

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

Operator: License # 5848

Name: Herman Lang Oil & Gas Co.

Address 70 North Farmland Road

City/State/Zip Garden City, Kansas 67846

Purchaser: to be determined

Operator Contact Person: Ron Osterbuhr

Phone (316), 275-7888

Contractor: Name: Red Tiger Drilling

License: 5302

Wellsite Geologist: R.G. Osterbuhr

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIDW 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. _____

05/30/92 06/03/92 07/15/92
Spud Date Date Reached TD Completion Date

API NO. 15- 055-21,103-0000

County Finney

NW-SE-NE-SW Sec. 34 Twp. 24S Rge. 31W E
W

1750 Feet from (S)N (circle one) Line of Section

3130 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 Garden City "A" Well # 3

Field Name Hugoton-infill

Producing Formation Chase Group

Elevation: Ground 2870' KB 2875'

Total Depth 2725' PBDT 2723'

Amount of Surface Pipe Set and Cemented at 737 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2725'

feet depth to surface w/ 385 ex cnt.

Drilling Fluid Management Plan ACT 1 9-10-92
(Data must be collected from the Reserve Pit)

Chloride content 32,000 ppm Fluid volume 1270 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 Ronald Osterbuhr

Title Agent Date 07/20/92

Subscribed and sworn to before me this 20th day of July 1992.

Notary Public Sharon Brandenburg

Date Commission Expires 4-11-96

SHARON BRANDENBURG
Notary Public - State of Kansas
My Appt. Expires 4-11-96

7-21-92
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD NGPA
 KGS Plug
21 1992
STATE CORPORATION COMMISSION
KANSAS
SHARON BRANDENBURG
Notary Public

SIDE TWO

Operator Name Herman Lang Oil & Gas Lease Name Garden City "A" Well # 3
 Sec. 34 Twp. 24S Rge. 31W East County Finney
 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	T/Permian	945'	+1930'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	T/Blaine	1285'	+1590'
List All E.Logs Run:		T/Cedar Hills	1458'	+1417'
<u>cased-hole log only; gamma-ray/bond</u>		B/Stone Corral	1980'	+ 895'
		T/Chase Group	2628'	+ 247'

CASING RECORD <input checked="" 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 1/4"	8 5/8"	24# new	737'	Lite/Prem.	190/150	2% CC
production	8 7/8"	5 1/2"	17# used	2725'	Lite/Prem	260/125	10% salt

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	2690'-2698'; 2664'-2674'	1000 gal 15% HCl; 18,000 gal gelled water, 15,000# 20-40 sand.	

TUBING RECORD Size 2.375" Set At 2710' Packer At NA Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. waiting on test Producing Method Flowing Pumping Gas Lift Other (Explain)

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 Op. X perf Dually Comp. Commingled Production Interval 2664'-98'

ORIGINAL

STACH TO INVOICE TICKET NO. 216824

DISTRICT Liberal

DATE 5-31-92

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Heemen Leary D. I. & Gas (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. A-3 LEASE Garden City SEC. 34 TWP. 24 RANGE 31w
 FIELD Garden City COUNTY Finney STATE KS OWNED BY Some

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 PACKER: TYPE _____ SET AT _____
 TOTAL DEPTH 237 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>24</u>	<u>8 7/8</u>	<u>K.B.</u>	<u>237</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>K.B.</u>	<u>237</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
 cement 8 7/8" Surface casing w/ 140 SKS HHC 11 w/ 2 1/2 C.C. & 1/4 1/2k Floccle & 150 SKS Premium
 Also w/ 2 1/2 C.C. Displace Slurries Top Plug to H1 before w/ 44 665 Fresh water.

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**
- 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.
 - 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:
 - 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.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 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.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section (b) and Section (c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections (b) and (c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - 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.
 - 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 all cases 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, interest punitive or consequential damages.
 - 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 out returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - 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 THE TERMS AND CONDITIONS OF THIS CONTRACT AND I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
 SIGNED [Signature] CUSTOMER
 DATE 5-31-92
 TIME 01:00 (M) P.M.
 RECEIVED CONSERVATION COMMISSION
 JUL 21 1992
 CONSERVATION DIVISION
 Wichita, Kansas

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.

CUSTOMER

15-055-21103-0000

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>A-3 Guder City</i>		COUNTY <i>Finney</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>5-21-92</i>
CHARGE TO <i>Hercules Long Oil & Gas</i>		CONTRACT NO. <i>Scmp</i>	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 <i>Hercules Long Oil & Gas</i>		CONTRACTOR <i>Red Tiger #10</i>	LOCATION <i>1 Liberal</i>		CODE <i>52255410</i>
CITY, STATE, ZIP		SHIPPED VIA <i>Co. Tank</i>	FREIGHT CHARGES <input type="checkbox"/> FWD <input type="checkbox"/> COLLECT		LOCATION <i>2 Houston</i>
WELL TYPE <i>Oil</i>	WELL CATEGORY <i>Oil</i>	WELL PERMIT NO.	DELIVERED TO <i>Location</i>		LOCATION <i>3</i>
TYPE AND PURPOSE OF JOB <i>Oil</i>		ORDER NO. B-969353	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 list, business 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				MILEAGE <i>75324</i>	1	mi	45	m.	260	117	00
001-016				Pump Charge	8	hr	737	ft		640	00
01-015				Halliburton ORIGINAL (1) <i>MS92</i>	3	hr	737	ft	170 ⁰⁰	540	00
030-018				Stripper Top Plug	1	ea	8 3/4	in		130	00
<i>16A</i>	<i>230 2191</i>			Guide Shoe (TX)	1	ea	8 3/4	in		161	00
<i>40</i>	<i>907.93059</i>			Centralizer	1	ea	8 3/4	in		62	00
<i>597</i>	<i>225.1269</i>			Alum Bottle	1	ea	8 3/4	in		45	00

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-969353

RECEIVED
STATE CORPORATION COMMISSION

WAS JOB SATISFACTORILY COMPLETED? YES

WAS OPERATION OF EQUIPMENT SATISFACTORY? YES

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? YES

X *Ron Osterhuber*
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X *Ron Osterhuber*
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.

STATE CORPORATION COMMISSION

HALLIBURTON APPROVAL

CUSTOMER

JUL 21 1992

SUB TOTAL
CONSERVATION TAXES WILL BE ADDED ON INVOICE.



HALLIBURTON SERVICES
SINCE 1901

A Division of Halliburton Company

BULK MATERIALS DELIVERY AND ORIGINAL TICKET CONTINUATION

15-055-21103-0000

FOR INVOICE AND
2110824

DATE 6-30-92	CUSTOMER ORDER NO.	WELL NO. AND FARM Garden City A-2	COUNTY Finney	STATE Kansas
CHARGE TO H. I. Inc.		OWNER Same	CONTRACTOR Red Tiger #10	No. B 969353
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO E/ Garden City	TRUCK NO. 4444-6610	RECEIVED BY R. [Signature]

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
504-050	516/00265	2	B	Premium Plus Cement	150	sk			8.19	1228	50	
504-120		2	B	Halliburton Light Cement	190	sk			7.35	1396	50	
507-210	890.50071	2	B	Flocele B/.25#W/ 190	48	lb			1.30	62	40	
509-406	890.50812	2	B	Calcium Chloride B/2%W/ 340	6	sk			26.50	159	00	
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET			
500-207		2	B	SERVICE CHARGE			CU. FEET 355		1.15	RECEIVED 408 25		
500- 202 306		2	B	Mileage Charge	32,160 TOTAL WEIGHT		45 LOADED MILES		723.6 TON MILES	.80	JUL 5 1992	
No. B969353				CARRY FORWARD TO INVOICE					SUB-TOTAL		UN DIVISION Kansas	

THIS IS NOT AN ORIGINAL

CUSTOMER

WELL DATA

FIELD: Clinton City SEC: 34 TWP: 24 RNS: 111 COUNTY: Franklin STATE: MO

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: _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	24	8 1/2	11.3	937	
TUBING						
OPEN MOLE			2 1/2	11.3	937	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		14
FLOAT SHOE		0
GUIDE SHOE <u>TX</u>	1	W
CENTRALIZERS	1	K
BOTTOM PLUG		H 0
TOP PLUG	1	0
HEAD	1	W
PACKER		C
OTHER <u>Al B. G. 1c</u>	1	0

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-30-92</u>	DATE <u>5-30-92</u>	DATE <u>5-31-92</u>	DATE <u>5-31-92</u>
TIME <u>07:00</u>	TIME <u>09:30</u>	TIME <u>07:00</u>	TIME <u>09:45</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D Taylor</u>	<u>4004K</u>	<u>L. 600.1</u>
<u>L. Williams</u>	<u>52027</u>	<u>L. 600.1</u>
<u>C. G. 1c</u>	<u>25324</u>	<u>L. 600.1</u>
<u>S. Taylor</u>	<u>4444</u>	<u>H. 100.1</u>
<u>E. O. 568</u>	<u>6610</u>	<u>H. 100.1</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. _____ IN.

PERFAC BALLS TYPE _____ QTY. _____

OTHER _____

DEPARTMENT: Clinton City

DESCRIPTION OF JOB: Clinton City

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE: X Tom O'Connell

HALLIBURTON OPERATOR: R Taylor

COPIES REQUESTED: _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL.
1	140	HCC 10	C	B	2% C.C. 2% P1 Electric	2.16	12.3
2	150	Prem P10	C	B	2% C.C.	1.23	14.2

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET: 11100 REASON: Shut In

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL. _____ TYPE _____

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

TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. 44

CEMENT SLURRY BBL-GAL. 2.39

TOTAL VOLUME: BBL-GAL. 149

REMARKS

See Job Log

RECEIVED
STATE CORPORATION COMMISSION
JUL 21 1992
CONSERVATION DIVISION
Wichita, Kansas

JOB LOG

W. NO. A 3 LEASE Garden City TICKET NO. 216829
 CUSTOMER Herman Long Oil & Gas PAGE NO. 1
 JOB TYPE 8 1/2 Surface DATE 5/1/92

ORIGINAL

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	07:00							Called Out
	07:30							ON location, rig drilling
	06:55							Start Csg. In hole
	08:05							Csg. In hole Hook up Handline
	08:25							Hook to cement line
	08:28	5			2	250		Start Job w/ 170sk: HCC 4" on 10 1/2"
	08:42	5	70		2	200		Pump to least 150sk @ 14"
	08:49	0	35		0	0		Shut Down Density Plug
	08:53	5	-		2	0		Displace "cut to surface"
	09:00	2	55		1	50		Slow Rate
	09:05	0	44		0	200		Plug Down
	09:08					400		CLOSE T.J. Head -
	09:30							TRK'S RELEASED
								Cut To Surface
								and Returns
								15-055-21103-0000
								Thank you for calling Halliburton
								<i>[Signature]</i>

RECEIVED
 STATE CORPORATION COMMISSION

JUL 21 1992

CUSTOMER

CONSERVATION DIVISION
 Wichita, Kansas



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

15-055-21103-0000

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO.

#216744

DISTRICT Liberal Ks

DATE 6-3-92

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

WELL NO. # A-3 LEASE GARDEN CITY W.E. SEC. 34 TWP. 24S RANGE 31W

FIELD COUNTY Finney STATE Ks. OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

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

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
1. To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list...
2. To defend, indemnify, release and hold harmless Halliburton, its division, subsidiaries, parent and affiliated companies...
3. That because of the uncertainty of variable well conditions and the necessity of relying on facts and reports...
4. That Halliburton warrants only, title to the products, supplies and materials and that the same are free from defects...
5. That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments...
6. To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act...
7. That this contract shall be governed by the law of the state where services are performed or materials are furnished...
8. That Halliburton shall not be bound by any changes or modifications in this contract...

SIGNED [Signature] RECEIVED
DATE 6-3-92
TATE CORPORATION COMMISSION

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.

CUSTOMER

JUL 2 1 1992

FORM 1906 R-11

15-055-21103-0000

WELL NO. - FARM OR LEASE NAME H-3 GARDEN C. + J. I.O.E.		COUNTY FINNEY	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 6-8-92
CHARGE TO HJT INC.		OWNER SAMA	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 Red Tiger R. #10	LOCATION 1 Liberal, Ks.		CODE 25040
CITY, STATE, ZIP		SHIPPED VIA HOWCO	FREIGHT CHARGES <input type="checkbox"/> FFD <input type="checkbox"/> COLLECT	LOCATION 2 Hugoton, Ks.	
WELL TYPE C2		WELL CATEGORY O1	WELL PERMIT NO.	LOCATION 3	
TYPE AND PURPOSE OF JOB 035		ORDER NO. B-969360		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 or 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		
1000-117		1		MILEAGE	1	UNIT	80	MI.	2.69	2.08
001-016		1		Pump Charge	1	UNIT	2724	CT		1130.00
50	807.93522	1		F.M. CENTRALIZATI	8	EA.	5 1/2	IN.	50.00	400.00
593	801.0574	1		LD Plug	1	EA.				205.00
594	801.03743			LD BATTLE	1	EA.				114.00

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-969360

5758.62

WAS JOB SATISFACTORILY COMPLETED? **YES**

WAS OPERATION OF EQUIPMENT SATISFACTORY? **YES**

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? **YES**

X **RON ASTERTZ**
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **Ron Astertz**
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

[Signature]
 HALLIBURTON APPROVAL

CUSTOMER

SUB RECEIVED
 TOTAL
 DATE
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.

JUL 7 1992

WELL DATA

ORIGINAL

FIELD _____ SEC. 27 TWP. 44 RNG. 31 COUNTY _____ STATE _____

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 _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		211	5 1/2	6 1/2	2724	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE: <u>6-5-92</u>	DATE: _____	DATE: _____	DATE: <u>6-5-92</u>
TIME: <u>3:00</u>	TIME: <u>11:00</u>	TIME: <u>18:45</u>	TIME: <u>10:45</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		<u>ALCO</u>
FLOAT SHOE <u>1 in. I.D. 2 1/2 in. O.D.</u>	<u>1</u>	
GUIDE WIRE <u>1 in. I.D. Down Hole</u>	<u>1</u>	
CENTRALIZERS <u>FRM</u>	<u>8</u>	
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. W. Allen</u>	<u>40048</u>	<u>L. K. K. K.</u>
<u>R. Taylor</u>	<u>52805</u>	<u>" "</u>
<u>D. P. ...</u>	<u>6011</u>	<u>H. K. K. K.</u>
<u>...</u>	<u>53012</u>	<u>" "</u>

MATERIALS

TREAT FLUID _____ DENSITY _____ LB./GAL. API

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

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

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 _____

OTHER _____

DEPARTMENT _____

DESCRIPTION OF JOB _____

JOB DONE THRU: TUBING CASING MINULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X R. ...

HALLIBURTON OPERATOR ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK	MIXED LBS./GAL.
<u>1</u>	<u>200</u>	<u>Premium</u>	<u>PLUS 4</u>	<u>15</u>	<u>1700</u>	<u>2.06</u>	<u>12.5</u>
<u>1</u>	<u>125</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>100% FA-2, 10% S.H., 6% H. ...</u>	<u>1.41</u>	<u>15.5</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. _____ TYPE _____

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: 1.33

SHUT-IN INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY (BBL) GAL. 95.84 7.31 - 126.21

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME (BBL) GAL. 110

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

REMARKS: STATE CORPORATION COMMISSION

RECEIVED

JUL 21 1992

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER
DATE
WELL NO.
JOB TYPE
512.25

HALLIBURTON SERVICES
JOB LOG

L NO. 1-3 LEASE CANONIA #1 TICKET NO. 216744
 CUSTOMER HET Inc. PAGE NO. _____
 JOB TYPE W.L.S. ORIGINAL _____

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	03:00							1111
	06:00							Location
	08:45							Csg. T. & H. Hookup Head
	09:00							Circulate "Bg"
	09:25							Hook to end line
	09:30	65			2		300	START Job w/ 260 ski man @ 12.3 #/gal
	09:45	4	95		2		500	Pump TAIL end 12.5 ski man @ 14.8 #/gal
	09:53	0	31		0		0	Shot Down. WASH up, DROP L.D. Plug
	09:58	6	-		2		0	DISPLACE
	10:07	2	53		1		250	slow RATE. Csg. TO SURFACE
	10:12	0	63		0		400	Plug Down
	10:15						0	CHECK L.D. ROLLER Plug - HOLDING TRK'S RELEASE
								Csg. TO SURFACE Good Returns 15 BBL
								15-055-21103-0000
								Thank you for calling Halliburton Jeff G. McH...

RECEIVED
 STATE CORPORATION COMMISSION

JUL 21 1992

CUSTOMER

CONSERVATION DIVISION
 WICHITA, KANSAS