

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- 175-21251-00-00

County Seward

SW/4 - NE - SE - SW Sec. 8 Twp. 34S Rge. 34 X W

1250' Feet from SN (circle one) Line of Section

2900' Feet from EW (circle one) Line of Section

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

Lease Name Heath Well # 2-8

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2942' KB 2953'

Total Depth 2743' PBTD _____

Amount of Surface Pipe Set and Cemented at 802 Feet

Multiple Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan DLT 1 12-2-92 DR
(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid volume 7000 bbls

Dewatering method used Evaporation/Dry Out

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 6120

Name: Cabot Oil & Gas Corporation

Address 9400 N. Broadway, Suite 608

City/State/Zip Oklahoma City, OK 73114

Purchaser: Cabot Oil & Gas Marketing Corporation

Operator Contact Person: Jim R. Pendergrass

Phone (405) 478-6500

Contractor: Name: H-40 Drilling, Inc.

License: 30692

Wellsite Geologist: None

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/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

7-6-92 8-16-92 9-2-92
Spud Date Date Reached TD Completion Date

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 Jim R. Pendergrass
Title Drilling Superintendent Date 10/29/92

Subscribed and sworn to before me this 29th day of October, 19 92.

Notary Public Connie B. Turner

Date Commission Expires September 2, 1996

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
KANSAS CORPORATION COMMISSION
11-2-1992
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
Wichita 67202

Operator Name Cabot Oil & Gas Corporation Lease Name Heath Well # 2-8
 Sec. 8 Twp. 34S Rge. 34 East County Seward 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 Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herrington	2636'	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lower Krider	2698'	
List All E.Logs Run:				

CASING RECORD <input type="checkbox"/> New <input 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"	9-7/8"	36#	802'	Howco Lt Wt Class H	150	2% cc
Production	8-3/4"	7"	26#	2,627'	Howco Lt Wt Class C	200 100	2% cc 1/4# 2% cc

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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
		7200 gals NE-FE Acid 2627'-2743'

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	2679'			
Date of First, Resumed Production, SMD or Inj. Waiting on Pipeline Connection - WNG			Producing Method <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 150 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

**WORK ORDER CONTRACT
 AND PRE-TREATMENT DATA**

ORIGINAL
 ATTACH TO
 INVOICE & TICKET NO. 250,532

FORM 1908 R-7

DISTRICT LIBERAL

DATE 7-6-92

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

WELL NO. 2-8 LEASE HEATH SEC. 8 TWP. 31 RANGE 34
 FIELD _____ COUNTY SEWARD STATE Ks OWNED BY LAGRET OIL & GAS

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	N	36	9 5/8	KB	802	
LINER						
TUBING						
OPEN HOLE			12 1/4	KB	802	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
LAGRET 9 5/8 Csg w/ 150 SK PERM. LOG w/ 29-CC, 4th FLANGE - 150 SK PERM. w/ 29-CC. Displace w/ H₂O

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.
 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.
- 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 returned to the land, 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 or the return of such equipment, tools or instruments to the land, 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 Carl Conway CUSTOMER
 DATE 7-6-92
 TIME 1230 A.M. P.M.
 NOV 2 1992
 STATE CORPORATION COMMISSION

CUSTOMER: ABOT DR & GAS
LEASE: HEAD
WELL NO.: 2-8
JOB TYPE: 9 5/8 SUPERS

WELL DATA

FIELD _____ SEC. 8 TWP. 34 RNG. 34 COUNTY SEANAMA STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		N	36	9 5/8	KB	802	
LINER							
TUBING							
OPEN HOLE				12 1/2	KB	802	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

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 _____

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE INSERT 1 1/2" 9 5/8"	1	Hobas
GUIDE SHOE 7 1/2" PAT	1	
CENTRALIZERS 5-1/2"	4	
BOTTOM PLUG		
TOP PLUG 5-1/2"	1	
HEAD PACKER	1	
PACKER		
OTHER WELDED	1	

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 7-6	DATE 7-6	DATE 7-6	DATE 7-6
TIME 0100	TIME 1130	TIME 1520	TIME 1730

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Kussner	CR93	LIBERAL
Payler	4R120	"
Lay	D9259	Hobas

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
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____

DEPARTMENT CR93
DESCRIPTION OF JOB SURFACE

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Eric [unclear]

HALLIBURTON OPERATOR Kussner COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	150	Prem Lite		B	2% CC. 1/2 d Flocell	1.97	12.4
2	150	Prem		B	2% CC	1.06	12.4

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURUSH: BBL-GAL _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL 81 STATE CORPORATION COMMISSION
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL _____
ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____ REMARKS *Cm To SURFACE
TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____
FEET 45' REASON STOP JOINT

RECEIVED
STATE CORPORATION COMMISSION

NOV 2 1992

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2-8 LEASE HEATH TICKET NO. 250532
 CUSTOMER ARCO OIL & GAS PAGE NO. 1
 JOB TYPE 9 5/8 SURFACE DATE 7-6-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							Called
	1130							On location - Rig up - Drill
	1215							TD - Circ
	1230							T.O.H.
	1315							Run 9 5/8 pipe
	1520							256 in. Hook up To Mud Pump - Circ Rate:
	1540							Shot Area Pump Down - Hook up To Cat Line
	1546	5	53		✓	100		Pump Into Survey @ 12.4 H. Good Return
	1558	5	29		✓	100		Pump Into Survey @ 16.4 H. " "
	1606							Shot Down To Deep Top Pool
	1607	6			✓			Displace w/ N ₂
	1614	2	49		✓	250/100		Shot Down 5 min
	1619	2	54		✓	250/100		Pump 5 Bar Shot Down
	1630		5'					Pump To Bump Pool
	1635		59			200/500		Pump Down - Release Pres - Flow not holding Pres up - Surge back - not holding Bump Pool - Close w/ 1 Release Pres Released From Location
								* Out To Surface

RECEIVED
 STATE CORPORATION COMMISSION
 NOV 2 1992

HALLIBURTON SERVICES
Deer Creek, Oklahoma 73028

A Division of Halliburton Company

TICKET

NO. 250532-7

ORIGINAL

FORM 1908 R-11

WELL NO.—FARM OR LEASE NAME Heath 2-8		COUNTY Seward	STATE Ks	CITY/OFFSHORE LOCATION	DATE 7-6-92
CHARGE TO LABOR OIL & GAS		OWNER LABOR OIL & GAS	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 H-40 & 1	LOCATION 1 Well		CODE 25510
CITY, STATE, ZIP		SHIPPED VIA House	FREIGHT CHARGES <input type="checkbox"/> FPD <input type="checkbox"/> COLLECT	LOCATION 2 Holston	CODE 25585
WELL TYPE 02	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO LOCATION		LOCATION 3
TYPE AND PURPOSE OF JOB 010		B-969435	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, services 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 whose service was performed or equipment or materials was 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	10	MI			2.60	26 00
001-01				PUMPING SERVICE	8	HR	802			680 00
030-018				S-W Top Plug	1	EA	9 1/8"			140 00
16A	830.2211			BURST SAE	1	EA	9 1/8"			198 00
21A	815.19551			10000	1	EA				195 80
27	815.19615			FILLUP	1	EA				34 50
40	807.93065			CENTRALIZERS	4	EA			63 00	252 00
66	807.64061			FASCOIP	1	EA				14 30
350	890.10802			Weld-A	1	EA				11 50

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-969435

RECEIVED
STATE CORPORATION COMMISSION

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X **CARL COWAN**
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **Carl Cowan**
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.

Carl Cowan
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

CUSTOMER

NOV 2 1992

SUB TOTAL **4492 75**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.



**BULK MATERIALS DELIVERY
 AND
 TICKET CONTINUATION**

FOR INVOICE AND
 TICKET NO. 250532

ORIGINAL

DATE 07-06-92	CUSTOMER ORDER NO.	WELL NO. AND FARM Heath 2-8	COUNTY Seward	STATE Kansas
CHARGE TO Cabot Oil & Gas		OWNER Same	CONTRACTOR H-40 Rig #1	No. B 969435
MAILING ADDRESS		DELIVERED FROM Hugoton, Kansas	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO NW/ Liberal, Ks	TRUCK NO. 4673-5302	RECEIVED BY <i>Kusinger</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-043	516.00272	2	B	Premium Cement	150	sk			7.94	1191	00
504-118		2	B	Halliburton Light Cement	150	sk			7.24	1086	00
507-210	890.50071	2	B	Flocele 1/2W/ 300 150	38	lb			1.30	49	40
509-406	890.50812	2	B	Calcium Chloride 2XW/ 300	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	315		362	25
500-306		2	B	Mileage Charge	28,451	TOTAL WEIGHT	10	LOADED MILES	142.255	TON MILES	.80
No. B 969435		CARRY FORWARD TO INVOICE					SUB-TOTAL		2061.45		

THIS IS NOT AN INVOICE

RECEIVED
 L-15 CORPORATION COMMISSION
 STATE OF KANSAS

CUSTOMER

DISTRICT Liberia Ks

DATE 7-9-92

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

WELL NO. 2-8 LEASE HEATH SEC 8 TWP. 34S RANGE 34W

FIELD _____ COUNTY Seward 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 _____ MUD WEIGHT _____

BORE HOLE _____

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		26	7"	153	2634	
LINER						
TUBING						
OPEN HOLE			8 3/4	802	2627	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED Comment 7" Prod String w/ 100' Special Blend of 200^{SC} Perm Plus 2 1/2" 1/2" Flow 100^{SC} Perm Plus 2 1/2" LL

Displacement of Water

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

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- 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.

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.
 - 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 _____ CUSTOMER

DATE _____ TIME _____ A.M. P.M.

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.

RECEIVED
STATE CORPORATION COMMISSION
Wichita, Kansas

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

WELL DATA
Liscomb, KS
BILLED ON TICKET NO. 216972

WELL DATA

FIELD _____ SEC _____ TWP. ORION RING _____ COUNTY SEWARD STATE Ks

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
FORMATION THICKNESS _____	FROM _____ TO _____		26#	7"	KB	2634	
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD							
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD							
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____				8'	802	2627	SHOTS/FT.
PACKER TYPE _____ SET AT _____							
BOTTOM HOLE TEMP. _____ PRESSURE _____							
MISC. DATA _____ TOTAL DEPTH _____							

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
7"		
FLAT ANVIL <u>Insert Flant</u>	1	Henco
FLAREMOE <u>F.L.L.</u>	1	
GUIDE SHOE <u>T/BAT</u>	1	
CENTRALIZERS	10	
BOTTOM PLUG		
TOP PLUG	1	
HEAD	1	
PACKER <u>For 6 in.</u>	1	
OTHER <u>Henco weld A</u>	1	

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 7-9-92	DATE 7-9-92	DATE 7-9-92	DATE 7-9-92
TIME 0500	TIME 0800	TIME 1145	TIME 1320

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Davis	59179	Liberal, Ks
LSmith	52276 / 76400	"
J Davis	3356 / 75305	Hugoton, Ks

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

PERFPAC BALLS TYPE _____ QTY. _____

DEPARTMENT Cement

DESCRIPTION OF JOB 7" Pool Steig

JOB DONE THRU: TUBING CASING ANNULUS TDG/ANN.

CUSTOMER REPRESENTATIVE X Earl Carney

HALLIBURTON OPERATOR Davis

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	200	Prem Plus	UNWT			1.83	17.8
	100	Prem Plus		2% cell		1.92	14.8

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 10²³ REASON Stop short

SUMMARY

PRESLUSH: BBL 10.036 TYPE Spec. Fluid

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

TREATMENT: BBL-GAL _____ DISPL. _____

CEMENT SLURRY: BBL-GAL 58.63

TOTAL VOLUME: BBL-GAL _____

REMARKS NOV 9 1992

CUSTOMER _____
DATE 7-9-92
JOB TYPE 7" Pool Steig
WELL NO. 2-8

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2-8 LEASE Heath TICKET NO. 210972
 CUSTOMER Conoco Oil & Gas PAGE NO. 1
 JOB TYPE 7" Pool String DATE 7-9-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							Time Called
	0330							Time Ready
	0800							Time on loc.
				ORIGINAL				
	1000							Start Pumping casing
	1145							Casing in hole
	1146							Hook up to Circulate casing
	1158							Circulate casing using pump
	1200							Circulate mud to ground level
	1230							Hook up to Pump Truck
	1233					200		Start Gel Water ahead
	1234	5	5			200		Start Spew Flush
	1236	/	10			200		Start Gel Water Behind
	1238	/	5			280		Start Mixing Cement
	1248	5.8	65.18			180		Start Tail Cement
	1253	5.2	23.5			150		Finish Mixing Cement
	1254		88.68			150		Shut Down
	1255							Drop Plug
	1258							wash Pump's lines
		4.5 Avg	100.5					Start Deployment
	1320					700/1200		Plug Down
								Float Held + Circulate Cement To Surface
								Thanks For Calling Halliburton Services
								12/22/92 Crew
								RECEIVED STATE CORPORATION COMMISSION
								NOV 2 1992

CUSTOMER



**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

ORIGINAL

FOR INVOICE AND TICKET NO. 216972

DATE 07-09-92	CUSTOMER ORDER NO.	WELL NO. AND FARM Heath 2-8	COUNTY Seward	STATE Kansas
CHARGE TO Cabot Oil & Gas		OWNER Same	CONTRACTOR H-40 Rig #1	No. B 969445
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO NW/ Liberal, Ks	TRUCK NO.	RECEIVED BY <i>Loez</i>

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	100	sk			8.19	819	00
504-120		2	B	Halliburton Light Cement	200	sk			7.40	1480	00
507-210	890.50071	2	B	Flocele 1/2W/ 200	50	lb			1.30	65	00
509-406	890.50812	2	B	Calcium Chloride 2ZW/200&100	5	sk			26.50	132	50
					Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES			
					SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET			
500-207		2	B	SERVICE CHARGE					314	1.15	361 10
500-306		2	B	Mileage Charge	28,322	10	141.61		NOV 9 1992	.80	113 29
No. B969445					CARRY FORWARD TO INVOICE			SUB-TOTAL	2970 89		

THIS IS NOT AN INVOICE

RECEIVED
CORPORATION COMMISSION
NOV 9 1992

CUSTOMER

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 2-8 Heath		COUNTY Seward	STATE Ks	CITY / OFFSHORE LOCATION	DATE 7-9-92
CHARGE TO COBOT OIL & GAS		OWNER COBOT OIL & GAS	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input type="checkbox"/>
ADDRESS COBOT OIL & GAS		CONTRACTOR H40 Doby	LOCATION 1 Liberal Ks		CODE 25540
CITY, STATE, ZIP		SHIPPED VIA Harco	LOCATION 2 Houston Ks		CODE 25535
WELL TYPE	WELL CATEGORY	WELL PERMIT NO.	DELIVERED TO Loc.		LOCATION 3
TYPE AND PURPOSE OF JOB 035 7" Prod Str.		B- 969445	ORDER NO.		REFERRAL LOCATION

As consideration, the above-named Customer agrees to pay Halliburton in accordance with the rates and terms stated in Halliburton's current price list, issuance 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 issued, Customer agrees to pay interest on the amount of 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 whose 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	10	mile			2.60	26.00
001-016		1		Pump charge	262.7	FT				1130.00
030-016		1		Sub Top Plug	1	Excl			75.00	75.00
16A	825-212			Guide shoe	1	Excl	7"		157.00	157.00
214A	815-19401			Insert Float	1				105.00	105.00
27	815-19415			F.U. Up	1				30.00	30.00
40	807-93043			Centralizers	10				57.00	570.00
66	807-64046			Fabrics	1				12.00	12.00
350	540-10052			Insert					11.00	11.00
018-317				Sub Top Plug	10	SL			98.00	980.00

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-**

RECEIVED
 NOV 2 1992
 2970 89

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X **CHARL COWAN**
 CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **Charl Cowan**
 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.

Dennis Carr
 HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

CUSTOMER

SUB TOTAL
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.