Producing Formation Mississippi
Elevation: Ground 1633 KB 1641
Total Depth 5150 PBDT 5104

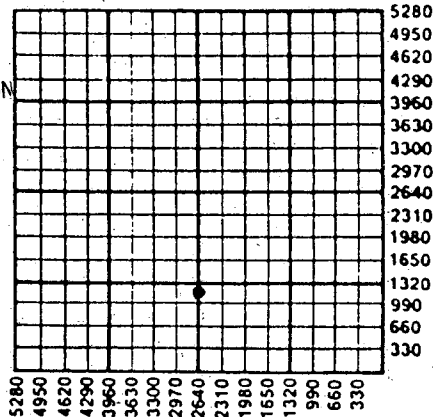
Operator: License # 5988
Name: HALLIBURTON OIL PRODUCING CO.
Address 525 Central Park Drive
Central Park I, Suite 210
City/State/Zip Oklahoma City, Ok. 73105
Purchaser: _____
Operator Contact Person: Jim Richardson
Phone (405) 525-3371

Contractor: Name: DUKE DRILLING CO., INC.
License: 5929
Wellsite Geologist: William A. Sladek

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd. Wichita, Kansas
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
4/24/91 5/3/91 5-21-91
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 308 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 308
feet depth to Surface w/ 200 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Tom Canoll
Title Operations Manager Date 5-28-91
Subscribed and sworn to before me this 31st day of May, 1991.
Notary Public Julie A. Washam
Date Commission Expires May 12, 1992

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

SIDE TWO

Operator Name HALLIBURTON OIL PRODUCING COMPANY Lease Name DRIFTWOOD Well # 2-32

Sec. 32 Twp. 34S Rge. 13 East West County Barber

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) DST #1 4825-4890' BHT: 122°F IHP: 2403# Rec: 80' GCM IF: 60 min.-73# to 73# ISIP: 69 min.-1149# FF: 120 min.-124# to 54# FSIP: 132 min.-1412# Not Static FHP: 2391# Flow 6.5 MCFGPD	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">Formation Description</th> </tr> <tr> <td></td> <td align="center"><input checked="" type="checkbox"/> Log</td> <td align="center"><input type="checkbox"/> Sample</td> </tr> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> <tr> <td>Neva Lm</td> <td align="center">2764</td> <td align="center">2811</td> </tr> <tr> <td>Elgin Sd</td> <td align="center">3821</td> <td align="center">3830</td> </tr> <tr> <td>Heebner Sh</td> <td align="center">4029</td> <td align="center">4044</td> </tr> <tr> <td>Douglas Sh</td> <td align="center">4092</td> <td align="center">4149</td> </tr> <tr> <td>Lansing Lm</td> <td align="center">4210</td> <td align="center">4426</td> </tr> <tr> <td>Stark Sh</td> <td align="center">4658</td> <td align="center">4662</td> </tr> <tr> <td>Base KC Lm</td> <td align="center">4741</td> <td align="center">4741</td> </tr> <tr> <td>Mississippian</td> <td align="center">4844</td> <td align="center">5150</td> </tr> <tr> <td>TD</td> <td align="center">5150</td> <td></td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Neva Lm	2764	2811	Elgin Sd	3821	3830	Heebner Sh	4029	4044	Douglas Sh	4092	4149	Lansing Lm	4210	4426	Stark Sh	4658	4662	Base KC Lm	4741	4741	Mississippian	4844	5150	TD	5150	
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CASING RECORD <input type="checkbox"/> New <input checked="" 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	12-3/4"	8-5/8"	24#	308'	60/40 Poz.	200	2% gel, 3% cc
Production	7-7/8"	5 1/2"	15#	5149'	50/50 Poz.	175	18% salt, .75% Halad 322, 10# Gil. per sack

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	4970'-5100'	Squeeze w/75 sx Poz + 25	
2	4846'-4884'	sx Regular, 2500 gals.	4846-84
		Acid, Frac w/128 tons	
		CO2, 15,000# 100 mesh sd	
		129,000# 16/30 sand &	
		1000 bbls. gelled fresh water	

TUBING RECORD			
Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8"	4815'	None	

Date of First Production	Producing Method
5-21-91	<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 Show	Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
			1700	0	---	

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval 4846'-4884'

ORIGINAL

DRILLER'S WELL LOG

DRIFTWOOD #2-32
C-SE/4 32-34S-13W
Barber County, Kansas

HALLIBURTON OIL PRODUCING COMPANY

COMMENCED: April 24, 1991
COMPLETED: May 4, 1991

0'	-	311'	Surface Soil
311'	-	1122'	Shale
1122'	-	1920'	Shale
1920'	-	2427'	Shale
2427'	-	2800'	Shale
2800'	-	3600'	Shale and Lime
3600'	-	4135'	Shale and Lime
4135'	-	4770'	Lime and Shale
4770'	-	5150'	Lime and Shale
		5150'	RTD

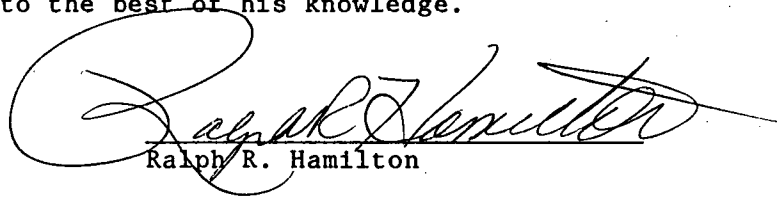
SURFACE CASING: Set 7 jts. 8-5/8" 23# at 308. Cemented with 200 sacks 60/40 Pozmix, 2% gel, 3% cc.

PRODUCTION CASING: Set 127 jts. 5 1/2" 15# at 5149'. Cemented with 175 sacks 50/50 Pozmix, 18% salt .75% Halad 322, 10# Gilsonite per sack.

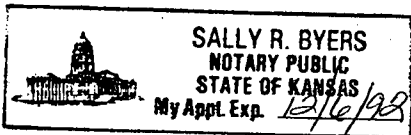
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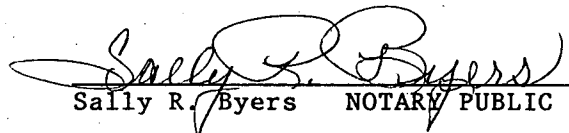
STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

Ralph R. Hamilton, of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.


Ralph R. Hamilton

Subscribed and sworn to me this 16th day of May, 1991.




Sally R. Byers NOTARY PUBLIC

My Commission Expires: December 6, 1992.

RECEIVED
STATE CORPORATION COMMISSION

JUN 07 1991

CONSERVATION DIVISION
Wichita, Kansas

HALLIBURTON SERVICES

A Division of Halliburton Company

TICKET

ORIGINAL NO 097521-6

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 2-32 DRISTWOOD		COUNTY BARBER	STATE KS	CITY / OFFSHORE LOCATION	DATE 4-24-91
CHARGE TO HALLIBURTON OIL PRODUCERS		OWNER Sunc	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR TRANS Pac DRILLING	LOCATION 1 PLATT KS	CODE 25558	
CITY, STATE, ZIP		SHIPPED VIA 50120	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 ST BEANS KS	CODE 25520
WELL TYPE G1	WELL CATEGORY O1	WELL PERMIT NO.	DELIVERED TO HCC	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB O10		B-918145	ORDER NO.	REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. 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. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE	40	MILES	1	TRK	2.60	104.00
001-016		1		PUMP CHARGE	311	FT	8	WKS		565.00
030-503		1		TOP PLUG CPI	1	EA	8	1/2 IN		90.00
16 A	830-2171	1		COUPLER SHOE	1	EA	8	1/2 IN		161.00
597	825-1269	1		SAFETY PLATE	1	EA	8	1/2 IN		45.00
40	801-93059	1		CENTRIZER	1	EA	8	1/2 IN		62.00
30	800-8888	1		CENTR BASKET	1	EA	8	1/2 IN		122.00

THIS IS AN INVOICE

NOT

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STATE CORPORATION COMMISSION
JUN 07 1991
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-918145 1525-05

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X CUSTOMER OR HIS AGENT (PLEASE PRINT)

X CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL 2624.05

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

DISTRICT DRAM KS DATE 4-24-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: HALLIBURTON OIL PRODUCERS (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 2-30 LEASE DRIFTWOOD SEC. _____ TWP. _____ RANGE _____
FIELD _____ COUNTY BARBER STATE KS OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 311 MUD WEIGHT _____
BORE HOLE 12 1/4
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>20"</u>	<u>8 5/8</u>	<u>KD</u>	<u>308</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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JUN 07 1991

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____ CONSERVATION DIVISION Wichita, Kansas

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
CEMENT SURFACE CS6 w/ 200 SKS 40/60 PZ 290 GEL, 390 CC

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are 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 attorneys 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.
 - b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
 - c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER
DATE 4-24-91

TIME _____ A.M. P.M.

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Bullard STATE K5

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 311

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-24</u>	DATE <u>4-24</u>	DATE <u>4-24</u>	DATE <u>4-24</u>
TIME <u>1400</u>	TIME <u>1745</u>	TIME <u>2144</u>	TIME <u>2200</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
ROOST SHOE <u>3 1/2"</u>	<u>1</u>	<u>"</u>
GUIDE SHOE <u>3 1/2"</u>	<u>1</u>	<u>Hanna</u>
CENTRALIZERS <u>5-11</u>	<u>"</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>3 1/2"</u>	<u>1</u>	<u>"</u>
HEAD <u>P.C.</u>		
PACKER		
OTHER <u>3 1/2"</u>	<u>"</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL.-API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL.-API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Bigler</u>	<u>C1690</u>	<u>Patt K5</u>
<u>C. Touchstone</u>	<u>E1344</u>	<u>Patt K5</u>
<u>D. Ramsey</u>	<u>B2824</u>	<u>Grandy K5</u>
<u>S. Pell</u>	<u>E0303</u>	<u>Grandy K5</u>

DEPARTMENT Cement

DESCRIPTION OF JOB Cement 8 1/2" Surface Casing

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Doug Bigler

HALLIBURTON OPERATOR Doug Bigler COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>40</u>	<u>40 lbs Per</u>	<u>Hanna</u>	<u>3</u>	<u>27.65</u>	<u>14.31</u>

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CONSERVATION DIVISION
Wichita, Kansas

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL. 3 TYPE H2O

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL. 17.5

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL. 45.2 BALS

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL.-GAL. _____

TREATING _____ DISPL. _____ OVERALL _____ REMARKS SEE Job Log

FEET 41 REASON Surface Casing Thanks Doug

CUSTOMER Halliburton OK
LEASE 1
WELL NO. 2-32
JOB TYPE 2 1/2" Surface Casing
DATE 4-24-91

JOB LOG

FORM 2013 R-2

WELL NO. 2-32 LEASE District 1000 TICKET NO. 097521
 CUSTOMER Hamilton Oil Producers PAGE NO. 1 ORIGINAL
 JOB TYPE 8 7/8 Surface DATE 4-21-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							Call out Ready @ 1800
	1945							on loc. set up Rig cutting 12 1/4" Hole HOLE MADE - Pull out Drill Pipe Start 8 7/8 Surface casing to Hole Casing to Hole - Hook to Rig mud Pump Break circulation - Finish circulation Hook to Howco (Cement as follows): Pump H ₂ O Spill
	2030							
	2125							
	2135							
	2142							
	2144	5.0	3.0				200	
	2145	5.6	0				300	Start mixing cement
	2153	5.6	45.2				300	Finish mixing cement Release Plug
	2156	4.3	0				200	Start Displacement
	2200	4.3	17.5				200	Plug Down JOB COMPLETE
								Thank you Call again Doug

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JUN 07 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL



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

INVOICE

HALLIBURTON SERVICES

ORIGINAL

117250

A Halliburton Company

INVOICE NO:	DATE:
097571	04/24/1991

WELL/LEASE NO./PLANT NAME:		WELL/PLANT LOCATION:		STATE:	WELL/PLANT OWNER:
DRIFTWOOD 2-32		BARBER		KS	SAME
SERVICE LOCATION:		CONTRACTOR:	JOB PURPOSE:		TICKET DATE:
PRATT		TRANS PAC DRILLING	CEMENT SURFACE CASING		04/24/1991
ACCT NO:	CUSTOMER AGENT:	VENDOR NO:	CUSTOMER P.O. NUMBER:	SHIPPED VIA:	FILE NO:
355335	GARY PUGH			COMPANY TRUCK	14286

HALLIBURTON OIL PRODUCING CO.
 525 CENTRAL PARK DRIVE
 CENTRAL PARK I, SUITE 210
 OKLAHOMA CITY, OK 73105

14

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
000-117	PRICING AREA - MID CONTINENT MILEAGE	40	MI	2.60	104.00
001-016	CEMENTING CASING	1	UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	311	FT	515.00	515.00
16A	CASING SHOE - 8 5/8" 8RD THD.	1	UNT		
830.2171		8 5/8	IN	90.00	90.00
597	BAFFLE PLATE - 8 5/8"	1	EA	161.00	161.00
825.1269		1	EA	45.00	45.00
40	CENTRALIZER 8-5/8" MODEL S-4	1	EA	62.00	62.00
807.93059		1	EA	122.00	122.00
320	CEMENT BASKET 8 5/8"	120	SK	5.35	642.00
800.8888		80	SK	2.79	223.20
504-308	STANDARD CEMENT	3	SK	.00	N/C
506-105	POZMIX A	5	SK	26.25	131.25
506-121	HALLIBURTON-GEL 2%	210	CFT	1.15	241.50
509-406	ANHYDROUS CALCIUM CHLORIDE	358.88	TMI	.80	287.10
500-207	BULK SERVICE CHARGE				
500-306	MILEAGE CMTG MAT DEL OR RETURN				

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 07 1991
 CONSERVATION DIVISION
 Wichita, Kansas

INVOICE SUBTOTAL

2,624.05

DISCOUNT-(BID)
INVOICE BID AMOUNT

472.31-
2,151.74

*-KANSAS STATE SALES TAX
*-PRATT COUNTY SALES TAX

66.74
15.70

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

302-42
130002-3

2,234.18

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 COLLECT ON BEHALF OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND

14

(10)

DRILLER'S WELL LOG

DRIFTWOOD #2-32
C-SE/4 32-34S-13W
Barber County, Kansas

HALLIBURTON OIL PRODUCING COMPANY

K C C

COMMENCED: April 24, 1991
COMPLETED: May 4, 1991

0'	-	311'	Surface Soil	MAY 21 1991
311'	-	1122'	Shale	
1122'	-	1920'	Shale	
1920'	-	2427'	Shale	
2427'	-	2800'	Shale	
2800'	-	3600'	Shale and Lime	
3600'	-	4135'	Shale and Lime	
4135'	-	4770'	Lime and Shale	
4770'	-	5150'	Lime and Shale	
		5150'	RTD	

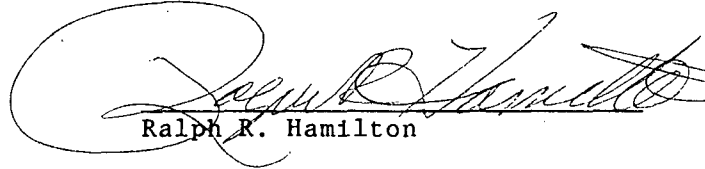
SURFACE CASING: Set 7 jts. 8-5/8" 23# at 308. Cemented with 200 sacks 60/40 Pozmix, 2% gel, 3% cc.

PRODUCTION CASING: Set 127 jts. 5 1/2" 15# at 5149'. Cemented with 175 sacks 50/50 Pozmix, 18% salt .75% Halad 322, 10# Gilsonite per sack.

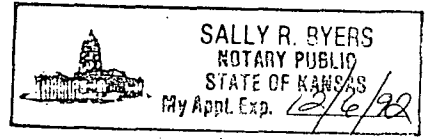
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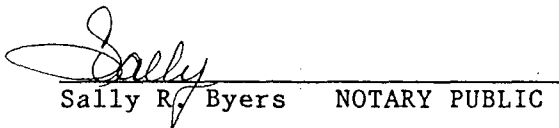
STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

Ralph R. Hamilton, of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.


Ralph R. Hamilton

Subscribed and sworn to me this 16th day of May, 1991.


SALLY R. BYERS
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 12/6/92


Sally R. Byers NOTARY PUBLIC

My Commission Expires: December 6, 1992

RECEIVED
STATE CORPORATION COMMISSION

MAY 20 1991

CONSERVATION DIVISION
Wichita, Kansas

15-007-22, 362-00-00