API NO. 15- 163-232830000

Rooks

STATE CORPORATION COMMISSION OF KANSAS

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

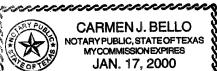
WELL COMPLETION FORM	County KOOKS
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	<u>SW - SE - NE</u> sec. <u>32</u> Twp. <u>8S</u> Rge. <u>17W</u> w
Operator: License #, 03218	2300 Feet from S(N)(circle one) Line of Section
Name: American Trading & Prod. Corp.	1130 Feet from (E/W (circle one) Line of Section
Address 7676 Hillmont, Suite 350	Footages Calculated from Nearest Outside Section Corner: (NB), SE, NW or SW (circle one)
	Lease Name Stamper "E" Well # 8
City/State/Zip Houston, Texas 77040	Field NameDopita
Purchaser: KOCH	Producing Formation
Operator Contact Person: Donald W. Garrett	Elevation: Ground 1960' KB 1965'
Phone (_713)460-2355	Total Depth 3410 PBTD
Contractor: Name: Vonfeldt Drilling, Inc.	Amount of Surface Pipe Set and Cemented at 1280 Feet
License: 9431	Multiple Stage Cementing Collar Used?Yes X No.
Wellsite Geologist: FRED WALSH	If yes, show depth setFeet
Designate Type of Completion X New Well Re-Entry Workover	If Alternate II completion, cement circulated from
	feet depth to w/ sx cmt.
X Oil SWD SIOW Temp. Abd. Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan ALT 1 9 2-10-97 (Data must be collected from the Reserve Pit)
1f Workover:	Chloride content 82,000 ppm Fluid volume 380 12 bbl
Operator:	Chloride content 82,000 ppm Fluid volume 380. bbt
Well Name:	Dewatering method used Left to dry
Comp. DateOld Total Depth	Location of fluid disposal if hauled offsite;
Deepening Re-perf Conv. to Inj/SWD	Operator Name
Plug Back PBTD Commingled Docket No.	Lease NameLicense No
Dual Completion Docket No	1
9-3-96	Quarter Sec Twp \$ Rng E/W County Docket No
•	
- Room 2078, Wichita, Kansas 67202, Within 120 days of the Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 12 months if requested in writing and submitted with the months). One copy of all wireline logs and geologist well MUST BE ATTACHED. Submit CP-4 form with all plugged we	
All requirements of the statutes, rules, and regulations promu	ligated to regulate the oil and gas industry have been fully compli-

with and the statements herein are complete and correct to the best of my knowledge.

Signature Dissibility Level I	Donald W	. Garrett
		12/10/96
Title <u>Operations Manager</u>	Date _	12/10/90
Subscribed and sworn to before me this $\underline{10\text{th}}$	day of Dec	cember
19 96. Notary Public Carment Bello		
Notary Public Carner Sulle		
Date Commission Expires Jan. 17, 2000		

F Lette	.C. OFFICE USE OWLY er of Confidential line Log Received ogist Report Receiv	ity Attached
KCC KGS	Distribution SWD/Rep Plug	NGPA Other (Specify)

Form ACO-1 (7-91)



CARMEN J. BELLO NOTARY PUBLIC, STATE OF TEXAS MYCOMMISSION EXPIRES JAN. 17, 2000

erator Name Produc	can Tradin ction Corp							
	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS			Lease Name	Stamper	"E"	_ Well # _	x
	Γ	7		County	Rooks			
. <u>32</u> Тыр. <u>8S</u> Б	Rge. <u>17</u>	West						-
STRUCTIONS: Show imp terval tested, time drostatic pressures, more space is needed	tool open and	a closed, emperature,	f formation flowing and fluid reco	s penetrated. d shut-in press overy, and flow	Detail all c sures, whethe rates if gas	ores. Report r shut-in pres to surface duri	all drill ssure reac ng test. /	stem tests giving hed static level Attach extra sheet
ill Stem Tests Taken		☐ Yes	X No	∑ Log	Formation	(Top), Depth a	and Datums	☐ Sample
(Attach Additional S	Sheets.)		ਰਾ	Name		Тор		Datum
mples Sent to Geolog	ical Survey	Yes		Topeka		2858	ı	- 893
res Taken		☐ Yes		Toronto		3098		-1133
ectric Log Run (Submit Copy.)		X Yes	⊔ No	Lansing- Marmator Arbuckle		.ty 3114 3342 3393		-1149 -1377 -1428
st All E.Logs Run:		ed		Arbuckie	.	2293		-1420
	GR Z-Densilog Minilog Caliper	g/Comp.N	uetron					
	Report al		NG RECORD set-conduct	New Ustor, surface, is	sed ntermediate,	production, et	c.	
Purpose of String	Size Hole Drilled	Size C		Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5	/8	28	1280	HLC	330	3% CC 1/4#/SK Flos
						STD	145	3% CC
Production	7-7/8	5-1	$\frac{1}{12}$	15.5	3409	STD	145	10% salt 5#/sx Gilse
	ADDITIONAL C						,	3/4% H-322
Purpose:	Depth Top Bottom			#Sacks Used		Type and Percer	nt Additiv	es
Perforate Protect Casing Plug Back TD Plug Off Zone								
Shots Per Foot	PERFORATION Specify Footag			gs Set/Type erforated	Acid, (Amount an	Fracture, Shot d Kind of Mate	, Cement S rial Used)	queexe Record Depth
2	3313'-28'	, 3270 ' -	80 ', 321	ز '19'و	10,000 9	gal 15% HCL	NEFE	3152'-33
	3152'-63'							
			4					
	THE RESERVE THE PARTY OF THE PA	•						
TUBING RECORD	Size	Set /		Packer At	Liner Run	☐ Yes ☑] _{No}	
Date of First, Resum	2-7/8 ed Production	3328 , SWD or I I		icing Method	Flowing X Pu			ther (Explain)
9-28-96 Estimated Production Per 24 Hours		Bbls.	Gas	Mcf Wate			l Ratio	Gravity 34
isposition of Gas:	METHOD O	F COMPLETIO			Pr	oduction Inter	val	
Vented Sold				Hole Perf	. Dually	Comp. Com	mingled	

DRILLERS WELL LOG

ORIGINAL

Date Commenced: September 3, 1996 Date Completed: September 8, 1996

American Trading & Production Corp. Stamper "E" #8 **SW SE NE Sec. 32-8S-17W** Rooks County, Kansas

Elevation: 1960' G.L.

0 - 135' Rock & Shale

135 - 860' Sand, Shale & Clay

860 - 1272' Sand & Shale

1272 - 1312' Anhydrite

1312 - 1480' Lime & Shale

1480 - 1985' RedBed & Shale

1985 - 3310' Lime & Shale

3310 - 3410' Kansas City & Arbuckle

3410' R.T.D.

1965' K.B. 15-163-23283-6-00

FORMATION DATA

Anhydrite	1274'
Base Anhydrite	1312'
Topeka	2858'
Toronto	3098'
Lansing	3114'
Kansas City	3198'
Marmaton	3342'
Arbuckle	3393'
R.T.D.	3410'

Surface Pipe: Set 28#, used, 8 5/8" pipe @ 1280' with 330 sacks HLC, 3% CC & 1/4# Fio Seal per sack & 145 sacks standard, 3% CC.

Production Pipe: Set 15 1/2#, used, 5 1/2" pipe @ 3409' with 145 sacks EA2, 5# Gilsonite per sack, 10% Salt, 3/4% H-322 & 500 gallon Mud Flush.

AFFIDAVIT

STATE OF KANSAS)	
)	SS
COUNTY OF RUSSELL)	

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

Subscribed and sworn to before me this 10th day of September, 1996.

My Commission Expires:

A CHERYL M. PAYNE

Notary Public - State of Kansas

My Appt. Expires 8-30-99

快车车的最

ACCT, NO.

ORIGINAL

INVOICE NO. DATE

			ONION	1 6	103708	09/07/1996
	WELL/LEASE NO ZPROJECT	ÿÿĒ	LL/PROJECT-LOCATION	STATE	() - () () () () () () () () () () () () ()	WNER
	* *** *	ROOKS		KS	SANE	
	RVICE LOCATION	CONTRACTOR	JOB PL	URPOSE		TICKET DATE
-	VO	NEEDT ORILLING	CEMENT PRODUCT	TON CA	ESING	09/07/1995
Ž	CUSTOMER AGENT	VENDORN	CUSTOMER PO	NUMBER	SHIPPED	VIA FILE NO.
	DAVED FANT				COMPANY I	RUCK (3382

DIRECT CORRESPONDENCE TO:

AMENITOR TRADING & PROB. SURE 400 S COLURADO STREET ETATROPHER, KR 67663

BS & ROK 498 7AY3 KA 62601 773-675-3431

		W. 1922 1987 1988 1988 1987 1987	. A .m. Establisher	77. G. 1. G. 2. G. 3. G. 3. C. 3. N. 88. 8. 8. 7. 8. 8. 8. 7. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.		্যান্ত নি
		QUANTITY	<u>***UM</u>	UNIT PRICE	AMOUNT	
39.	rea 4 MID CONTINENT					
	MICEAGE CEMENTING ROUND TRIP	6.4		0.79	808 88	
	. It's a street of the street	-	UNT			
	工程的名词形 2 形式 - 信義的主題(2)	7409		1,545.00	1,545.00	
	· 性好學。在監督監察		UNT	21. 21	ath the street	
				, spin in	546 00	
	COMMITTING PLOOSEN ALUM TOP .	1 . 7 . 3	EA	, 60,00	60,00	100
	SETUS ERCE - 8 1/2" SED THD.			121.90	121.00	į.
808 256	The second secon	,	1.4 # 34		ಗೋರ್ಡ ಹಿಂ. ಹಿ.ಕ್ ಕಿನ್	
<u>*</u>	以北方祖元。北方统。15~3~3×22 · 独美解信总约	· §	ba	{ \ , */\}	11 00	50
1 800 A 200 A					-w / k - 1g	
K,	で最後主な存む。主をおおった・エイス 米 フーマンタ	7	F.A	60.00	4 20 90	, 'A
\$ 345,6907						
	tocher proble thive - 5 transky	y y	RA	131.00	131,00	κŶΥ
175,1935					<i>\$</i>	
	CRMESS - SCANDARD		等权	(4) 株才	1,387.65	肾
			1.13	. 15	90.60	
£:	(80, 803), 60		SK	25 20	* * * * * * * * * * * * * * * * * * * *	47
	HALAD-322 GILBOMITE WULK		LB	7 , E# 4 ,8	714.00	H
	BOUR SERVICE CHARGE		LB	,准符	230 00	7.
	STREATH CAIC MAT DEL OF KEINEN -		CFT		238.75	, L.
	TO THE PERSON OF THE PROPERTY OF THE PROPERTY OF THE PERSON OF THE PERSO	10 00 00 00 00 00 00 00 00 00 00 00 00 0	1111	(^ F)	281.26	gàr.
	SAVOLON NONTOTAL				6 , 2 2 0 . 4 B	
	0 (3 C(1) MT - (W(1))				1,970 07	
	PAUCOR GIB ROLLEGE			No. of the last of	. 4,250 41	
				, * ? *		
	A - KAMBAS STATE SALES T.	8X			125.43	
	FART BALAS TAX				25.01	
					The second secon	
.	PLEASE PAY THIS	的 有成之作 等等 % \$ 5 5 5 · · · · · · · · ·			سيه ، سخسي يو وهو	
&	err erre som som romen at de de de mellet de	DEVENUE AND REPORT OF THE CONTRACTOR	· · · · · · · · · · · · · · · · · · ·	e to segment in the delication of the	24,402.73	

		CHARGE TO:	£	^		CUSTOME	R COPY	TICKE	Т
W H	ALLIBURTON	ADDRESS	ican Trading +1	Production	loip		No.	103	708 - [
HAL-1906-P	N ENERGY SERVICES	CITY. STATE.	ZIP CODE	_	Value Control of the	The state of a		PAGE 1	OF 2
SERVICE LOCATIONS 1 Hays k > D 2.	WELL/PROJECT NO 25% 5 F 8 TICKET TYPE NITI	ROGEN CONTR	S to m por RACTOR	COUNTY/PARISH RIG NAME/NO.		CITY/OFFSHORE LOC	- 14 8° to	1 '	ner
3. 4. REFERRAL LOCATION	WELL TYPE INVOICE INSTRUCT	V NO V → N WEI	FILE CATEGORY JOB P	URPOSE	03.5	WELL PERMIT NO 143.2328	1	22 · 8 5 /	7 00
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION		QTY. JUM.	QTY, U/M	UNIT PRICE	AMOUNT
600-117	=======================================		MILEAGE ON PT	51797	Rr	18 mi		297	103
DO1-01L	, 98488490000		Pump Ela	908/00 · · · · · · · · · · · · · · · · · ·	177.111.111	34096	- -	1545	1545
018-315	<u>O</u>		Mud Fla.		*	840 pel	1	165	546
030-012	5		SW Top	Plug		1 10 a	5 % 17	60	60
/2 A	825 205		35 Guide Shoe	4		100	5 % 1%	121 00	121
66	806. 12030		15 Fes Grip 6	Unp		1 ea	5 '5 lin	11 03	11
110	806.60023		00 5-4 Eintra			700	521	60 0"	400
<u>24 A</u>	\$15.19251		Thosest Fla	sot Valve		1 8 0	51	136-00	131
I FGAL TERM	IS: Customer hereby ac	knowlodgoo	SUB SUBFACE SAFETY VALVE W	VAS:			DIS		
and agrees to reverse side he	o the terms and conditi ereof which include, but ar	ons on the e not limited	TYPE LOCK	RETURN PULLED DEPTH	OUR EQUIPMENT WITHOUT BREAKE	AGRE PERFORMED OWN?	UN-DIS- DECIDED AGREE	PAGE TOTAL	* ' · · <u>&</u>
to, PAYMEN LIMITED WAR	T, RELEASE, INDEM RANTY provisions.	NITY, and		SPACERS	WE UNDERSTOOD MET YOUR NEEDS OUR SERVICE WA	? S		FROM CONTINUATION PAGE(S)	3/83
MUST BE SIGNED BY CU START OF WORK OR DE	USTOMER OR CUSTOMER'S AGENT PRI ELIVERY OF GOODS	UH TO		CASING PRESSURE	PERFORMED WITH WE OPERATED TH AND PERFORMED CALCULATIONS	E EQUIPMENT			

1545,00

			1 1				
DATE SIGNED TIME	SIGNED [☐ A.M.	1	ARE	YOU SATISFIED WITH OUR SERVICE	E?	SUB-TOTAL
9-2.96	20.0	P.M. TREE CONNECTIO	N TYPE VALVE		☐ YES	□ NO	APPLICABLE TAXES
	- Jan	I F.W.		ر در سلار			WILL BE ADDED
I do do not require IPC (Instrume	ent Protection).	fered			CUSTOMER DID NOT WISH TO RE	SPOND	ON INVOICE
CUSTOM	IER ACCEPTANCE C	OF MATERIALS AND SE	RVICES The custor	mer hereby acknowle	eges receipt of the materials a	and services listed c	n this ticket.
CUSTOMER OR CUSTOMER'S AGENT (PLEASI	E PRINT) CUSTOME	ÉR OR CUSTOMER'S AGENT (S	IGNATURE)	HALLIBURTON OPERATO	R/ENGINEER EMP	# HALLIBL	RTON APPROVAL
	x	Havil 1	tant	Jel Ce	Lan 13:	922	·
			I I	1			

TUBING PRESSURE | WELL DEPTH

SATISFACTORILY?

TUBING SIZE

X

DATE SIGNED

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

- A. CUSTOMER REPRESENTATION Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.
- B. PRICE AND PAYMENT The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.
- C. RELEASE AND INDEMNITY CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO, PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

- D. EQUIPMENT LIABILITY Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will consitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.
- E. LIMITED WARRANTY Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault, Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.
- F. GOVERNING LAW The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.
- G. WAIVER Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.
- H. MODIFICATIONS Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President Legal, 5151 San Felipe, Houston, Texas 77056.



TICKET CONTINUATION

OMGMAL.

No. 103708

+	ON ENEKGY SEKVICES		•		CUSTOMER	WELL	_			DATE	PAGE OF
FORM 1911 R-10	SECONDARY REFERENCE/	Τ Δ	CCOUNTIN	IG.	American Trading	Syan	<u>1 [0.00]</u>			9-7-98	2 2
PRICE REFERENCE	PART NUMBER	roc	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
504-308		1			Standard Coment		583			9'57	1387 63
509-1968		1			Salt	600	#		1	1/5	90 00
.509-968 .508-127 .507-775 .508-291	one constraints of the constrain				Ca) Seal	7	5/3			25190	18/130
,507-775	<u> </u>	1			Holod. 322	107	رد		1	2/00	714 00
508-291		1			Cilsonite	72.5	1-11			140	2%00
	<u>.</u>					·			ı		
	emanuscus ,						1		!	A 13.	0
									1		
							1				
							1		1	ر ا	£ 10 }
	•						!		1	7.7	1.
							-		1	",	*, *,
							 		 	ı	*/
							T		<u>'</u> 		
								1.1.	1		
							1		1		
									1	Ī	
					***************************************		<u>.</u>			1	
**							1		<u>'</u> 		
							1		1	1	<u> </u>
									-	, ,	
									<u> </u>		
					-		· 		<u>'</u>		
		-		-			+		· 		
<u> </u>	1	+-			SERVICE CHARGE	CUBIC FEET	1	-	i		
500 207		}	****		MILEAGE TOTAL WEIGHT LOADED MILES CHARGE 15,757 34	TON MILES	<u>לל /</u>			135	23895
500 - 306		1			MILEAGE CHARGE 15,757 LOADED MILES	TON MILES	67.8	169 11		1 105	281,26
No. B	339988								ONTINU	ATION TOTAL	3,23.16



<u>. </u>	15/6	3-Z	32	83	~00~0
			O ON-		20%

TELD				WELL DATA						7
			_ sec. <u>32</u> tw	P. 25 RNG	72	COUNTY	Rook		STATE _	Ks.
ORMATION NAME				***************************************	NEW USED	WEIGHT	SIZE	Tou		MAXIMI IM PS
RMATION THICKNES		· · · · ·	PE	CASING	USED			FROM	TO	MAXIMUM PS ALLOWABLE
			то		Some.	155	54"	()	3409	
	BPD. WATE				 			 	 	
	BPD. WATE						00.1	l .		
	MUD T			PERFORATIO	NIC		120	3409	3410	SHOTS/FT.
CKER TYPE		SET	AT	PERFORATIO			·	·	ļ.,	
		PRESSURE				- A-Vin	Ar	HAIR	100	
SC. DATA		TOTAL		PERFORATIO	INS		LUH	<u> </u>	$\mathbb{V} A \perp$	
•	TOOLS AND	ACCESSORIES	•	JOB DATA CALLED OU	r	ON LOCA	TION	JOB STARTED	W/ / L.	
TVPF	AND SIZE	QTY.	T	DATE 9-1		ı		ľ		OB COMPLETED
DAT COLLAR	AND SIZE	QIY.	MAKE			DATE 0	36	DATE 957	SUC D	ATE
DAT SHOE			 	TIME 2/12	32	TIME 22	1.30	TIME 22.	ic T	IME
DE SHOE	. 4		H. Delor			PERSO	ONNEL AN	D SERVICE (JNITS	
					N	IAME		UNIT NO. &	TYPE	LOCATION
TRALIZERS	5.7	- 12	p 1		Lu			pu		
TOM PLUG				,				41285	$: \mathcal{H}$	k.
	7 66		2.4	I Hens	ير ۾ مق			PT	7.	" " "
ND					7			5179	9	F * 14
KER				11.	L.	,		BT	/	
IER For Co	<i>p</i> -,	j	a#	***	P. 1.			42413	, <i>•</i>	to # s
		ERIALS				·		100113	·	
AT. FLUID		DENCITY		. 0						
				LAPI						
	SIZE		LB							
	SIZE _		LB							
TYPE			%							
		GAL	% <u></u>							
TYPE			70							
FACTANT TYPE		-			e c	1 4 F F F				
GENT TYPE			IN	DESCRIPTION	OF JOB	6 6000	.r.55	Prod	650	
D LOSS ADD. TYPE	GA	λLLB	IN)	
LING AGENT TYPE	-									
RED. AGENT TYPE	GA	\LLB	IN							-
AKER TYPE	GA	ALLB	IN	JOB DONE TH	RU: TU	BING 🔲	CAS	ING D	ANNULUS [TBG./ANN.
CKING AGENT TYPE			3ALLB			\/	1 /	T-T	_/	
FPAC BALLS TYPE		(QTY	CUSTOMER REPRESENTAT	IVE X	X	Mu!	and make	221 F	
ER							****		er to f	
ER				HALLIBURTON OPERATOR	and the	and R	Q.		COPIES	
			CEI	MENT DATA	J	- 4	4 7 1 handle of		_ REQUESTE	D
	1	BRAND	BULK						VIEL 5	Т
AGE NUMBER	CEMENT					VEC			YIELD CU.FT /SK	MIXED LBS./GAL.
AGE NUMBER OF SACKS	CEMENT		SACKED		ADDIT	VLS			CO.1 1 / 3K	· ·
NUMBER OF SACKS	CEMENT FA-3		 	Cilen = -	2 m					1 = 1
OF SACKS			SACKED 5 1/4	Cilsonite 7	2 m	<u>H-300</u>			1 44	15. '
OF SACKS			 	Cilsonia 9	2 m					15.
OF SACKS			 	Cilsonite 9	2 m					15. '
OF SACKS			 	Cilsonite 9	2 m					15. '
OF SACKS			5 */. /.		2 m		VOLUM	1ES		15.
OF SACKS	FA-2		5*/{k	UMMARY	2,5		VOLUM		1.44	15.
OF SACKS	FA-2	N PSI	5*/\!	UMMARY PRESLUSH: BBL.	P.C.		VOLUM	TYPE #	1. 44 8. (2.)	15.
OF SACKS	FA-2	N PSI DISPLACEMENT _	5*//k	UMMARY PRESLUSH: BBL. LOAD & BKDN: B	SALGAL.		VOLUM	TYPE #	XA Z	15.
OF SACKS /// /// JLATING KDOWN	PRESSURES IN	N PSI DISPLACEMENT _ MAXIMUM CTURE GRADIENT.	5*//! S	UMMARY PRESLUSH: BBL. LOAD & BKDN: B TREATMENT: BBI	GALBLGAL	H-307	VOLUM	TYPE #	1. 44 8. (2.)	15.
OF SACKS	PRESSURES IN	V PSI DISPLACEMENT _ MAXIMUM CTURE GRADIENT.	5*//! S	UMMARY PRESLUSH: BBL LOAD & BKDN: B TREATMENT: BBI CEMENT SLURRY	GAL. BLGAL. GAL	11.327 20	VOLUN	TYPE #	XA Z	15. '
JLATINGKDOWN	PRESSURES IN FRAC 5-MI HYDRAULIC I	N PSI DISPLACEMENT _ MAXIMUM CTURE GRADIENT. N HORSEPOWER	S = 15-MIN.	UMMARY PRESLUSH: BBL. LOAD & BKDN: B TREATMENT: BBI	GAL. BLGAL. GAL	11.327 20		TYPE #	XA Z	15. '
JLATINGKDOWN	PRESSURES IN FRAG 5-MI HYDRAULIC H	N PSI DISPLACEMENT _ MAXIMUM CTURE GRADIENT. N HORSEPOWER	5*//! S	UMMARY PRESLUSH: BBL LOAD & BKDN: B TREATMENT: BBI CEMENT SLURRY	GAL. BLGAL. GAL	11.327 20	VOLUM	TYPE #	XA Z	15.
OF SACKS /// /// JLATING KDOWN	PRESSURES IN FRA 5-MI HYDRAULIC H AVAILABLE AVERAGE R.	N PSI DISPLACEMENT _ MAXIMUM CTURE GRADIENT. N HORSEPOWER ATES IN BPM	S 15-MIN	UMMARY PRESLUSH: BBL LOAD & BKDN: B TREATMENT: BBI CEMENT SLURRY	GAL. BLGAL. GAL	11.327 20		TYPE #	XA Z	15. '
JLATING	PRESSURES IN FRAM 5-MI HYDRAULIC H AVAILABLE AVERAGE R.	N PSI DISPLACEMENT _ MAXIMUM CTURE GRADIENT. N HORSEPOWER ATES IN BPM	S = 15-MIN.	UMMARY PRESLUSH: BBL LOAD & BKDN: B TREATMENT: BBI CEMENT SLURRY	GAL. BLGAL. GAL	11.327 20		TYPE #	XA Z	15. '

15-163-23283-00-00

HALLIBURTON

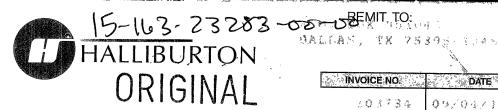
JOB LOG HAL-2013-C Cont Prod Coa WELL NO. E 2 Stomper

VOLUME PUMPS PRESSURE(PSI)
(BBL) (GAL) T C TUBING CASING 103708 American Tradino DESCRIPTION OF OPERATION AND MATERIALS Called Out 2100 22:30 Sterr 52"x15,5 Csq in Hole 4 22:45 1 Guide Shoe 1 Limit Clamp 7 Central iners PTO BT ONLOC 23:30 Spot & Set up Equip - Discuss bo Broke Cice TRig Pump - Fish Run Cag. 23:45 24'40 Osq in Hole · Sere 3409' Hook up PC Manifold Broketice TRig Pump 24:45 Hookup to PT. 250 Finish Pump Mud Flush - 20BBL Plug Rat Hole 7/15sk Cont 61:08 01:13 300 Start Pumperment
1415-k EA-2 7 5 7/4 6/1500/46 3/17/4-322 01:20 175 Finish Pump E-mont 01:28 Release Plus Work out Pump & Lines 01:32 50 Stert Disol 1250 Plug Landel 01:43 0143 O Release Pros Float Hold 01:44

FIELD OFFICE

CUSTOMER COPY

7 64 1.7 mg 3 mg 2⁹⁸15.



WELL/PROJECT LOCATION

INVOICE NO. DATE

JINAL		103734	09/04/1995
CATION	STATE	OV.	ÝNER
	KB	3/4/8	
JOB PL	IRPOSE		TICKET DATE
AL BUREACE	CASI	NO	09/04/1998
CUSTOMER RO. N	NUMBER	SHIPPED	MA FILE NO.

COMPANY TRUCK

1 123"

SERVICE LOCATION

HAVEL PANT

ACCT/NO.

D CARDO

CONTRACTOR VONERLDY DRILLING

ROOKS

VENDOR NO.

JOB PL CHMMMT EUREFUE

AVERTONE VEARING & PRODE COME ARREST STATE OF A STREET ·利比赛多级简单长小说。 報告 · 查尔斯斯里

PROJECT

CUSTOMER AGENT

DIRECT CORRESPONDENCE TO:

E O BOX 428 HAYS KS 67601 913-325·3431

PRICING AR	DÉSCRIPTIÓN	COMMENT, SET SE	Sacial	Wight LHIPE &	AMOUNT
	THE STATE OF THE S	€) <i>&</i>		2 99	203.32
	CARTITION CASING	1760	UNT FT UNT	1,180 00	1,180.00
	Committee Fine SW, PRASTIC TOP	8 5/8	4. 7A		130.00 *
# 3 4 4 4 1 14 15 13 14 15 15 15 15 15 15 15	S SECURE VALUE VALUE OF A STATER	1	e a	221.00	221.00
,	"F"(186 1998 0-3/8" & 12.28"	Ą.	F 4	77.341	286.00 .
ing Tanggayan Sangga	ALEMAN TULE SAME UINCED	3	15° 25	15 36	3.5. A.3. 4
5 10 10 10 10 10 10 10 10 10 10 10 10 10	THE COURTS OF SELLIES	145 72 834 834	SK SK ID OFT	45 78	3,004.00 % 1,387.65 % 439.00 % 136.95 % 660.40 % 776.64 #
	PRIDONE HID ANDUNE PRESIDENT SALES FA PARS SITY SALES FAX	Δ,			3,670,30 231 74 47 31
	1.00m 21.00m 1.00mm2 - PLEASE PAY 生程12 A	POUNT .		on the second second	\$\$, @&4 , %5

		CHARGE TO							CUS	STOME	ER COPY		TICKE	.Т	
HALLIE	BURTON	ADDRESS			_P200	SUCTOD CORP					No	0.	103	3734 -	- 4
HALLIBURTON ENERGY	Y SFRVICES	CITY, STATE	E OX)DE					-				PAGE	, OF	
HAL-1906-P				il yo Ji	74845			-					1	2	
SERVICE LOCATIONS	WELL/PROJECT NO.		LEASE	£		COUNTY/PARISH		STATE	CITY/OFFSHO	ORE LOC	ATION	DAT	TE O'	DWNER	
1. HAYS, KS			STE	ANTER E	* 4	23003		2.4					3-4-96	SAME	
2.	TICKET TYPE NITRO	OGEN CON	NTRACTOR			RIG NAME/NO.		VIA	DELIVERED T	ГО		ORE	RDER NO.		* 9
3.	SALES SWELL TYPE	V NO VO	WELL CATE	NY NY NATIONAL TEGORY	JOB PUR	, ppoer		51797	WELL PERMI	<u> </u>		- INF	ELL LOCATION 🧼		
4.					30013.	O IO					Mark the the state on	NET NET	≥ €	8	
4. REFERRAL LOCATION	INVOICE INSTRUCTION	ONS	<u>O</u>	/ k		W * W			15165	<u> </u>	830000		<u>) * 85</u>	* 1	int
	DARY REFERENCE/	ACCOUNT		And the second s	programme de la companya de la compa	DESCRIPTION	The second secon	100 (100 A 100 A 1		-To. 1923			UNIT	AMOU	IMT
	RTNUMBER	LOC ACCT		The state of the s	<u> Italian</u>	Andrew Control of Cont		- 100 S - 100	QTY.	, ////	OTY.	17. V.O	PRICE		· - · -
. 1 - (11-000		•	1.1	MILEAGE			Rom		1 84	hot.	1 4	44.7	299	120	33 35
001-016 C			\$	Pump Seed	MCI_			- !	1280	FT	b w	424	1180 00	118	00 00
030-018		•		rop peve -	· SW			. 4	1	CA	8 ^{.5} /8"		130 60		0 03
and the same of th	\$02.19502		251	INSURT FU	om u'	SO FILLUP			1	(A	82/8	*	221 00		2160
	367, 93059			CATENUE	ş	5-4				ISA	82,9,,	1	72.33		33 00
			1	COMP	May 1450		***************************************			1	878"				
\$ D \ \overline{2}{5}	306.72050		1000	· Chistin					B	ia	0/6	+	75 00		3 20
7			++-	 						+			- 14		-
			+++					!	<u> </u>						
				<u> </u>										1.31	
_		,											17		
	-	,	1							+ +					-
	-		+							-		+		,,,	1.
LEGAL TERMS: Custo	omer hereby ac	:knowledge	AS SUB S	SURFACE SAFETY	VALVE WA	4S:		SUBVI	 EY	AGRI		DIS-		-	 r-
and agrees to the ter	rms and conditio	ons on th	ne TYPE I		ULLED & NE	ETURN □PULLED □RUN EPTH	OUR EQI	QUIPMENT	Γ PERFORMED	1 44 7.572 7.772	DECIDED	AGREE	PAGE TOTAL	205	37 32
reverse side hereof whic						<u></u> -	WITHOU	JT BREAK	DOWN?					 303	र्ष थेर
to, PAYMENT, RELI LIMITED WARRANTY p		NITY , an	d BEAN	SIZE	SP	PACERS	MET YOU	DERSTOOL DUR NEEDS	S?			-	FROM CONTINUATION		44
MUST BE SIGNED BY CUSTOMER OR	R CUSTOMER'S AGENT PRIO	OR TO	TYPE	E OF EQUALIZING SI	SUB, C	ASING PRESSURE	PERFOR		THOUT DELAY?			_	PAGE(S)	637	4-04
START OF WORK OR DELIVERY OF GO	,OODS	and the same of th		0, 200.		101141112000	AND PER	RFORMED	HE EQUIPMENT D JOB	Т			!		İ
x Long 1	Tana		TUBIN	ING SIZE TU	UBING PRES	ESSURE WELL DEPTH	CALCULA SATISFA	LATIONS ACTORILY	(?						
DATE SIGNED	THE SIGNED	A:M.					ARE YOU	J SATISFI	TED WITH OUR		E?		SUB-TOTAL	001	
· Q.4.*4	1730	₩ P.M.	. TREE	E CONNECTION	LA.	YPE VALVE					LI INO	\longrightarrow	APPLICABLE TAXES WILL BE ADDED	1 841	176

TREE CONNECTION

TYPE VALVE

TYPE VALVE

VES NO

APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)

TYPE VALVE

CUSTOMER DID NOT WISH TO RESPOND

ON INVOICE

The customer hereby acknowleges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)

HALLIBURTON OPERATOR/ENGINEER

HALLIBURTON APPROVAL

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

- A. CUSTOMER REPRESENTATION Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.
- B. PRICE AND PAYMENT The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.
- C. RELEASE AND INDEMNITY CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT. IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT, ALLOWED BY APPLICABLE LAW.

- D. EQUIPMENT LIABILITY Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will consitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.
- E. LIMITED WARRANTY Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton-or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.
- F. GOVERNING LAW The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.
- G. WAIVER Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.
- H. MODIFICATIONS Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President Legal, 5151 San Felipe, Houston, Texas 77056.



TICKET CONTINUATION

CUSTOMER COPY

No. 103734

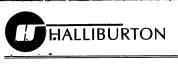
HALLIBURTON ENERGY SERVICES CUSTOMER WELL DATE PAGE Ameircum Trading Stamper 6 FORM 1911 R-10 9-4-96 PRICE SECONDARY REFERENCE/ ACCOUNTING DESCRIPTION UNIT AMOUNT REFERENCE PART NUMBER LOC ACCT QTY, U/M PRICE QTY. U/M 504-316 Halliburton Light Cement 330 8 80 2,904,00 504-308 Standard Cement 145 9 57 1,367 65 509-406 Calcium Chioride 12 40 75 489 00 507-210 Tlocele 83 | 1b 136 95 7 - - A SERVICE CHARGE CUBIC FEET 590-207 · 504 1 35 680 40 TOTAL WEIGHT LOADED MILES TON MILES 500-306 944490% 739.466 1105

No. B 339983

90

CONTINUATION TOTAL

5**:37**4**:**58



JOB

Mad Controlly 15-Ne3-23283-00-0

		SUMMAF	1 T	LOCATION				TICKE	T NO	mark 2
					L DATA					•
*	•		SEC 32			COLINTY	200	a di di	STATE	frank
ELD			, SEC	TVVF.			T			MAXIMUM PS ALLOWABLE
ORMATION NAME		TYPE			NEW USED		SIZE	FROM	TO	ALLOWABLE
ORMATION THICK	(NESS'	FROM	то		CASING	1.8	87/8	K.B.	17.4	
ITIAL PROD: OIL	BPD.	WATER BPD.	GAS	MCFD	LINER		ļ			
		WATER BPD.			TUBING				da 4 %	
		MUD TYPE			OPEN HOLE		12.14	1279	1180	SHOTS/FT.
CKER TYPE		SET A			PERFORATIONS			,	,	*
		PRESSURE			PERFORATIONS			DICIN		
		TOTAL	DEBTH		PERFORATIONS		Uſ	NIOIN	IHL	
SC. DATA		TOTAL	DEFIN	JOB [DATA		24.00	ANTHORNE STATE	A har of the first	
	TOOLS	AND ACCESSORIES			CALLED OUT	ON LOCA	ATION	JOB STARTED	JOB	COMPLETED
т	YPE AND SIZE	QTY.	l N	1AKE	DATE	DATE	* 30/2	DATE *	DAT	≘ ∰
OAT COLLAR					TIME 3		1700	TIME 3	. 1	1030
DAT SHOE			 		The same of the sa			SERVICE UN		
IDE SHOE						NAME	OINTE AIN	UNIT NO. & TY		LOCATION
	\$	1, 5	, ₅	on the or		, south		D)	-	
NTRALIZERS	43.00	填	1 1	3.3.3	· 44 5 1/42 6" »	3				i i Bi w
TTOM PLUG			_		vi wiis	A.J		POSE		WAY
OP PLUG	-2-2		<u> </u>	& ه				PTAR		
AD	P.C.	\		84	T. 1624.1			51797		* 1
CKER (1 St. 2 11 E S			2.4				344		
HER .	SOT FLET	57		ès	D REFINA	(A) NOTE:		53-116		Ž,¥
		MATERIALS						E suc		
EAT ELLED		DENSITY		LB/GAL -ABI	R LATTE			4400 50	70	74
										· · · · · · · · · · · · · · · · · · ·
		DENSITY						1		
		SIZE								
		SIZE				~				
		GAL								
CID TYPE		GAL		%						
ID TYPE		GAL		%	***************************************	and a selection				
JRFACTANT TYF	°E	GAL	IN		DEPARTMENT			81 h		
AGENT TYPE		GAL	IN		DESCRIPTION OF JO	DB	3-13	11. 11. 11. 11. 11. 11. 11. 11. 11. 11.	3%.	
		GAL -LP	IN							
UID LOSS ADD.	TYPE	GALLD								
		GALLB								
ELLING AGENT T	TYPE	GALLB	IN							
ELLING AGENT T	TYPE	GALLB	IN		JOB DONE THRU:	TUBING	CA	SING 🔣 AI	NNULUS 🔲	TBG./ANN.
ELLING AGENT T RIC, RED. AGENT REAKER TYPE	TYPE	GALLB GALLB	IN IN		JOB DONE THRU:	TUBING	CA	SING A	NNULUS [TBG./ANN.
ELLING AGENT 1 RIC, RED. AGENT REAKER TYPE OCKING AGENT	TYPE	GALLB GALLB	IN IN IN IN IN IN		CUSTOMER	TUBING	CA:	SING A	NNULUS [TBG./ANN.
ELLING AGENT 1 RIC. RED. AGENT REAKER TYPE LOCKING AGENT ERFPAC BALLS 1	TYPE	GALLB GALLB	IN IN IN IN IN IN		•	TUBING [CA.	SING A	NNULUS 🗌	TBG./ANN _.
CLLING AGENT 1 IC, RED. AGENT EAKER TYPE OCKING AGENT RFPAC BALLS 1 'HER	TYPE	GALLB GALLB	IN IN IN IN IN IN		CUSTOMER REPRESENTATIVE	TUBING	DA W.A	DING A	COPIES	c and
ELLING AGENT 1 REAKER TYPE OCKING AGENT ERFPAC BALLS 1 THER	TYPE	GALLB GALLB	IN IN IN IN IN IN		CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR	TUBING	CA:	ING A		c and
ELLING AGENT 1 RIC, RED. AGENT REAKER TYPEOCKING AGENT ERFPAC BALLS 1 THER	TYPE	GALLB GALLB	IN		CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA	X \	Dr Dr	SING A	COPIES	
ELLING AGENT 1 RIC, RED. AGENT REAKER TYPEOCKING AGENT ERFPAC BALLS 1 ITHER	TYPE	GALLB GALLB	IN IN IN IN IN IN		CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA	TUBING DITIVES	Dr Dr	SING A	COPIES	c and
ELLING AGENT 1 RIC, RED. AGENT REAKER TYPE COCKING AGENT ERFPAC BALLS 1 THER STAGE NUM OF SA	TYPE	GALLB GALLB	IN	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD	X \	DA W.L.	SING A	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
CLLING AGENT 1 IC, RED, AGENT EAKER TYPE OCKING AGENT REFPAC BALLS 1 THER THER OF SA	TYPE	GALLB GALLB GALLB GALLB	IN	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD	X \	Dr.	SING A	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
LLING AGENT 1 IC, RED. AGENT EAKER TYPE OCKING AGENT RFPAC BALLS 1 HER HER STAGE NUM OF SA	TYPE	GALLB GALLB GALLB GALLB	IN	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD	X \	DA W.L	SING A	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
LLING AGENT 1 IC, RED. AGENT EAKER TYPE OCKING AGENT RFPAC BALLS 1 HER HER STAGE NUM. OF SA	TYPE	GALLB GALLB GALLB GALLB	IN	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD	X \	DA W.L.	SING A	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
LLING AGENT 1 IC, RED. AGENT EAKER TYPE OCKING AGENT RFPAC BALLS 1 HER HER STAGE NUM. OF SA	TYPE	GALLB GALLB GALLB GALLB	IN	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD	X \	DA.	SING A	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
ILLING AGENT 1 IC, RED, AGENT EAKER TYPE OCKING AGENT RFPAC BALLS 1 HER OF SA	TYPE	GALLB. GALLB. GALLB. BRAND	IN	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA	X \	N.W.	IVED FA	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
LLING AGENT 1 IC, RED. AGENT EAKER TYPE OCKING AGENT RFPAC BALLS 1 HER STAGE NUM OF SA	TYPE TYPE TYPE TYPE TYPE TYPE PRESSI	GALLB. GALLB. GALLB. BRAND JRES IN PSI	IN	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD MARY	DITIVES	VOLL	NIN TA	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
LLING AGENT 1 IC, RED. AGENT EAKER TYPE OCKING AGENT RFPAC BALLS 1 HER STAGE NUM OF SA	TYPE TYPE TYPE TYPE TYPE TYPE PRESSI	GALLB. GALLB. GALLB. BRAND	BULK SACKED	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD MARY PRESLUSH: BBLGAL	DITIVES	VOLL	MES TYPE	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
CLLING AGENT 1 IC, RED, AGENT 1 EAKER TYPE OCKING AGENT REPAC BALLS 1 THER STAGE OF SA	TYPE TYPE TYPE TYPE TYPE TYPE PRESSI	GALLB. GALLB. GALLB. BRAND JRES IN PSI	BULK SACKED	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD MARY	DITIVES	VOLL	MES TYPE PAD:	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
ELLING AGENT 1 RIC, RED. AGENT 1 REAKER TYPE	TYPE TYPE TYPE TYPE TYPE PRESSI	GALLB. GALLB. GALLB. BRAND JRES IN PSI DISPLACEMENT	INININININ	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD MARY PRESLUSH: BBLGAL	DITIVES	VOLL	MES TYPE PAD: F	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
ELLING AGENT 1 RIC, RED. AGENT 1 REAKER TYPE	TYPE TYPE TYPE TYPE PRESSI	GALLB. GALLB. GALLB. NT BRAND DISPLACEMENT MAXIMUM FRACTURE GRADIEN 5-MIN	BULK SACKED	CEMEN	CUSTOMER REPRESENTATIVE AND OPERATOR TOATA AD MARY PRESLUSH: BBLGAL LOAD & BKDN: BBLG TREATMENT: BBLG CEMENT, SLURRY	DITIVES	VOLL	MES TYPE PAD: F	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
ELLING AGENT TRIC, RED. AGENT TREAKER TYPE	TYPE TYPE TYPE TYPE PRESSI	GALLB. GALLB. GALLB. NT BRAND NT BRAND DISPLACEMENT MAXIMUM FRACTURE GRADIEN	BULK SACKED	CEMEN	CUSTOMER REPRESENTATIVE A HALLIBURTON OPERATOR T DATA AD MARY PRESLUSH: BBLGAL LOAD & BKDN: BBLG TREATMENT: BBLGA	DITIVES	VOLUE TO THE PARTY OF THE PARTY	MES TYPE PAD:	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
RELLING AGENT TO RIC, RED. AGENT TO REAKER TYPE	TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYPE	GALLB. GALLB. GALLB. BRAND NT BRAND JRES IN PSI DISPLACEMENT MAXIMUM FRACTURE GRADIEN' 5-MIN AULIC HORSEPOWER ABLE	BULK SACKED	CEMEN	CUSTOMER REPRESENTATIVE AND OPERATOR TOATA AD MARY PRESLUSH: BBLGAL LOAD & BKDN: BBLG TREATMENT: BBLG CEMENT, SLURRY	DITIVES	VOLUE TO THE PARTY OF THE PARTY	MES TYPE PAD: F	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
ELLING AGENT TRIC, RED. AGENT TREAKER TYPE	TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYPE	GALLB. GALLB. GALLB. BRAND NT BRAND JRES IN PSI DISPLACEMENT MAXIMUM FRACTURE GRADIEN' 5-MIN AULIC HORSEPOWER	BULK SACKED	CEMEN	CUSTOMER REPRESENTATIVE AND OPERATOR TOATA AD MARY PRESLUSH: BBLGAL LOAD & BKDN: BBLG TREATMENT: BBLG CEMENT, SLURRY	DITIVES	VOLUE TO THE PARTY OF THE PARTY	MES PAD: FILLED DISPLANCE INTERPRETATION TO A TOP TO A TO	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL
ELLING AGENT 1 RIC. RED. AGENT REAKER TYPE LOCKING AGENT ERFPAC BALLS 1 THER THER STAGE NUM. OF SA	TYPE TYPE TYPE TYPE TYPE TYPE PRESSI	JRES IN PSI DISPLACEMENT MAXIMUM FRACTURE GRADIEN' 5-MIN AULIC HORSEPOWER RAGE RATES IN BPM	BULK SACKED	CEMEN	CUSTOMER REPRESENTATIVE AND OPERATOR TOATA AD MARY PRESLUSH: BBLGAL LOAD & BKDN: BBLG TREATMENT: BBLG CEMENT, SLURRY	DITIVES	VOLUE TO THE PARTY OF THE PARTY	MES PAD: FILLED DISPLANCE INTERPRETATION TO A TOP TO A TO	COPIES REQUESTED YIELD CU.FT./SK.	MIXED LBS./GAL

15-163-23283-00-00

PAGE NO.

HALLIBURTON

JOB LOG HAL-2013-C WELL NO. 82/8, STAMPOL PRESSURE(PSI) TUBING CASING DESCRIPT LASSIMA SURFACE PETEOI PUMPS CHART NO. WOLUME WERLD (OM) DESCRIPTION OF OPERATION AND MATERIALS RATE TIME 1200 CAUS OUT BUCDORY ROT 22WED - LOTINOU KO OOF 1850 BREIN COLDIOTEDÀ 1845 0 COE MOX COMPUT 1912 FIJISH MOZING 1913 RELUNSE PLUG 512 1914 450 DEPORE PLUG 750 PUG DOW 78.4 1930 REWASE PSI 1931 CYL FLOAT HELD 30 SKY COMED TO PET CIRCUMILD WASH UP QU YJAS 2030 JUN COMPRETE THANK YOU WAYNE PAC DOVE RAY

FIELD OFFICE