#### RECEIVED

#### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

SEP 2 0 2001

#### **WELL COMPLETION FORM**

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

KCC WICHITA	URIGINAL URIGINAL
Operator: License # 04782	API No. 15 - 175-21848 - 0000
Name: ENSIGN OPERATING CO.	County: SEWARD
Address: 5555 NW GRAND BLVD., STE 249 900 36 TH RVENUE	st 5/2 N/2 SE Sec. 18 Twp. 33 S. R. 31 ☐ East ✓ West
City/State/Zip: OKLAHOMA CITY, OK 73142	1650' feet from S N (circle one) Line of Section
Purchaser: WILLIAMS FIELD SERVICE KCC WICHITA	1320 feet from (E) W (circle one) Line of Section
Operator Contact Person: GODFREY J. HOLASEK, JR.	Footages Calculated from Nearest Outside Section Corner:
Phone: (405) 329-3226 extension 101	(circle one) (NE) SE NW SW
Contractor: Name: CHEYENNE DRLG., INC	Lease Name: DUDREY Well #: 3-18
License: #5382	Field Name: EAST HUGOTON
Wellsite Geologist: N/A	Producing Formation: CHASE
Designate Type of Completion:	Elevation: Ground: 2746' Kelly Bushing: 2752'
New Well Re-Entry Workover	Total Depth: 2720' Plug Back Total Depth: 2709'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 625 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth tow/sx cmt.
Well Name:	000 0/1/2
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan ALT 1 97 8/21/02  (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr/SWD	Chloride content 1100 ppm Fluid volume 2000 bbls
Plug BackPlug Back Total Depth	Dewatering method used Evaporation
Commingled Docket No	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
07/14/01	Lease Name: License No.:
O6/04/01 O6/05/01 O8/06/01 Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R 🗌 East 🗌 West
Recompletion Date Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING
4) (CHANGE NEW MEDICAL PROPERTY MEDICAL PROPERTY CONTROL OF CONTR	te 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: Surfrey Anlaner, M.	KCC Office Use ONLY
Title: District Manager Date: 09/13/0	Letter of Confidentiality Attached
Subscribed and sworn to before me this <u>13th</u> day of <u>September</u>	, If Denied, Yes Date:
19_2001	Wireline Log Received
And N/Ray	Geologist Report Received
Notary Public: AVY COMMUNICION EXPIRES OF 00 200	UIC Distribution
Date Commission Expires: MY COMMUSSION EXPIRES 07-09-20	03

perator Name: EN	SIGN OPERATIO	10 00.	Lease	Name: DUDREY		. Well #: <u>3-1</u>	<del></del>
ec. <u>18</u> , Twp. 3	33 - S- R <sub>2</sub> -31	☐ East	County:	SEWARD		<del></del>	
JSTRIICTIONS: SI	now important tons a	and base of formations	penetrated i	Detail all cores Repo	rt all final copies of	drill stems te	ests giving interval
sted, time tool oper	n and closed, flowing	g and shut-in pressures	s, whether sh	ut-in pressure reached	i static level, hydros	static pressure	es, bottom hole
		s if gas to surface test, final geological well site		nal chart(s). Attach ex	tra sheet if more sp	ace is neede	d. Attach copy of all
			торока .	·.	<u> </u>	<u>.</u>	
rill Stem Tests Take (Attach Additional		☐ Yes 🌁 No		Log Format	tion (Top), Depth an	ıd Datum	Sample
amples Sent to Geo	ological Survey	Yes No		Name		Тор	Datum
ores Taken		Yes No		Herrington	Zone	2542 <b>¹</b>	
ectric Log Run (Submit Copy)	_ogˈRun ∑ Yes ☐ No			U. Krider 2	Zone	2578. <b>'</b> 2606 <b>'</b>	
st All E. Logs Run:	•	norm I go o					:
•	tron (Gased	Hole)					
			, ,				
					•		
	·		G RECORD	New Used			<u></u>
	Sire Hele	Report all strings set	t-conductor, sur Weig	rface, intermediate, produ ht Setting	tction, etc.	# Sacks	Type and Percent
Purpose of String	Size Hole Drilled	Set (In O.D.)	Lbs. /		Cement	Used	Additives 1/4" / SX flo
Prod Csg	7-7/8"	4-1/2"	10.5	2720	Poz Lite	620	10# / sx Gils
Surface	12.3"	8 3/8"	24	625	35/65 Poz	165	
	ŀ			· .			
	•	ADDITIONA	AL CEMENTIN	IG / SQUEEZE RECOR	RD		
Purpose:	Depth Top Bottom	Type of Cement	#Sacks			ercent Additives	;
Perforate	10p Bottom		+				
Protect Casing Plug Back TD						- <del></del>	
Protect Casing		·				· · · · · ·	
Protect Casing Plug Back TD	PERFORATI Specify	ION RECORD - Bridge Pli Footage of Each Interval P	ugs Set/Type erforated		racture, Shot, Cement Amount and Kind of Mal		rd . Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot	Specify	Footage of Each Interval P	ugs Set/Type 'erforated		Amount and Kind of Mat	terial Used)	rd Depth
Protect Casing Plug Back TD Plug Off Zone	Specify Herrington	ION RECORD - Bridge Pli Footage of Each Interval P 22542'-2556' 2578'-2598'	lugs Set/Type Perforated	Acidiz		ft w/	rd . Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot	Specify Herrington U. Krider	Footage of Each Interval P 22542 ' -2556 ' 2578 ' -2598.'	Perforated	Acidiz	Amount and Kind of Maled 50 gal/:	ft w/ ones.	rd Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot	Specify Herrington U. Krider	Footage of Each Interval P	Perforated	Acidiz	ed 50 ga1/:	ft w/ ones.	rd Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot	Specify Herrington U. Krider	Footage of Each Interval P 22542 ' -2556 ' 2578 ' -2598.'	Perforated	Acidiz	Amount and Kind of Maled 50 gal/:	ft w/ ones.	rd Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot	Specify Herrington U. Krider L. Krider	Footage of Each Interval P 22542 ' -2556 ' 2578 ' -2598 ' 2606 ' -2634 '	Perforated	Acidized PPI too	Amount and Kind of Maled 50 gal/:	ft w/ ones.	rd Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot	Specify Herrington U. Krider	Footage of Each Interval P 22542 ' -2556 ' 2578 ' -2598.'	Perforated	Acidized PPI too	Amount and Kind of Maled 50 gal/:	ft w/ ones.	rd Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot  1  TUBING RECORD	Specify Herrington U. Krider L. Krider	Footage of Each Interval P 22542'-2556' 2578'-2598' 2606'-2634' Set At 2564	Packer A N/A	Acidized PPI too	Amount and Kind of Maled 50 gal/: ol on all zo FE- HCL Ac	ft w/ ones.	rd Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot  1  TUBING RECORD  Date of First, Resume 07/14/01  Estimated Production	Specify Herrington U. Krider L. Krider Size 2-3/8 d Production, SWD or E	Footage of Each Interval P 22542'-2556' 2578'-2598' 2606'-2634' Set At 2564	Packer A N/A	Acidize PPI too 7-1/2%	Amount and Kind of Maled 50 gal/: ol on all zo FE- HCL Ac	ft w/ ones.	Depth
Protect Casing Plug Back TD Plug Off Zone  Shots Per Foot  1  TUBING RECORD  Date of First, Resumed 07/14/01	Specify Herrington U. Krider L. Krider Size 2-3/8 d Production, SWD or E	Footage of Each Interval P	Packer A N/A ethod	Acidize PPI too 7-1/2% t Liner Run  Flowing Pum	Amount and Kind of Maled 50 gal/: ol on all zo  FE- HCL Ac  Yes X No  Inping Gas Lift  Bbls. G	ft w/ ones.	Depth  ner (Explain)  Gravity

### Schlumberger



	ADT	#15	175-0	1184	P		Customer	,	LIEVEN	ini=	DRILLING				umber	140	
Well	1 PH	_~~	11070	0/0.77	J La	cation (leg:	en e		(1 La   Ca)		Dowell Loc				202212 Јов Sta		4
		DUDRE	V 3.18			-auni lea				'			- 1/0	1			
Field		שאטטעב	., 3-10	Formatio	n Name/Typ			-	-1-41			Ulysse	<del></del>			4/01	4
, 1014				- Ormatio				190	/iation	_	Bit Siz		Well M		Well TV		
Country			<del></del>	04-4-07		face		<del> </del>	0		12.3		<u> </u>	25 ft		525 ft	╛
County				State/Pro				BHI	P	"	BHST	В	HCT	Pon	e Press.	Gradient	}
· <del></del>		WARD		L	<del></del> -	ISAS			0 ps	si	75°	F	70 °1	F.L	0	psi/ft	
Rig Nar	700	į	Drilled For			Service Via	•				C	asing	/Liner				
CH	EYENNE 8		Gas		-	La	nd	D	epth, ft		Size, în	Work	jht, lb/ft	Grad	le	Thread	1
Offshor	e Zone		Well Class		Well Ty	<b>**</b>			625		8,625		24				1
		1	N	₽W	ĺc	evelopm	ent	<u> </u>	0	$\top$	0		0	<del>                                     </del>			†
Drilling	Fluid Type			Max. D			c Viscosity				Till	hina#1	rill Pipe				
Spudi	Mud				9.1 lb/ga		0 cp	E	epth,		Size, in		int, ib/ft	Grad		Thread	4
Service			Job Type		96		<u> </u>	<del> </del>	0	+	0					.,,,,,,,,	1
	Cementing	a		m Surface	Cacino			<del>  -</del>	0	+			0		<del></del>		1
May All	lowed Tubing		Max. Allowe			liHead Con		144444			0		0			composite	1
ze. Mi	_		IIIA AIIUTE										Open H				1
	Op	SI		0 psi	Sir	igle ceme	ent head	<del>├</del> -	ip, ft		ttorn, ft	spf	No.	of Shots	Total	interval	
	Instructions	_						L	0		0	0		0		O ft	
Safely	cement 8 5	/8 surface	casing as p	er custom	er's reque	st		L	0		0	0		0	Diam	eter	-
									0		0	0		0	0	in	
								Trea	rt Down		Displacer	nent	Packer	Туре	Pack	er Dopth	1
	,							(	asing		.0	bbi	1		Į	O ft	
									ing Vol.	-	Casing Vo		Annula	r Vol.	Open	Hole Vol	1
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C	esing/Tubing	Secured .	1 Ho	ie Volume C	reulated pr	or to Com	enting				rools		<u> </u>	Squeeze	Inh	<u> </u>	┨
ift Pressu			68 psi				الما	Sho	e Type:	iig i	Guide	+	Squeeze 1	<u> </u>	- JOD		ł
		Rotated	00 p3i		Di	pe Recipro	- Independ		e Depth:								-
io. Centra	·	3	Top Plugs:			n Plugs:		<del></del>			625		Tool Type				}
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ob Sched	<del></del>		Single Infred on Loc					<u> </u>	Tool Di	epu:	<u>_</u>	<del></del>	Tail Pipe S			0 in	ļ
		.[				ve Locatio			ar Type:		insert		Tail Pipe I			Oft :	1
6/4/01			6/4/01	14:00	6/4	01 1	8:00	Coll	er Depth:			ft	Sqz Total	Vol:		O bbi	
Time	CPT778 THO	Density	Pressure	U1 Rate	E#H								Mess	age			
24 hr																	
clock	bpm	P99	psi .	j	m												
4:31	0	0	0			0	0		0	s	START A	couls	ITION				1
4:32	0.	8.31	0.	0		0	0		0								
4:32	0.	8.31	Q.	O		0	0		0	P	ressure	Test Li	nes				)
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7.71	<u> </u>	12.04	196.9	5.2	a	0	0	- 1	0	- }						1	

Well			Field			Service Date	e Cus	tomer
	DUDRE	Y #3-18						CHEYENNE DRILLING 20221212
Time	CPT773 THO	Density	Pressure U1	Rate E+H				Message Message
24 hr								
clock	bpm	PP9	psi	bpm				
4:42	0.	12.23	206.	6.11	0	0	0	
4:42	0.	11.8	192.3	7.63	0	0	0	KCC MICHITA
4:43	0.	11.27	183.2	9.33	0	0	0	The same of the same of the same
4:43	0.	11.37	174.	7.07	0	0	0	The second secon
4:44	0.	12.03	164.8	4.52	0	0	0	2 200
4:44	0.	11.61	164.8	8.63	0	0	0	4 SU(2)
4:45	0.	12.	164.8	8.95	0	0	0	· · · · · · · · · · · · · · · · · · ·
4:45	0.	12.12	164.8	6.83	0	0	0	
4:46	0.	12.13	187.7	7.59	0	0	0	
4:46	0.	12.03	219.8	7.49	0	0	0	
4:47	0.	12.37	196.9	7.77	0	0	0	
4:47	<b>O</b> .	12.23	178.6	8.95	0	0	0	
4:48	O	11.81	160.3	4.64	0	0	0	
4:48	0.	11.5	96.15	10.05	0	0	0	
4:49	0.	13.52	114.5	25.31	0	0	0	
4:49	0.	14.58	164.8	4.92	0	0	0	
4:50	0.	15.31	41.21	2.24	0	0	0	
4:50	O.	14.48	137.4	4.78	0	0	0	
4:51	0.	15.19	119.	4.84	0	0	0	
4:51	Q.	14.9	146.5	4.9	0	0	0	
4:52	0.	14.71	114.5	4.84	0	0	0	
4:52	0.	14.68	119.	5.11	0	0	0	
4:53	0.	14.72	155.7	4.84	0	0	0	
4:53	0.	14.7	137.4	4.88	0	0	0	
4:54	0.	14.61	132.8	4.98	0	0	0	
4:54	0.	14.08	151.1	6.03	0	0	0	
4:55	0.	14.	123.6	5.17	0	0	0	<u> </u>
4:55	0.	14.74	-9.16	0.719	0	0	0	
4:56	0.	9.07	<b>-9</b> .16	3.3	0	0	0	
4:56	0.	8,91	-4.58	0.	0	0	0	
4:57	0.	8.64	32.05	3.78	0	0	0	
4:57	0.	8.7	32,05	4.94	0	0	0	
4:58	0.	8.38	41.21	4.8	0	. 0	0	
4:58	0.	8.33	22.89	5.41	0	0	0	
4:59	0.	8.33	22.89	5.41	0	0		on disp
4:59	0.	8.39	32.05	5.35	0	0	0	
4:59	О.	8.39	32.05	5.35	0	0		circ cmt
4:59	<u>O.</u>	8.35	27.47	6.65	0	0	0	
5:00	0,	8.33	36.63	5.21	0	0	0	
5:00	0.	8.33	59.52	5.09	0	0	0	
5:01	0.	8.33	73.26	5.15	0	0	0	
5:01	0.	8.3	96.15	5.05	0	0	0	
5:02	0.	8.32	123.6	5.	0	0	0	
5:02	0.	8.32	109.9	4.94	0	0	0	
5:03	0.	8.32	119.	4.92	0	0	0	
5:03	0.	8.32	59.52	4.32	0	0	0	
5:04	0.	8.32	119.	2.08	0	0	0	
5:04	0.	8.32	169.4	2.06	0	0	0	
5:05	0.	8.32	164.8	2.02	0	0	0	
5:05	0.	8.32	183.2	2.02	0	0	0	
5:06	0.	8.32	160.3	2.02	0	0	0	
5:06	0.	8.32	467.	0.	0	0	0	
5:07	0.	8.32	9.16	0.	0	0	0	
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Well			Fiel	<u>a</u>		Service Da	ata I	Custome		HL	
	DUDR	EY#3-18		ੋਂ <i>ਦੋ</i>			_		EYENNE DRILL		20221212
Time	CPT773 TH	Density	Pressure U1	Rate E+	•					Message	
24 hr											
clock	- bpm -	779	psi	bpm_							
5:08	О.	8.32	-4.58	0.22	0	0	C	)			
5:08	0.	8.32	-4.58	0.22	0	0	0	) bur	np plug		
5:08	Q.	8.32	-4.58	0.22	0	0	0	) circ	40 bbls cmt		
5:08	0.	8.32	-4.58	0.22	0	0	0	) plu	g down 1707		
5:08	0.	8.32	0.	0.22	0	0	C	)			
					Post	Job Summary					
		Average Pu	ımp Rates,	bpm				Volun	ne of Fluid Inject	ed, bbl	
Slurry		N2	Mud	M	laximum Rate	Total Slurry		Mud	Spa	cer	N2
	3		ם	0	5	91	{	0	ļ	10	0
		Treating	Pressure Sur	nmary, psi				Bre	akdown Fluid		
Maximu	ım Fin	al Ave	rage Bun	ap Plug to	Breakdown	Туре		Volu	ime	Dens	ity
300	o '	700	0	800	0		- 1		O bbi		Olb/gal
Avg. Na	? Percent	Designed S	lurry Volume	Displace	ment	Mix Water Temp		Cement Circ	ulated to Surface?	Volume.	40 bbl
	0 %		93 bbi	39	bbl	65 °F	۱ 🗖 ۱	Washed The	u Perfs To	0 f	t
Custom	er or Authoriz	red Representat	tive	Dowell St	pervisor						
	Domaso					Shubhanan Da	kshinda	s   📋 '	CirculationLost	<b>√</b> Jo	b Completed

RECEIVED

1 JUN 2 1 2002

KGC WICHITA

Schlumberger

### **Service Order**



Customer				P	erson	Taking Call			Dowell Loc	ation		Orde	rDate	1	ob Number	]
CHEYEN	NE DRILLIN	G		C	harle	y King			Ulys	ses	, KS		6/	1/01 2	20221212	
Well Name a	and Number			Legal L	ocatio	n	Field				County				Province	1
DUDREY	3-18										SEWAR	RD.		KANS	SAS	1
Rig Name			We	II Age		Sales En	gineer				Job Ty	pe				1
CHEYEN	NE 8		Ne	ew.	ļ	Charley	King				Cem S	Surface	e Casi	ing		}
Time Well R	leady:	Deviation		Bit S	Size	V	ell MD	Well	TVD	·	BHP		BHS	T	ВНСТ	1
6/4/0	01 3:00 PM	0	•	}	0 in		625 ft		625 ft		0	psi		75 °F	70 °F	}
Treat Down	Packer	Type i	acker [	Depth	Wei	ilHead Con	nection	ННР оп	Location	M	ax AllowedPn	essure	M	ax Allowe	d AnnPressure	1
Casing		ļ		0ft	Sir	ngle ceme	ent head		0				0		0	
kratija ja	Edrin a.s.	Casing	41			4	Servic	es Instr	uctions:							1
Depth, ft	Size, in	Weight,	lb/fit	Grade	е	Thread	Safely	cement	8 5/8 surfa	ice d	casing as p	er cusi	tomer	's reques	st	ĺ
62	25 8.625	24					]									}
0	0	0					]									}
		Tubing	- 200	Hille	gir.#											Ì
Depth,	Size, in	Weight,	bift	Grade	e	Thread									ham ham and the	
0	0	0													LIMIT P	WE
0	0	0					1	Equipm				<b>.</b>			Hts	Lina
	Per	forated Int	ervals	3	tier		auto fill		entralizer	s, m	ay only run	3 or 4			. ANN S	20
Top, ft	Bottom, ft	spf	No. o	of Shots	Tota	i interval	top plug								kn.	
0	0	0		0	}	0 ft	Thread	I lock							KCC WIC	;H17
0	0	0		0	Dia	meter										,,
0	0	0		0		0 in										

Contact	Voice	Mobile	FAX	Notes	
Domaso		272-1393			

Notes:		<del></del>		
8 5/8 head, swedge and manifold				
			•	
·	;			
	:			
Directions:				

UKS E to 83-S to 160E - 6E on 160 to rd R - S to highway 54 - NE on 54 to top of first hill - E on meade lake rd ~ 1 mile - N into

Other Notes:

#### SALES ORDER



ORIGINALED 21 2000

Halliburton Energy Services, Inc.

Sales Order Number: 1331739

Sales Order Date: June 04, 2001

SOLD TO:

ENSIGN OPERATING COMPANY

1225 SEVENTEENTH STREET SUITE 1900

DENVER CO 80202

USA

Ticket Type:

Services

Well/Rig Name:

ENSIGN DUDREY 3-18, SEWARD

Company Code:

1100

Customer P.O. No.:

N/A

Shipping Point: Sales Office:

Liberal, KS, USA Mid-Continent BD RM

SHIP TO: Well Type:

ENSIGN DUDREY 3-18, SEWARD **DUDREY** 

Well Category:

Oil

Service Location:

Development

0037

Payment Terms:

Net due in 20 days

LIBERAL KS 67901 USA

Material	Description	QTY	иом	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
7523	PSL - CMT PRODUCTION CASING - BOM 1P035		ЈОВ					
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT"	30	МІ		4.41	132.30	33.08-	99.22
	Number of Units	1	unit					
2	MILEAGE FOR CEMENTING CREW,ZI	30	МІ		2.60	78.00	19.50-	58.50
	000-119 Number of Units	1	unit					
16091	ZI - PUMPING CHARGE	1	EA		2,167.00	2,167.00	541.75-	1,625.25
	DEPTH FEET/METRES (FT/M)	2,720 FT		:				
132	PORTABLE DAS,/DAY/JOB,ZI	1	JOB		916.00	916.00	229.00-	687.00
	045-050 NUMBER OF DAYS	1	Days					
141	RCM II W/ADC,/JOB,ZI	1	ЈОВ		970.00	970.00	242.50-	727.50
	046-065							



ORIGINAL

Halliburton Energy Services, Inc.

Sales Order Number: 1331739

Sales Order Date: June 04, 2001

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	Dannington	OTV		Base	Unit	Gross	D:	Net
Material	Description NUMBER OF UNITS	QTY	UOM	Amount	Amount	Amount	Discount	Amount
	NUMBER OF UNITS	I	each					[
74038	ZI PLUG CONTAINER RENTAL-1ST	1	EA	643.00	643.00	643.00	160.75-	482.2
	DAY							
	DAYS OR FRACTION (MIN1)	1	Days	'			i	
100076190	SHOE,IFS,4 1/2 8RD,INSR FLPR V	1	EA		115.00	115.00		115.00
	SHOE, IFS, 4 1/2 8RD, INSR FLPR Valve / SHOE-							
	IFS- 4-1/2 8RD - INSERT FLAPPER / VALVE		}			}		
•	.,							
100013930	FILUP ASSY,1.250 ID,4 1/2,5 IN	1	EA		45.00	45.00	11.25-	33.75
	INSR			j				
	27815.19113 / FILLUP ASSY - 1.250 ID - 4-							
	1/2 - / 5 IN. INSERT FLOAT VALVE			}			ļ	
100004491	CTRZR ASSY,TURBO,API,4 1/2 CSG	5	EA		78.75	393.75	98.44-	295.31
	X 7 7/8		[	Į		[	į	
	40 806.60104 / CENTRALIZER ASSY - TURBO -							
	API - / 4-1/2 CSG X 7-7/8 HOLE - HINGED - /		1	l				
	W/WELDED IMPERIAL BOWS AND FLUID / DEFLECTOR					1		
	FINS							
100013745	PLUG ASSY - 3W LATCHDOWN - 4-	1	EA		314.60	314.60	78.65-	235.95
	1/2 IN					ĺ		
	593801.0373 / PLUG ASSY - 3 WIPER LATCH-			ł				
	DOWN - 4-1/2 / CSG		1			j	}	
100004364	BAFFLE ASSY - 4-1/2 8RD	1	EA		131.00	131.00	32.75-	98.25
	LATCHDOWN PLUG		1			-		
	594801,03734 / BAFFLE - CAST IRON - 4-1/2							
	8RD LATCH / DOWN PLUG							
100004638	CLAMP-LIMIT-4 1/2-FRICT-W/DOGS	1	EA		30.00	30.00	7.50-	22.50
100004038	CLANII CHAIL VIZING WZ	•			20.00	50.00	7.50	22.30
	XXXXXXX 806.72720 / CLAMP - LIMIT - 4-			1	•		1	
	1/2 - FRICTION - / W/DOGS			ŀ				
100003800	CHEM-BE-6 BACTERIACIDE	1	LB		107.00	107.00	26.75-	80.25
100000000		•		ļ	.07.00	107.00	20.75	00.23
	516,00771 / CHEMICAL - BE-6 BACTERICIDE -				}			
	48 / ONE POUND BAGS/FIBER DRUM - REPLACES /		1		Ì			
	FDP-F496-92 UNDER 999.99177			f				
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Halliburton Energy Services, Inc.

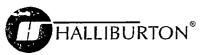
### ORIGINAL

Sales Order Number: 1331739

Sales Order Date: June 04, 2001

Material	Description	QTY	иом	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
100001585	CHEM-KCL POTASSIUM CHLORIDE - 50#	400	LB		0.54	216.00	54.00-	162.00
	70.15302 / CHEMICAL - KCL POTASSIUM CHLORIDE - / 50 LB SACK OR BAG							
14239	SBM PREMIUM PLUS 50/50 POZ	470	SK		13.10	6,157.00	1,539.25-	4,617.75
	504-132			,	·			
101216940	Chemical - Poly-E-Flake (25# bag) NO PART NUMBER PRIOR TO SAP	155	LB		2.71	420.05	105.01-	315.04
100003700	Chem- Gilsonite (Bulk)	5,450	LB		0.69	3,760.50	940.13-	2,820.37
i	508-292 516.00337 / CHEMICAL - GILSONITE - BULK							
	Cement- Class C / Premium Plus (Bulk) 504-050516.00265 / CEMENT - CLASS C -	150	sk		19.39	2,908.50	727.13-	2,181.37
ľ	PREMIUM - BULK							
	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI 500-207	761	CF		2.47	1,879.67	469.92-	1,409.75
	NUMBER OF EACH	1	each					
	ZI MILEAGE,CMT MTLS DEL/RET MIN 500-306 / MILEAGE,CMTG MTLS DEL/RET PER/TON	900	MI		1.51	1,359.00	339.75-	1,019.25
	MLMIN NUMBER OF TONS	1.00	ton					
	SALES ORDER AMOUNT					22,743.37	5,657.11-	17,086.26
	Sales Tax - State Sales Tax - County							680.59 15.25
	Sales Tax - City/Loc							138.88
	SALES ORDER TOTAL							17,920.98 US Dollars
							Frankling Gelekten	

		Page 3 of	3			<u> </u>	
Operator Name: Customer Agent:	Halliburton Approval: X						
NVOICE INSTRUCTIONS:					I JUN O		
					B. B	US Do	
SALES ORDER TOTAL						17,92	
Sales Tax - County Sales Tax - City/Loc						13	



Sales Order Number: 1331739

Halliburton Energy Services, Inc.

ORIGINAL

Sales Order Date: June 04, 2001

						AL PARTY.		
Material	Description	QTY	иом	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
100001585	CHEM-KCL POTASSUM CHLORIDE - 50# 70.15302 / CHEMICAL - KCL POTASSIUM , CHLORIDE - / 50 LB SACK OR BAG	400	LB		O state	216.00	54.00-	162.00
14239	SBM PREMIUM PLUS 50/50 POZ	470	SK		13.10	6,157.00	1,539.25-	4,617.75
	504-132							
101216940	Chemical - Poly-E-Flake (25# bag) NO PART NUMBER PRIOR TO SAP	155	LB	and the second second	2.71	420.05	105.01-	315.04
100003700	Chem- Gilsonite (Bulk)	5,450	LB		0.69	3,760.50	940.13-	2,820.37
	508-292							
	Cement- Class C / Premium Plus (Bulk) 504-050516.00265 / CEMENT - CLASS C -	150	SK		19.39	2,908.50	727.13-	2,181.37
	PREMIUM - BULK							
į	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI 500-207	761	CF		2.47	1,879.67	469.92-	1,409.75
	NUMBER OF EACH	1	each			İ		
	ZI MILEAGE,CMT MTLS DEL/RET MIN	900	мі		1.51	1,359.00	339.75-	1,019.25
	500-306 / MILEAGE,CMTG MTLS DEL/RET PER/TON MI.MIN NUMBER OF TONS	1.00	ton					
	SALES ORDER AMOUNT					2,743.37	5,657.11-	17,086.26
	Sales Tax - State Sales Tax - County							680.59
-	Sales Tax - City/Loc							15.25
	SALES ORDER TOTAL							17,920.98 US Dollars
								and The forms of

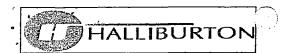
		US Dolla
		for the same
IVOICE INSTRUCTIONS:		1 JUN 2 1 ::
Operator Name: Customer Agent:	Halliburton Approval: XCustomer Signature: X	Kra:
	Page 3 of 3	

HALLIBURTON		<u>IO. SUMN</u>	//AR	Y	ميليد دمسي سيسمين		739	06/05/01			
NORTH AMERICA LAND		USA				KS.		COUNTY SEWARD			
MCLI0104/105848		HES EMPLOYEE NAME JOHN WOODF	ROW			Cementi	ng Servic	es ()R	GIN	ΙΔΙ	
LIBERAL, KS.		ENSIGN OPER	RATING	G.		CUSTOMER REP	/ PHONE	LL BLAGRA	VE		
TICKET AMOUNT \$17,920.98		WELL TYPE GAS				API/UWI # 15-175-2	18480000				
WELL LOCATION LIBERAL, KS.		DEPARTMENT ZONAL	ISOL	ATION	<del></del>	5AP BOMB NUMB 7523	ER De	scription ement Prod	uction C	acina	
LEASE NAME DUDREY	Well No	o. SEC/TWP/RNG 8 18-33S-31W	. 1000	11101	·	HES FACILITY (CI	OSEST TO WELL !	SITE)	uction C	asing	
HES EMP NAME / EMP # / (EXPOSURE HOURS)	0   10-000-0144		HRS	<del> </del>	LIBERAL	., N.O. HRS			HRS		
Woodrow, J 105848		erguson, R 106154									
Wille, D 225409 Arnett, J 226567					<del></del>			<del> </del>			
				1.1							
	MILES	10240236 / 102402		TMILES			R/TMILE	s		R/TMILE:	
	ō	54029 / 75821		30							
ļ		<del></del>	<del>-  </del> -	-			<del></del>				
Form. Name	Type	:	<del></del>					<u> </u>			
Form. Thickness Fro Packer Type	m Set A	To	Date		d Out 5/06/2001	On Location 06/06/2	on Jo 2 <b>001</b>	b Started 06/06/2001	Job Co	ompleted /06/2001	
Bottom Hole Temp.	Press	sure							j		
Retainer Depth Tools and Acce	esson	Depth 2720 es	Time		2120	2330 Well E	)ata :	0601	06	3 <b>55</b>	
Type and Size Q Float Collar	ty	Make H	Casing		New/Used U		Size Grade		To	Max. Allow	
Float Shoe INSERT 4 1/2			Liner	9		10.5#	4 112	L KB	2,723	-	
Centralizers F.M. 4 1/2 5 Top Plug L.D. 4 1/2	5	0	Liner Tubing								
HEAD P/C 4 1/2		W	Drill Pi	ре				Shots/Ft.			
Limit clamp 4 1/2 1 Weld-A		С	Open Hole Perforations								
Guide Shoe		0	Perforations Perforations								
BTM PLUG Materials			Hours	On Lo	cation	Operating	Hours	Descript	ion of Job	ideath naistea	
Mud Type Den Disp. Fluid Der	sity 1sity_	Lb/Gal Lb/Gal	Dat	e	7.0	Date 6/6	Hours 1.0	·			
Prop. Type Size Prop. Type Size		Lb									
Acid Type Gal.		%					JOB PROCEDU				
Acid Type Gal. Surfactant Gal.		% 		<del></del>				SEE JOB LOG			
Surfactant Gal.  NE Agent Gal. Fluid Loss Gal/Lb		In						fine to the many of the total o			
Gelling Agent Gal/Lb		ln						Manuel of Process of Comments			
Fric. Red Gal/Lb Breaker Gal/Lb		in	Total	1852	7.0	Total :	1.0	1 Ally 2 1 On			
	Gal/LI Qty.	b							12	1246	
Other			Ordere	ed		Hydraulic Avail.		Used	C MC	HITA	
Other			Treatin	ıa	2	Average F Disp.	Rates in BP	Mਔ Overall			
Other Other				10		Cement	Left in Pipe	200			
Outei			Feet	10	<del></del> -	Reason		SHOE	JOINT		
Storo   Saskal Compat   Du					Data						
1 470 PP 50/50 POZ Bu	k/Sks lk/Sks	2% TOTALGEL, 1/8	Additive # POLY	FLAKE	, 10# GILSON	ITE / SK	··	W/Rq. 9.54	Yield   1.92	Lbs/Gal 12.20	
2 150 PREM PLUS Bu	lk/Sks	1/4# POLY FLAKE,	5# GILS	ONITE				5.84	1.34	14.8	
						<del></del>					
				mman		Turk springer may be					
Circulating	Displa	acement	- Ju	Pr	eflush:	BBI	10.00	Type:	2% H	(CL	
Lost Returns-\	Lost F	MUM Returns-N		Lo	ad & Bkdn: cess /Return	Gal - BBl 🗍 BBl		Pad:Bbl Calc.Dist		43	
Cmt Rtm#Bbl Actual TOC Average Frac. Gradient				Ca	alc. TOC:	Gal-BBI		Actual Di			
	5 Min.			C	ement Slurry	BBI	197.0	Disp:Bbl			
Frac Ring #1	- Fr	rac Ring # 2		To	tal Volume	BBI #3	250.00	Frac Ring #	Acrosco	SAME STATES	
THE INFORMATION STAT				: 1	1/ -	$\Omega$ /	RI	· icostanius	· · · · · · · · · · · · · · · · · · ·	AL CONTRACTOR STREET, STREET,	
CUSTOMER REPRESENT	ΓΑΤΙ\	VE		WL	lliam	SIGNATURE	Wagi	ave			

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# ORIGINAL

C) H	ALLIBU	, RTO	7	JOE	LOG			1331739	06/05/01					
REGION			NWA /	COUNTRY				BDA / STATE	COUNTY					
NORTH AI	VIERICA	LAND	US,	EMPLOYEE	NAME			KS. SEWARD						
MCL10104	/105848		JOI	IN WO	OODROV	<u>V</u>	Cementing Services							
LOCATION LIBERAL, P	S.		COMPA		SIGN OF	PERATIN	IG	CUSTOMER REP / PHONE BILL BLAGRAVE						
TICKET AMOUNT			MEIT.		GA		·	API/UWI #						
\$17,920.9 WELL LOCATION	0		DEPAR	IMENT	GP	10		5-175-21848001 JOB PURPOSE CODE	<u> </u>					
LIBERAL,	(S.	100		VAL IS	OLATIO	N		Cement Production Casing						
EASE NAME DUDREY		Well N 3-	18 18-	WP/RNG 338-31	VV	_		LIBERAL, KS.	WELLS					
ES EMP NAME/EMP # (E		H	RS HES EMP NAME			HRS HES EMP N	AME/EMP # (EXPOSIL		S HES EMP NAME/EMP (IEXPOSURE HOURS) HR					
Woodrow,			Fergus	<del></del>	<del></del>	<u> </u>	· · · · · · · · · · · · · · · · · · ·							
Wille, D 22			Gonzal	es, R 2	224608		· · · · · · · · · · · · · · · · · · ·							
Arnett, J 22	26567		<del>                                     </del>			<del>                                     </del>								
and the second second	ans Passes	ASSESSED AND A	de Grand and State State	i. Luir sans	: Comment Nation	e and a second	. Productive and Parties	eritant iki maralaga parasa da iki da k						
Chart	Time	Rate	Volum	Para	Drae	s.(PSI) #		lak n	scription / Remarks					
No.	7,1116	(BPM)	(BBL)(GAL)	N2	csg	1 1 Page 275 C	4	JOD De	ecipion remarks					
	0100	-, (=1, 19/3 <u>%</u>	" (COLNARL)	ar 1450.	100 COG (200	Tbg	JOB REA	DY						
	2120		1		1			OUT FOR JOB						
	2330		<del> </del>	1					/ PRE JOB SITE ASSESMENT					
							SPOT EQ							
	0100						START LA	PIPE						
	0415						START RUNNING 4 1/2 CSG. & FLOAT EQUIP,							
	0530		ļ		<u> </u>		CASING C	ON BOTTOM 2723 F	т.					
		<del></del>	<del>                                     </del>	<u> </u>		<b> </b>	HOOK UP							
	0545		<del> </del>	ļ		<b></b>	START CIRC. WITH RIG PUMP							
			+	<del> </del>	ļ · · ·	<del>  ·</del>	OOK UP TO PUMP TRUCK							
	0601		+	-	2000									
	0603	5.0	10.0	<del> </del>	2000 0-200	-	PUMP SP	MP & LINES						
• •	0607	6.0	160.0	<del>                                     </del>	200-180			IXING LEAD CMT. A	T 42 2# (CAL					
	0632	6.0	36.0	<del> </del>	190-250	<del></del>		IXING TAIL CMT. AT						
	0640			<b> </b>	100 200			MIXING CMT. / SHI						
	0642							JMP & LINES						
	0645			į.				SPLACING WITH 2%	KCL WATER					
					700-1500			PRESSURE BEFOR						
	0655		ļ		1500		PLUG DOV	NN / RELEASE FLO	AT					
			ļ	<del> </del>			FLOAT HE	LD						
:				<del>                                     </del>		<u> </u>			· · · · · · · · · · · · · · · · · · ·					
			<del> </del>	-										
			<del> </del>				TH,	ANK YOU FOR CALL	ING HALLIBURTON					
		·	<del> </del>				//	MOODY & CDC44	<del></del>					
h			†	<del> </del>			14	WOODY & CREW)						
	<del></del>		<del> </del>											
			†				<del></del>							
							<del></del>							
							-		Samuel Hamilton					



#### Work Order Contract \_\_ :

- 4

Order Number

1331739

Halliburton Energy Services, Inc. Houston, Texas 77056

0	R	IG	11	11	1 1	

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BEEOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. arm or Lease County State Well Permit Number 3-18 **DUDREY** SEWARD KS. 15-175-218480000 Well Owner Customer Job Purpose ENSIGN OPERATING ENSIGN OPERATING Cement Production Casing

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

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 Energy Services. Inc. (hereinafter "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 materiels. 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, or Halliburton's actual attorneys fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.
- C. RELEASE AND INDEMNITY Customer agrees to <u>RELEASE</u> 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 entitles Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to <u>DEFEND, INDEMNIFY, AND HOLD</u> Halliburton Group <u>HARMLESS</u> 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 contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, RIDERNITY AND HOLD HARMLESS obligations will apply even if the Rability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict Rability of one or more members of the Haliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Haliburton Group whether in the doslign, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Haliburton Group" is defined as Haliburton Energy Services, brc., its parent, substitiary, and affiliated companies, insurers and subcontractors and all its infectors, directors, employees, consultants and agents. <u>Customer's RELEASE, DEFENSE, NOENNITY AND HOLD HARMLESS</u> obligations apply whether the personal injury, it ness, death, property damage or loss is suffered by one or more members of the Haliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed hardin with flability insurance with finits of not less than \$500,000. Customer agrees to name Haliburton Group as named additional insurads on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

- D. EQUIPMENT LIABILITY Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radicactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulationy Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials white 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 group 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 Contract and that same are free from defects in workmanship and materials for thirty (30) days from the 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 or any equipment, products, or materials is expressly limited to the replacement of such on their return to 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 GROUP. Halliburton

personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group 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 or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. 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 Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.
- G. DISPUTE RESOLUTION Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules or the American Arbitration Association. The arbitration will take place in Houston, TX.
- H. SEVERABILITY If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable.

  Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.
- MODIFICATIONS Customer agrees that Ilalliburton shall not be bound by any modifications to this Contract, 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, 4100 Clinton Drive, Houston, TX, 77020.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

THE SAME AS COSTOMER'S AGENT

SIGNED: /////

CUSTOMER Authorized Signatury

DATE

6-6.01

TIME:

0/00

· Re Marine Comment of the Comment o

Customer Acceptance of Materiels and Services

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED

ORDER NUMBER 1331739

CUSTOMED Authorized Signetian

MID-CONTINENT NWA CEMENTING CALL FOR SALES & SERVICE MAKE SAFETY A CORE VALUE IN YOUR LIFE! PLEASE WORK & DRIVE SAFELY!



COMPANY ENSIG	CNI	ODEL	A TYNI		-			<del></del> -	0110		SAM	no.				DATE	6/4/2001	
					T	ZC 470	01 21		OWNER SAME DATE 6/4/2001									
BILLING ADDRESS									100	_		T			014	maaa	D21W	
	<u> </u>	nne D	rilling	Kig 8		PI 15-1							TWN, F		219	<del></del>	-R31W	
LEASE DUDRE					<u> </u>	LNO. 3						SEW.					IILEAGE30/30	
DIRECTIONS Lib	eral	I, KS	5 point	inter	secti	ion: 14	.5 Eas	t on l	HW	Y 5	4 to 1	Meade	e Lak	e Ro	ad, 1	l/8 Eas	t on Meade	
Lake Road, Nort	th 1/	/4 Mil	e to Lo	catio	n.				_							_		
				,														
QUOTE: 206856	579		S/O	- 133	3173	9	I	<b>B</b> - 1	331	740	)							
SURFACE INTER. LONG STRING YES								Ī	LINE	R			PLUC	BAC	K		PTA	
SQUEEZE WHIPSTOCK OTHER																		
CASING SIZE		GHT		THR	EAD			G CON	Ť		AGE	T	CSG SW	IVEL	TOP	PLUG	BOTTOM PLUG	
4.5"	10.	5#		8 r	d		Y	ES	- [	YE	ES							
TBG / DP SIZE	WEI	GHT		THR	EAD		TD	A EC			% EXC			MUE	WT		HOLE SIZE	
,							272	0 FT			OH.	100%	}				7 7/8"	
NUMBER AND TYPE TRUCKS WANTED RCM. Bulk Cement																		
REMARKS Fillup to surface 0% excess inside 8 5/8"																		
# OF SACKS 470 TYPE 50/50 Poz/C A							ADDITIVES 2% Total Gel, 1/4# Polyflake E, 10# Gilsonite/sk (PT-4 HRS)											
# OF SACKS	# OF SACKS TYPE						ES N	lix @	12.	2 p <sub>l</sub>	og, 1.9	92 cf/s	sk, 9.5	4 ga	l/sk	H2O		
# OF SACKS 150		TYPE	Prem 1	Plus		ADDITIV	es 1/	4# Po	lyfl	ake	E, 5	#/sk (	Filson	ite	()	PT-2 H	OURS)	
# OF SACKS	寸	TYPE	2			ADDITIV	es M	ix @	14.8	3 pp	og, 1.3	34 cf/s	k, 5.8	4 ga	l/sk	H2O		
# OF SACKS	7	TYPE				ADDITIV	es D	ISPĹ	ACI	E W	1/2%	POT	ASSI	UM ·	CHI	ORID	E & 1# BE-6	
# OF SACKS		TYPE				ADDITIV	ES		_					-				
SPACER TYPE			-	NTITY	,		REMA	RKS A	AHE	AD	OF C	EMEN	T					
2% KCI WATER SPACER TYPE	<u> </u>		10	bbl NTITY	· · ·		REMA	D)(0										
SPACER TIPE			QUA				REIVIA	KV2										
KCL 400 LBS & 1# B]	F.6		CLA'	YFIX II				L	o-su	RF					CLA	STA-XP		
		NG WE	IGHT	Т	HREA	.D			ĠIJ	IDE	SHOE				ΙτΔ	TCH DO	WN PLUG & BAFFLE	
4.5"	10.5				rd						_						Plug & Baffle	
INSERT FLOAT SHOE		FLC	AT SHO	3			FLOA	COLL	AR					INSE		LOAT		
IFS W/ FILL TU CENTRALIZER-QTY	<u>BŁ</u>			SIZE										TYP	E		<del></del>	
5 EACH		_		1		X 7 7/8'	1							١		MAST	ERS .	
WALL CLEANERS-QT	Y	TYI	PE .		DV	TOOL							DV PLI					
LIMIT CLAMPS			WELD-A			•	CM	T BASE	KET				OTHE	3		<del></del>		
1 EACH REMARKS		L	<del></del>					<del></del>			_	<u> </u>				<del></del> -		
			<del></del>								<del></del>	= ==	<del></del>		-,-			
ORDERED BY: Willi						05-317 	-3068 	Offic	e 62	20-6	526-81 	l31 	-		1	ME OF C	CALL: 5/ <b>4/2001</b>	
CALL TAKEN BY: V	Vills	on /L	ARRY/	DON	1				E.vec	) [-ma	lam l		- C		T	IME REA	DY: W/C	
CREW CALLED:			-						#	* !	N B	4	الله		T	ME: T	UES PM	
~ · · · · · · · · · · · · · · · · · · ·		<del>-</del>	<del></del>				<del></del>	<del></del> -	+	SE	720	200	1			CMTC	CALL.DOC	
Page 1 of 1									K	(C(	) WIG	CHITA	Δ	`			(19Aug97)	

# ORIGINAL

		<u> </u>		<del></del>					TICKET #		TICKET DATE				
HALLI	BURTO	<b>2</b> N	INWA/C		LOG				1331739		06/05/01				
NORTH AMERI	CA LANE	<b>.</b>	USA						BDA / STATE KS.		SEWARD				
MBU 10 / EMPL # MCL10104/1058	48			MPLOYEE I	ODROV	۸/			PSL DEPARTMENT Cementing S	ervi	res				
LIBERAL, KS.	<del>-10</del>		COMPA	t.	SIGN OF		RATIN	IG	CUSTOMER REP / PHON	Ε	L BLAGRAVE				
\$17,920.98			WELLT	PE.	GA		<u> </u>	<u> </u>	5-175-218480000						
WELL LOCATION			DEPART					JOB PURPOSE CODE  Cement Production Casing HES FACILITY (CLOSEST YOWELL S							
LIBERAL,KS.	We	il No.	SEC/TW	IAL 15 炉/形成 35-31	<u>OLATIO</u>	N			HES FACILITY (CLOSEST	TOW	Production Casing				
DUDREY HES END HANGE FOR A (EXPOSURE HE		3-18 нязі	HES EMP HAME/E			HR	S I ES EMP N	AME/ENP & (EXPOSUR	LIBERAL, KS.		HES EMP HAVE PERP I (EXPOSURE HOURS)	HRS			
Woodrow, J 1058			Ferguso			T	Ī			П		T			
Wille, D 225409			Gonzale	s, R 2	24608	Τ				$\Box$		1-			
Arnett, J 226567															
	CONTACT PAGE 1 STATES	Corporal In	Great Brook &	a postanosta	) polygonomical (1914)		Aug. 3. 40 \$ 76 46	Tank saman kana	SOURCE PROPERTY AND ADDRESS OF THE A						
Charty Tim	Rat	e,			Pres		De II								
No.	(BPM)	20212	100		CSG	_	Tbg = 1		7,7300	234	cription / Remarks				
010		24.25	anal manager	199.74410		( (G)	See I na Walke	JOB READ	)Y	9,020	en man and a state of the state	o de la companya de l			
212	0	寸							UT FOR JOB						
233	0							PUMP TRU	ICK ON LOCATION	ON/	PRE JOB SITE ASSESMEN	T			
		_				L		SPOT EQU	IPMENT						
010						L			YING DOWN DRI						
041		-+		<b></b>		╀			START RUNNING 4 1/2 CSG. & FLOAT EQUIP,						
053	<del>"  </del>	+			<del></del>	┝	-		DN BOTTOM 2723 FT.						
054		$\dashv$				┝		HOOK UP 4 1/2 P/C & CIRC. IRON START CIRC. WITH RIG PUMP							
054	-				⊢					OK UP TO PUMP TRUCK					
	<del></del>	十	<del></del>		$\vdash$			JOB PROCEDUR		OR OP TO PUMP TRUCK					
060	1				2000	Г			UMP & LINES						
060:	3 5.0		10.0		0-200			PUMP SPA	ACER						
0607	<del></del>	$\perp$	160.0		200-180	Ŀ		START MIX	(ING LEAD CMT.	AT	12.2# /GAL				
0632		4	36.0		190-250				ING TAIL CMT.						
0640		+							MIXING CMT. / S	HUT	DOWN				
0642	$\rightarrow$	-		<del>}</del>					MP & LINES		,				
0648	<del>'  </del>	+	<del></del>		700-1500				PLACING WITH	_					
0655	-	╅			1500				RESSURE BEFO						
		十			1000			FLOS DON		UAI	<del></del>	-			
		$\bot$													
	<del>                                     </del>	+			-			7114	NK VOLLEGE CO	1.1.00	10.114.1.1011				
		士						IHA	NA TOU FOR CA	LLIN	IG HALLIBURTON	$\dashv$			
		T						( W	OODY & CREW)						
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	+	+	<del></del>	-+	+				SEP 20	1 2	Ш				
		工							KCC WIC	HI	TA	$\dashv$			

# 2/ 7

HALLIBURTON	JC	DB SUMN	IAR	Y			31739	TICKET DATE	06/05/0	1	
NORTH AMERICA LAND		IUSA			· ·	BDA / STATE COUNTY KS. SEWARD					
MBU 10 / EMPL # (MCL10104/105848		HE'S EMPLOYEE NAME JOHN WOODF	OW			Cementi	ng Servic	es   F	MAI	$\Lambda \Lambda \Lambda$	
LIBERAL, KS.		ENSIGN OPER		3		CUSTOMER REP	/ PHONE	LL BLAGRA	AVF	1 V / L	
TICKET AMOUNT \$17,920.98		WELL TYPE GAS				APIUMI #	18480000				
WELL LOCATION		DEPARTMENT ZONAL	1801	TIO		5AP BOMB NUME 7523	ER De	scription	·		
LIBERAL, KS.	Well No.	SEC / TWP / RNG	1901	<del>\ I I O</del>	14	HES FACULTY (C	LOSEST TO WELL	ement Prod	uction C	asing	
DUDREY HES EMP NAME / EMP # / (EXPOSURE HOURS)	3-18 HRS	18-33S-31W		HRS		LIBERA	_,KS.	<del></del>		HR	
Woodrow, J 105848		guson, R 106154					T	J			
Wille, D 225409	Gor	nzales, R 224608		$\Box$							
Arnett, J 226567	<del>   </del>			+		<del></del>		†			
	T MILES	2240226 (402402		MILES			R/T MILE	s		R/T MILI	
	30 10 30	0240236 / 102402 54029 / 75821		30 30	<del></del>	<del></del>	<del></del>	<del> </del>		<del>-   -</del>	
Form. Name	Type:					-	<u> </u>			<u> </u>	
Form. Thickness Fr	om	To	Date		ed Out 06/06/2001	On Location 06/06/2	on Jo	b Started	Job C	ompleted	
Packer Type Bottom Hole Temp.	Set At Pressui	re		1		İ	ł	06/06/2001		706/2001	
Retainer Depth Tools and Acc	Total D	epth <u>2720</u>	Time	11 11 11 11 11 11 11 11 11 11 11 11 11	2120	2330	)atassidirəsi	0601	0(	655	
Type and Size C	Qty	Make			New/Used	Weight	Size Grade	From	To	Max. Allow	
Float Collar Float Shoe INSERT 4 1/2	1 H		Casing Liner	<u> </u>	U	10.5#	4 1/2	KB	2,723		
Centralizers F.M. 4 1/2	5 0		Liner			mile, paren	J-11/F		·		
Top Plug L.D. 4 1/2 HEAD P/C 4 1/2	1 W	<del>,                                    </del>	Tubing Drill Pi		-			242	<del></del> -	<del> </del>	
Limit clamp 4 1/2	1 C		Open	Hole		SEI	20 20	01		Shots/Ft.	
Weld-A Guide Shoe	<u>_</u>		Perfora Perfora			1606	<del> </del>	<del> </del>		<del> </del>	
BTM PLUG Materials	0		Perfora	ont	ocation	NUC	WICHL	A	Present all par	STORES TO MODEL CONTROL	
Mud Type Der	nsity	Lb/Gall	Date	<b>≘</b> L	Hours	Date	Hours	Describe	(OLEOUNO)	THE REPORT OF THE PARTY OF THE	
Prop. Type Size		Lb/Gal	6/6		7.0	6/6	1.0	<del></del>			
Prop. Type Size Acid Type Gal.		Lb			·				B PROCEI	DUDE	
Acid Type Gal. Surfactant Gal.		%		#				SE	E JOB LO	G	
NE Agent Gal.		ln							<del></del>	· <del>-</del> .	
Fluid Loss Gal/Lb Gelling Agent Gal/Lb		n ———		+	<del></del>   }						
Fric. Red. Gal/Lb Breaker Gal/Lb	1	n	Takal #8	960	7.0						
Blocking Agent	GaVLb_		Totals			Total & Section 1	1.0				
Perfpac Balls Other	Qty.		Ordere	d.	i.	Hydraulic Avail.	Horsepow	e <u>r.a</u> Used			
Other Other			Treating			Average i	Rates in BR	Mæ		<del></del>	
Other				-1		Disp. Cement	Left in Ripe	Overall			
Other			Feet	10		Reason		SHOE	JOINT		
	en en en en	record of the forest	4 Ce	ment	Data - SHIC	TAX TO THE	Minara Maria	0.221.232.344.00	Data de la composição d	27411172182361	
Stage   Sacks   Cement   Bu	IK/SKS	% TOTALGEL, 1/8#	Additives	;				W/Rq. 9.54	Yield	Lbs/Gal	
2 150 PREM PLUS Bu	ilk/Sks 1	/4# POLY FLAKE, 5	# GILS	ONITE				5.84	1.92	12.20 14.8	
		<del></del>			<del></del>	<del></del>			1		
	THE STREET	became en a transistion en en la la la la la la la la la la la la la	Street and the	os types as	*Supplement on mountaining control						
Circulating	Displace	ment	ese Sun			вві <b>Г</b>	10.00	Type:	2% k	(CL	
Lost Returns-1	MAXIMU Lost Ret				oad & Bkdn: ( xcess/Retum	Sai - BBI		Pad:Bbl -	Gal		
Cmt Rtm#Bbl	Actual To	oc <u> </u>		c	alc. TOC:			Calc.Disp Actual Di		43	
	Frac. Gra 5 Min	15 Min_		C	ement Slurry		197.0	Disp:Bbl			
Frac Ring #1	Frac	Ring#Z	Millioneron	T(	otal Volume	BBI	250.00	Cara de la composition della c	AGA ALEGERIA	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
THE INFORMATION STAT	ED HER	REIN IS CORRE	CT		// ~	<u>C)/</u>	n I	rac King #	<b>4</b> 92Wille 19		
CUSTOMER REPRESENT				Wi	lliam	11 +	Jagu	ave		1	
<del></del>		<del></del>				IGNATURE					