ORIGINAL

Date Commission Expires Legitem

SI .	DE ONE
STATE CORPORATION COMMISSION OF KANSAS	API NO. 15- 185-22,752-0000
OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM	CountySTAFFORD
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	
Operator: License # 9163	330 Ft. North from Southeast Corner of Section
	2070
Name: JANDIE OIL COMPANY, INC.	Ft. West from Southeast Corner of Section (NOTE: Locate well in section plat below.
Address PO Box 1585	Lease Name SPANGENBERG Well # 1-33
The County Day of May 1877.	Field Name Hudson (Abondoned)
City/State/Zip <u>Great Bend, KS 67530</u>	Producing FormationNONE
Purchaser: none	Elevation: Ground 1840' KB 1845'
Operator Contact Person: Freddie D. Walls	Total Depth 3780' PBTD
Phone (<u>316</u>) 793-7288	5280
Contractor: Name: Woodman-Iannitti Drilling Co.	CEIVED 4950
License: 5122 STATE CONFO	ATION COMMISSION 4290
Wellsite Geologist: Todd E Morgenstern APR	
Designate Type of Completion Workover CONSIN	2310 1980
Oil SWD Temp. Abd. Gas Inj Delayed Comp. XX Dry Other (Core, Water Supply, etc.)	990
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
If CMMO: old well info as follows: Operator:	5286 4950 4950 3960 3960 3960 3960 3960 3960 3960 396
Well Name:	Amount of Surface Pipe Set and Cemented at315_ Fee
Comp. DateOld Total Depth	Multiple Stage Cementing Collar Used? Yes X N
Drilling Method:	If yes, show depth set Fee
XX Mud Rotary Air Rotary Cable	If Alternate II completion, cement circulated from
3/27/91 4/03/91 4/04/91 Spud Date Date Reached TD Completion Date	feet depth to sx cmt
Derby Building, Wichita, Kansas 67202, within 120 days 82-3-106 apply. Information on side two of this form will writing and submitted with the form. See rule 82-3-	be held confidential for a period of 12 months if requested in 107 for confidentiality in excess of 12 months. One copy of all this form. ALL CEMENTING YICKETS MUST BE ATTACHED. Submit CP-4 all temporarily abandoned wells. Any recompletion, workover or
All requirements of the statutes, rules and regulations promuly with and the statements herein are complete and correct to the statement are considered as a statement and the statement are considered as a statement are considered as a statement and the statement are considered as a statement and the statement are considered as a statement and the statement are considered as a statement are considered as a statement and the statement are considered as a statement are consi	lgated to regulate the oil and gas industry have been fully complie the best of my knowledge.
Signature Buchard & Amith	K.C.C. OFFICE USE ONLY
	-29-91 F Letter of Confidentiality Attached C Wireline Log Received Drillers Timelog Received
Subscribed and sworn to before me this 29th day of Apr	Distribution
Notary Public Fallie & Walls	KCC SWD/RepNGPA KGS PlugOther

HUTARY POSLIC - State of Kansas
FREDDIE D. WALLS
My Appl. Exp. 7 - 2 - 9

Form ACO-1 (7-89)

(Specify)

SIDE TWO

المتدية.

Operator NameJA	NDIE (OIL C	CMPANY,	INC.	Lease Name	SPAN	GENBERG	Well #	1-33 /
			☐ East		County	STAFI	FORD		
Sec. <u>33</u> Twp. <u>22</u>	gRge.	12_	₩est		· <u>-</u>				-
INSTRUCTIONS: Show interval tested, time hydrostatic pressure if more space is need.	me tool s, botto	open a m hole	and closed, temperatur	flowing a	and shut-in pres	sures, wheth	her shut-in pre	ssure read	ched static level,
Drill Stem Tests Tak (Attach Additiona		s.)	X Yes	□ No			Formation Desc	ription	
Samples Sent to Geol	ogical S	Survey					X Log	Sample	
Cores Taken			Yes	k No	Name		Тор	Bott	
Electric Log Run (Submit Copy.)			⊠ _{Yes}		Soil, sa Anhydri Shale & Lime & Shale & Chert & Shale & Dolomit	Shale K Lime K Shale	7 629 650 2860 3150 3282 3564 3600 3680 3740		629 650 2860 3150 3282 3564 3600 3740
			CAC	INC DECOOD		е	2/40		5780
	Re	eport a		ING RECORD set-condu	₩	sed ntermediate,	production, et	c.	
Purpose of String	Siže Dril	Hole Lled		Casing In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-	1/4"	8-5,	/8"	23#	315'	60-40 Poz	225	%CC+2%Ge1
	_								
Shots Per Foot			RECORD age of Each	Intervali	Perforated	Acid, (Amount an	Fracture, Shot, d Kind of Mater	Cement Sq ial Used)	ueeze Record Depth
	<u> </u>								
TUBING RECORD	Size		Set /	At	Packer At	Liner Run	☐ Yes ☐	No	
Date of First Produ	ction	Produci	ng Method	Flowing	Pumping G	as Lift [] (Other (Explain)		
Estimated Production	n C	Dil	Bbls.	Gas	Mcf Water	Bbls.	Gas-Oil	Ratio	· Gravity
Disposition of Gas:				ME	THOO OF COMPLETI	ON		F	Production Interval
Vented Sold	Us Domit ACC	sed on 0-18.)	Lease		Hole Perfor	ration 🗆 [Dually Completed	d Comm	ingled
•	•	٠						_ =	

		ALL COMPANY	\$ 1 TA	arria pri		1
'FORMATION TEST N	0. 1		* '		15-185-22752	-0000
3320-3400		CINIAL			•	
	())(1	UINAL		I.H.P.	1762#	
Fair to strong b	low	30 min.		I.F.P.	132#-183#	
		30 min.		I.S.I.P.	758#	
Fair blow		30 min.		F.F.P.	224#-224#	
		30 min.		F.S.I.P.	559#	
		1		F.H.P.	1762#	
RECOVERY:	330' gassy n	mud with a	few oil s	pots on top	p of tool.	
TEMPERATURE:	106 ⁰					
FORMATION TEST N	0. 2					William yes us and it is distinct.
3433-3490						
		4.5		I.H.P.	1832#	
Weak blow		30 min.		I.F.P.	71#-71#	
		30 min.		I.S.I.P.	91#	
Weak blow		30 min.		F.F.P.	81#-81#	
		30 min.		F.S.I.P.	81#	
				F.H.P.	1832#	
RECOVERY:	15' mud.					
TEMPERATURE:	106 ⁰					
Z CE IX MINTE CINE		-			_	
FORMATION TEST NO	١ ٦					
3498-3524	<u>/. J</u>					
		•		I.H.P.	1852#	
Weak blow		30 min.		I.F.P.	51#-51#	
		15 min.		I.S.I.P.	918#	
Weak blow		15 min.		F.F.P.	61#-61#	
		15 min.		F.S.I.P.	858#	RECEIVED
				F.H.P.		TE CORPOBATION COMMISSION
RECOVERY:	60' mud with	a few oil	spots on	top of too	1.	APR 3 0 1991
TEMPERATURE:	106 ^o					CONSEPT ATTEM DIVISION Wichita, Kansas
FORMATION TEST NO 3608-3669	<u>. 4</u>					monta, hallsas
				I.H.P.	1932#	
Weak blow		30 min.		I.F.P.	61#-61#	
		30 min.		I.S.I.P.	71#	
Weak blow		30 min.		F.F.P.	61#-61#	
		30 min.		F.S.I.P.	61#	
•				F.H.P.	1932#	
RECOVERY:	20' mud with	a few oil	spots on	top of too	1.	
TEMPERATURE:	108 ^O					;
FORMATION TEST NO	<u>. 5</u>					
3661-3708	<u> </u>					
				I.H.P.	2052#	
Weak blow		30 min.		I.F.P.	61#-61#	
		30 min.	ב	S.I.P.	204#	į
Weak blow, dead i	n 25 min.	30 min.		F.F.P.	61#-61#	
		30 min.	I	F.S.I.P.	153#	
				F.H.P.	2020#	
RECOVERY:	20' mud.					
						

110⁰

TEMPERATURE:

Jandie Oil Company, Inc
No. 1-33 Spangenberg
SE SE SW Sec 33-22s-12w
Stafford County, Kansas

FORMATION TOPS

Anhydrite	629
Base Anhydrite	653
Topeka	2863
Heebner	3152
Toronto	3172
Douglas	3185
Brown Lime	3284
Lansing	3308
Base Kansas City	3568
Mississippian	3604
Viola	3638
Simpson	3684
Reworked Arbuckle	3734
Arbuckle	3745
Rotary Total Depth	3780

Form	Top	Bottom	
Soil sand clay Anhydrite Shale & lime Lime shale streaks Shale Lime		0 629 653 2863 3152 3156 3160	629 653 2863 3152 3156 3160
Shale lime streak Lime Shale	(Brown)	3284 3290	3284 3290 3308
Chert (Shale (S	Mississippian Viola) Simpson)	3638 3684	3568 3604 3638 3684 3634 3780
Dolomite (Reworked	l & Arbuckle)	7074	2100

RECEIVED STATE CORPORATION COMMISSION

MAY 1 4 1991

CONSERVATION DIVISION Wichita, Kansas

ORIGINAL

DRILLING	TIMES:

2001 2010	2 2 2 2 2 2 2 2 1 1
2801-2810	3-3-2-3-2-2-3-2-1-1
2811-2820	1-2-1-1-1-2-2-2-2
2821-2830	3-3-3-3-2-3-3-2-2-2
2831-2840	1-2-2-2-3-2-2-2-2
2841-2850	2-1-1-1-2-2-2-2-2-2
2851-2860	3-3-3-3-1-1-5-3-3-3
2861-2870	1-1-1-2-2-2-3-2-2-2
2871-2880	2-2-3-2-3-3-2-3-3
2881-2890	3-2-3-3-2-3-2-2
2891-2900	2-2-2-3-3-2-2-2-2
2901-2910	1-2-2-1-1-1-1-2-2-2
2911-2920	1-2-2-2-2-2-2-1-2
2921-2930	1-1-1-2-2-2-2-2-2
2931-2940	2-2-2-2-2-2-2
2941-2950	3-3-2-3-2-2-3-3-3
2951-2960	3-3-3-2-2-2-2-2-2
2961-2970	3-3-3-3-2-2-2-3-3-3
2971-2980	3-3-2-3-3-3-3-2-3-3
2981-2990	3-3-3-3-3-2-1-5-5
2991-3000	\frac{1}{2} - \f
2991-3000	3-3-3-3-3-3-1-3-3-1
3001-3010	1-2-2-1-1-2-2-2-2
3011-3020	2-1-1-1-1-1-1-1-1-3
3021-3030	½-1-1-1-2-2-2-2-2
3031-3040	3-3-2-2-3-2-2-2-3
3041-3050	3-3-3-3-3-2-3-3-3-2
3051-3060	3-3-2-2-2-2-1-1-3
3061-3070	3-3-2-3-2-1-2-1-1
3071-3080	3-3-3-3-3-3-3-3-1-3
3081-3090	1-12-12-12-12-13-2-2
3091-3100	2-3-3-2-3-4-4-3-2-3
3071-3100	2-3-3-2-3-4-4-3-2-3
3101-3110	3-3-3-3-2-2-2-3-3-3
3111-3120	3-3-3-3-3-3-3-4-3
3121-3130	3-4-3-3-3-3-3-3-2
3131-3140	2-2-2-3-2-1-2-1-2-2
3141-3150	2-2-2-1-1-3-2-2-3
3151-3160	3-4-2-2-2-1-1-2-4-4
3161-3170	3-3-3-2-2-2-3-2-2-2
3171-3180	2-2-3-2-3-3-2-3-4-2
3181-3190	3-3-3-3-3-2-2-2-2
3191-3200	2-2-2-3-1-2-2-2

RECEIVED STATE CORPORATION COMMISSION

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COMSERVATIO: DIVISION Vilchita, Kurisus

ORIGINAL

DRILLING TIMES:	(Cont.)
3201-3210 3211-3220 3221-3230 3231-3240 3241-3250 3251-3260 3261-3270 3271-3280 3281-3290 3291-3300	2-2-2-2-2-2-2-1 1-2-1-2-2-3-2-1-2 2-1-2-1-2-2-1-2-2-2 2-1-2-1-2-1-2-1-2-1-2 1-2-1-2-1-2-1-2-1-1 2-2-1-1-2-1-1-1-1-2 1-1-1-1-2-1-1-1-1-1-1 1-2-1-1-2-4-4-4-3-3 4-4-4-2-2-2-2-2-3
3301-3310 3311-3320 3321-3330 3331-3340 3341-3350 3351-3360 3361-3370 3371-3380 3381-3390 3391-3400	3-4-3-2-2-2-2-4-4 3-3-4-3-4-4-4-5-4-4 4-5-3-4-4-4-4-3-5-4 4-3-3-4-4-5-4-5-5-4-5 5-4-4-3-3-4-5-5-4-5 5-5-5-3-3-2-3-3-4-5 5-4-5-5-4-5-5-6-5-5 5-5-5-5-4-4-6-4-5-6 4-5-5-2-4-2-4-5-5-4-6
3401-3410 3411-3420 3421-3430 3431-3440 3441-3450 3451-3460 3461-3470 3471-3480 3481-3490 3491-3500	5-5-3-3-4-3-2-3-3-3 3-3-4-4-3-4-3-4-3-4 4-4-5-4-5-5-4-5-5-4 5-5-5-5-6-6-5-6-6-4 4-3-3-3-6-3-5-4-4-4 3-4-4-4-5-3-3-4-4-3 3-4-5-5-3-4-5-5-6-5 5-5-6-6-4-5-5-5-4-5 3-5-5-5-5-5-5-5-5-5-5
3501-3510 3511-3520 3521-3530 3531-3540 3541-3550 3551-3560 3561-3570 3571-3580 3581-3590 3591-3600	6-6-5-6-4-3-3-5-4-2 2-4-3-3-4-5-4-5-5-5 6-5-5-6-4-4-6-4-7-6 6-6-5-6-6-6-5-6-7-4 4-2-5-5-7-5-4-6-4-6 3-4-5-4-4-5-6-5-5-5 3-5-6-6-6-5-7-4-5-3 3-2-2-2-2-3-4-3-2 4-4-4-4-6-2-3-3-5-4 4-4-4-4-4-3-4-3-4-4

RECEIVED
STATE COMMISSION

TAPR 3 0 1991 constant for the law and anially!

DRILLING TIMES:	(Cont.)
	
3601-3610	3-3-3-3-2-3-2-3-4-6
3611-3620	5-5-6-5-6-5-6-5-5
3621-3630	6-6-6-5-5-6-7-6-6-4
3631-3640	5-5-5-6-6-5-4-3-5-5
3641-3650	5-4-5-5-4-4-4-4-5-4
3651-3660	3-3-5-3-4-2-3-2-2-2
3661-3670	2-2-4-4-4-4-2-3-3-2
3671-3680	3-3-2-4-5-5-6-5 - 6-5
3681-3690	5-5-4-4-6-5-5-5-5
3691-3700	5-6-6-4-4-6-4-6-4
3701-3710	3-3-3-4-4-4-2-2-1-2
3711-3720	2-4-4-3-3-3-2-4-3-4
3721-3730	4-5-3-3-2-1-3-3-3-2
3731-3740	3-3-3-5-5-3-3-4-4-4
3741-3750	3-3-3-3-4-1-1-2-2-2
3751-3760	2-2-3-2-2-2-3-3-3
3761-3770	3-4-3-3-4-4-4-3-4-2
3771-3780	3-3-3-2-3-2-2-2-1-1-RTD

RECEIVED STATE CORPORATION COMMISSION

APR 3 0 1991

Contract of the second

PAGE 1 OF PAGES



TICKET NO. 125413-2

FORM 1906 R-11								12-18	コート	としつ人	-0000	
WELL NO. — FARM OR LEA	ASE NAME			COUNTY	STATE	7	CITY / OFFS	SHORE LOCA	ATION	0	ATE 7	91
CHARGE TO	JANGENIA	CS	1	CHANGED	OWNER	-O 1		Inc	KET TYPE (C	HECK ONE)	U C /	GEN JOB
CHARGE TO	THE A	1	Y.		OWNER	order of the same				Г		
ADDRESS	SOIL ON	1	(1)	ナハル	CONTRACTOR	A A COL		SEI	LOCATION	SALES	CODE	NO NO
ADDRESS	1 Fru	10	550		Column Con	- 7/	1	1	443	FIIN	1 200	027
CITY, STATE, ZIP	every	1	101		SHIPPED VIA	IEREIG	HT CHARG	EC .	LOCATION		CODE	250
CITT, SIATE, ZIF	(2, A)	1	(7	(3)	7077			ошест 2	LOCATION		CODE	
WELL TYPE	WELL CATEGO	DV		WELL PERMIT NO.	DELIVERED TO		г 🗀 с		LOCATION		CODE	
VVELL TIPE	WELL CATEGO	NI		WELL FERIVIT NO.	DELIVERED TO	1		3	LOCATION		CODE	
TYPE AND PURPOSE OF	IOR			101006106	ORDER NO.	3130		REF	ERRAL LO	CATION		
The Ambroll Gold of C				B-9/7973								
As consideration	, the above-named Custor	ner agı	rees to pay Hal	liburton in accord with the rates and terr	ns stated in Halliburt	on's current pric	e lists. Invoi	ces payable N	IET by the 2	Oth of the foll	owing month after	r date
of invoice. Upon Cus lawful contract rate	tomer's default in paymen applicable, but never to ex	t of Cu ceed 1	stomer's accou	liburton in accord with the rates and tern int by the last day of the month followin In the event it becomes necessary to en- se terms and conditions shall be governed	ng the month in which	h the invoice is enforce collection	dated, Custo n of said ac	mer agrees t	o pay intere ner agrees t	st thereon after pay all collect	er default at the hi ction costs and att	ighest corney
Halliburton war	rants only title to the product	ucts, su	applies and mat	erials and that the same are free from de	efects in workmanshi	p and materials.	THERE ARE	NO WARRAN	TIES, EXPRI	SS OR IMPLIE	D, OF MERCHANT	ABILITY,
of action (whether in supplies or materials of	contract, tort, product licen their return to Halliburt	ability,	breach of war at Halliburton'	erials and that the same are free from de KTEND BEYOND THOSE STATED IN TH rranty or otherwise) arising out of the s option, to the allowance to the custo	sale or use of any	products, supple cost of such	lies or mate items. In no	erials is expr	essly limited Halliburton	to the replate to the liable for s	cement of such pecial, incidental,	products, indirect,
punitive or consequenti	al damages.											
PRICE	SECONDARY REF	L		DESCRIPTION	N	UNITS	1	UNIT	\$2	UNIT	AMOU	INIT
REFERENCE	OR PART NO.	C.	ACCOUNT	DESCRIT THE		QTY	MEAS	QTY	MEAS	PRICE	Aivioc	///
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				APR 3	0 1991		!					
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		1000		CONSERVA	non principly a. Kansas		1		1			
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							1		1			
AC DED A	TTACHED BUILD	/ NA	ATERIAL	DELIVERY TICKET NO	Г	0 0	707	2			1000	185
AS PER A	I IACHED BULI	IVI.	ATENIAL				111				1060	4
WAS JOB SATISFACTORILY O	COMPLETED?			WE CERTIFY THAT THE FAIR COMPLIED WITH IN THE PRO FURNISHED UNDER THIS CO	LABOR STANDARDS ODUCTION OF GOOD NTRACT	S AND OR WITH	AS AMENDE H RESPECT	TO SERVICES	(1)			
WAS OPERATION OF EQUIPM	MENT SATISFACTORY?			- Company	and the grant of the same of t			14		142 (19)		
WAS PERFORMANCE OF PER	SONNEL SATISFACTORY?			1 / 3/1/2	1		11			SUB	2188	190
· +1)	11-0100				HALLIBURTON	OPERATOR	- 1			TOTAL	APPLICABLE TA	XES MILL
CUSTOMER OR HIS	S AGENT (PLEASE PI	RINT)		The second of	TALLIBURTUR	OI LIMION					BE ADDED ON	
x Kiel ly	Willen			HALLIBURTON APPROVAL								
	S AGENT (SIGNATUR	E)			USTOMER			10.00				

CUSTOMER



BULK MATERIALS DELIVERY

TICKET CONTINUATION

FOR INVOICE AND 125413

15-185-22752-0000 DATE CUSTOMER ORDER NO. WELL NO. AND FARM Stafford 3-27-91 Spankenburg Ks. CHARGE TO CONTRACTOR Jandie Oil Woodman & Iannitti Jandie Oil MAILING ADDRESS DELIVERED FROM LOCATION CODE PREPARED BY 25520 Great Bend, Ks. S.C. Henry DELIVERED TO TRUCK NO. RECEIVED BY Location 0977-6660 SECONDARY REF. OR PART NO. CODE PRICE DESCRIPTION REFERENCE LD MEAS QTY IMEAS QTY. 225 40%Pozmix/60%Cement 504-308 722.25 504-308 516.00261 1 B Standard Cement 135 sk 5.35 506-105 516.00286 90 sk 2.79 251.10 1 B Pozmix A 506-121 516.00259 4 Halliburton Gel 2% allowed NC 6 26.25 509-406 890.50812 Calcium Chloride 3%W/225 sk 157.50 817 202.17 20.22 -10 Surcharge 500-307 Returned Mileage TOTAL WEIGHT LOADED MILES TON MILES SERVICE CHARGE ON MATERIALS RETURNED CU. FEET CU. FEET 237 260.70 500-207 1.10 SERVICE CHARGE 20,217 20 202.17 TON MILES 500-306 TOTAL WEIGHT .75 151.63 LOADED MILES No. B 917973 CARRY FORWARD TO INVOICE SUB-TOTAL 1563.40 FORM 1911 - R6 REV. 8-85



WORK ORDER CONTRACT

ATTACH TO

FORM 1908 R-7

A Division of Halliburton Company

SEED TO A SEED OF THE PARTY OF	administration of the sands	distance of the last of the		
04 1	n i fi			
ABID	DDE	TOP	TAFFAIT	DATA
AND	PKE-	IKE	TMENT	DAIA
NAME AND POST OFFI	A To breed			

DISTRICT G+BENOKS					DATE	3-27-	91
TO: HALLIBURTON SERVICES YOU ARE HEREBY REQU	ESTED TO F	URNISH EQ	UIPMENT A	ND SERVI	EMEN TO	DELIVER A	ND OPERATE
THE SAME AS AN INDEPENDENT CONTRACTOR TO:	JAN	DIE	0	1			
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR	THE PURPOSE	E OF SERVIC	(CUSTOME	ER)			
WELL NO. 1-33 LEASE SOLUCEULO	eq	SEC	33	_ TWP	22	RA	NGE 124
FIELD COUNTY STATE	TE K	5	OWNED E	3Y	SA	VIE	
THE FOLLOWING INFORMATION WAS	FURNISHE	D BY THE	CUSTON	IER OR H	IIS AGEN	T	
FORMATION NAME TYPE		NEW USED	WEIGHT	SIZE	FROM	то	MAX. ALLOW. P.S.I.
FORMATION THICKNESS FROM TO	CASING	MILA	23	878	KB	316	
PACKER: TYPE SET AT	LINER						
TOTAL DEPTH MUD WEIGHT	TUBING						
BORE HOLE	OPEN HOLE				316	1317	SHOTS/FT.
INITIAL PROD: OILBPD, H ₂ OBPD, GASMCF	PERFORATI	ONS					
PRESENT PROD: OILBPD, H ₂ OBPD, GASMCF	PERFORATI	ONS					
	PERFORATI	ons					
PREVIOUS TREATMENT: DATE TYPE			MATERIALS		- 19		Eats
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING	TUBING/A	NNULUS	HYDRAULIC	HORSEPOV	VER ORDER	Dall	
	1		11		VC -	1000	
CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION	TO RECEIVE T	HE PRODUC	TS, SUPPLIE	S, MATERIA	LS, AND SE	RVICES	

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of the unpaid account.
- To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
- Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation measured that has a product of the products of the results of any treatment or service, nor the accuracy of any chart interpretation measured that has produced the products of the p

- That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATE ON THE IMPRODUCTION OF A CONTROL OF THE IMPRODUCTION OF A CONTROL OF THE IMPRODUCTION OF THE IMPRODUC
- That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton it Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- To waive the provisions of the Deceptive Trade Practices Consumer Protection Act, to the extent permitted by law
- That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

CUSTOMER DATE

A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

TIME

JOB HALLIBURTON DIVISION SUMMARY HALLIBURTON LOCATION

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			A COLUMN TO THE			100

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FIELD				SEC.	TWP.	RNG.	NEW USED	WEIGHT	SIZE	FROM	STATE_	1	MAXIMUM PSI
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FORMATION	THICKNESS_		FROM	то		LINER	the in	N)	070	XU.	216		
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PRESENT PR		BPD. WATER			MCFD	OPEN HOLE				316	17		SHOTS/FT.
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PACKER TYP			SET A	т		PERFORATIO							
воттом ног			PRESSURE			PERFORATIO							
MISC. DATA_			TOTAL I	DEPTH	JOB	DATA							
		TOOLS AND AC	CESSORIES			CALLED OU	Γ	ON LOCA	TION	JOB STARTED	7 7	JOB COM	MPLETED
	TYPE AND	SIZE	QTY.		MAKE	DATE O	21	DATE	2-61	DATE 3	41	DATE	5-61
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FLOAT SHOE					Te.			PERS	ONNEL AN	D SERVICE	UNITS		
GUIDE SHOE							1	NAME	00	UNIT NO. &	TYPE	LO	CATION
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TOP PLUG				Ho	UCO	DEDES	F	TOIK		0177		1	
HEAD		1		11						Bulk			
PACKER													
OTHER													
		MATER	RIALS										
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DISPL. FLUID			DENISTY		LB/GALAPI				1				
PROP. TYPE		SIZE		LB									
PROP. TYPE_		SIZE		LB									
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ACID TYPE_			GAL.		%				^				
ACID TYPE _			GAL.		%				11				
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NE AGENT T	YPE		GAL.	IN		DESCRIPTION	OF JOB	_ <		-			
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PERFPAC BA	LLS TYPE		c	тү		REPRESENTA	TIVE A	1 he	UM	alle a			
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	NUMBER			BULK	<u>JEMEN</u>			1		1 1	Viet -		MIVES
STAGE	OF SACKS	CEMENT	BRAND	SACKED			ADDIT	IVES			CU.FT./		MIXED LBS./GAL.
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		100	1 100	N-may.	7,						No.		
		NE RESIDE											
		PRESSURES I	N PSI		SUMM	ARY			VOLU	MES		70.70	r
CIRCULATING	G		DISPLACEMENT_			PRESLUSH: BBL	GAL			TYPE -			
BREAKDOWN	1		MAXIMUM			LOAD & BKDN:	BBLGA	L		PAC	BBL-GAL	17	100
AVERAGE		FRAC	TURE GRADIENT_			TREATMENT: B	BL GAL		0110	DISI	PL: BBL.GA	AL.	1.00
SHUT-IN: INS	TANT	HYDRAULIC HO	DRSEPOWER	_15-MIN		CEMENT SLURE	Y BBL	GAL.	047		Mariental		
						TOTAL VOLUME	BBLG	AL	REMA	ARKS			
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FEET	10	REASON	11CT		TAPR	TVATION DIV	The second						

3 LEASE SPANGENDERY **JOB LOG** 15-185-22752-0000 DATE JOB TYPE FORM 2013 R-2 VOLUME (BBL) (GAL) PRESSURE (PSI) **PUMPS** RATE (BPM) CHART NO. DESCRIPTION OF OPERATION AND MATERIALS TIME TUBING CASING C loo out 150 19.58 300 SHAWA RECEIVED APR 30 1991 Wichita, Kansas

HALLIBURTON SERVICES

CUSTOMER OR HIS AGENT (SIGNATURE)

FORM 1906 R-11



TICKET No. 125535-3

15.185-22752-0000

A Division of Halliburton Company

WELL NO. — FARM OR LEASE N	Parger	Luca	Staffo RD	STATE	CITY / OFFSHOR	RE LOCATION		DATE	91
CHARGE TO Jandie	01	Co. 2	In C S	ame		SERVICE	- DELINATION OF THE PARTY OF TH	YES _	SEN JOB
ADDRESS			CONTR	actor dans - Inn	H. #1	1 6 +	a-	CODE 25	520
CITY, STATE, ZIP			SHIPPE 5 /		PPD COLLEC	2 LOCATION	ON	CODE	
WELL TYPE	A ban	06	40	red to	·	3 LOCATIO		CODE	
PTA		115	B-9/7995 ORDER	NO.		REFERRAL L	OCATION		
As consideration, the of invoice. Upon Custome lawful contract rate applie fees in the amount of 20% Halliburton warrants FITNESS FOR A PARTICUL. of action (whether in contract supplies or materials on the punitive or consequential date.)	only title to the produ AR PURPOSE OR OT fact, tort, product lia oir return to Halliburt	ner agrees to pay Ha of Customer's acceed 18% per annum e unpaid account. The cts, supplies and ma HERWISE WHICH I bility, breach of won on or, at Halliburton	illiburton in accord with the rates and terms stated unt by the last day of the month following the me. In the event it becomes necessary to employ an see terms and conditions shall be governed by the la- terials and that the same are free from defects in V XXTEND BEYOND THOSE STATED IN THE IMMEET arranty or otherwise) arising out of the sale or 's option, to the allowance to the customer of control of the sale or the sale of the customer of control of the sale or the sale or the sale or the customer of control of the sale or the sale or the sale or the customer of control of the sale or the	in Halliburton's current parth in which the invoice attorney to enforce collection of the state where servorkmenship and material DIATELY PRECEDING SERuse of any products, stredit for the cost of suredit for the cost of suredit servers.	rice lists. Invoices p is dated, Customer tition of said account vices are performed Is. THERE ARE NO V TENCE. Halliburtor upplies or materials ch items. In no eve	ayable NET by the agrees to pay into, Customer agree or equipment or VARRANTIES, EXI's liability and cise expressly limit shall Halliburto	e 20th of the forest thereon af s to pay all colling materials are ful PRESS OR IMPLustomer's exclited to the repon be liable for	ellowing month after ter default at the hig ection costs and atto mished. IED, OF MERCHANTA usive remedy in any lacement of such py special, incidental, i	date hest rney ABILITY, cause roducts, ndirect,
PRICE S REFERENCE	SECONDARY REF OR PART NO.	L O C. ACCOUNT	DESCRIPTION	UNI		UNITS 2	UNIT PRICE	AMOUN	NT
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790-910		· same	Pump Charge	2	hes			370	00
790-503		1	Wood Plug	3	leg S	3 7/2 12		90	00
			THIS IS						
	M		STATE CORE	ECEIVED COMMIT	SSION				
AS PER ATT	ACHED BUIL	MATERIAL	DELIVERY TICKET NO.	nyata i bivisio lahita, transas	17995	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1107	77
WAS JOB SATISFACTORILY COMP	LETED?	· WATERIJA	WE CERTIFY THAT THE FAIR LABOR S COMPLIED WITH IN THE PRODUCTION FURNISHED UNDER THIS CONTRACT.	STANDARDS ACT OF 193	8, AS AMENDED HA	AS BEEN	(1)	11136	
WAS OPERATION OF EQUIPMENT WAS PERFORMANCE OF PERSON X CUSTOMER OR HIS AG	NEL SATISFACTORY?	RINT)	Ilen B	BURTON OPERATO)R		SUB	APPLICABLE TAX BE ADDED ON	

CUSTOMER



BULK MATERIALS DELIVERY

15-185-22752-0000

FOR INVOICE AND 1255 35

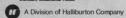
TICKET CONTINUATION

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4-4-91 HARGE TO	<u>I</u> V				Spangenberg	1-33	CONTRAC	Staf	ford			Ks.	
									T	:+4:	No. B	9179	19
Jandie Oil	4				Same DELIVERED FROM		LOCATIO	N CODE	Iann:				
					Great Bend, I	s.	255	20		J.M.	Sheet	8	1
TY & STATE		~		1	DELIVERED TO	T accepts to	TRUCK N) .					
					Location		3046	-6608	14	Ker	1 By	aly	
PRICE REFERENCE	SECONDARY REF OR	co	DE				UNITS	1	UNITS	2	UNIT	AMOUN'	-
REFERENCE	REF. OR PART NO.	L	D		DESCRIPTION		QTY.	MEAS.	QTY.	MEAS.	PRICE	AWOON	•
				175 40%	Pozmix 60% Cement	6% Gel							
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				Returned Mileage Charge	TOTAL WEIGHT	LOADE	D MILES	TON M					
					TOTAL WEIGHT	LOADEL	J MILES	TONIN	IILES				
				SERVICE CHAR	GE ON MATERIALS RETURNED			CU. FI	EET				
500-207		1	b	SERVICE CHAR	GE			CU. FI	EET 187	7	1.15	215.	05
500-306		1	ъ	Mileage Charge 15	953	20		159.5 TON N	53		.80	127.	62
					TOTAL WEIGHT	LOADE	DMILES	TONN	IILES			1182.	

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

15-185-22752-0000

FORM 1908 R-7



ATTACH TO

					THE RESERVE OF THE PARTY OF THE		
DISTRICT Great Bead					DATE 4	-4-9	1
	ECTED TO FU	DAUGU EG	NUDWENT A	ND CEDW			
O: HALLIBURTON SERVICES YOU ARE HEREBY REQUI	ESTED TO FU	KNISHEG	1	IND SERVIC	EMEN TO L	DELIVER AN	ID OPERATE
THE SAME AS AN INDEPENDENT CONTRACTOR TO:	100,	1	W ().	200			
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR	THE PURPOSE	OF SERVIC	(CUSTON CING	IER)			
VELL NO. #1-33 LEASE Spangerburg		SEC	33	TWP	22	RAN	IGE 12
IELD COUNTY STATE STATE	re k 5		OWNED	BY	39m		
THE FOLLOWING INFORMATION WAS	FURNISHED	BY TH	E CUSTON	MER OR H	IIS AGENT		
ORMATION TYPE	Solid V	NEW USED	WEIGHT	SIZE	FROM	то	MAX. ALLOW. P.S.I.
ORMATION HICKNESS TO TO	CASING			854	KB	315	
ACKER: TYPE SET AT	LINER						
OTAL DEPTH MUD WEIGHT	TUBING			42x	KB	3730	
ORE HOLE	OPEN HOLE		3		3151	37801	SHOTS/FT.
NITIAL PROD: OIL BPD, H2O BPD, GAS MCF	PERFORATIO	NS					
RESENT PROD: OIL BPD, H2O BPD, GAS MCF	PERFORATIO	NS			7 200		
	PERFORATIO	NS		3.5			
REVIOUS TREATMENT: DATE TYPE			MATERIAL				
REATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING	LI TUBING/AN	INULUS L	HYDRAULIC	HORSEPOV	VER ORDERE	D	The Carlotte
PJA with 1755ks	40/60	Yo z	b 7	1. 60	1		
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50sks at 650' 15sks	Rotho	10					
40 skc + 1 315' lusks	higher	Le 31					
SUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO	TO RECEIVE TH	E PRODUC	CTS, SUPPLIE	S, MATERIA	LS, AND SEF	RVICES	
As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIG	GNED BEFORE WO	RK IS COMM	MENCED				
To pay Halliburton in accord with the rates and terms stated in Halliburton's current price	list Invoices are a	avable NET b	w the 20th of H	o following man	oth ofter data of	invoice Unes (Cuntomorio dofo it i-

- payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of the unpaid account.
- To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for
- Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

- That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and color ended in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect,
- That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton
- To waive the provisions of the Deceptive Trade Practices Consumer Protection Act, to the extent permitted by law
- That this contract shall be governed by the law of the state where services are performed or materials are furnished
- That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton. h)

RECEIVED STATE CORPORATION COMMISSION

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

CUSTOMER

TIME ____ A.M. P.M

We certify that the Fair Labor Standards Act of 1938, as amended has been coproduction of goods and/or with respect to services furnished under this contract.

JOB HALLIBURTON DIVISION SUMMARY HALLIBURTON LOCATION

HALLIBURTON Great Bend

(15-185-22752-0000

BILLED ON /25535

					WELL	DATA						
FIELD				_SEC. 3	3 TWP. Z Z	DATA RNG.	2	COUNTY	Staff	ORD	STATE	<5
FORMATIO	N NAME		TYF	F			NEW USED	WEIGHT	SIZE	FROM	то	MAXIMUM PSI ALLOWABLE
	N THICKNESS_		_FROM	то		CASING			858"	KB	315'	
NITIAL PR		BPD. WATER			MCFD	LINER						
	PROD: OIL	BPD. WATER			MCFD	TUBING			42 X	0	3730	
COMPLETION		MUD T		MUD W		OPEN HOLE			77/8	315	3780	SHOTS/FT.
PACKER T			SET			PERFORATIO	ONS					
	OLE TEMP.		PRESSURE			PERFORATIO	ONS					
MISC. DATA				DEPTH		PERFORATIO	ONS					
				J	JÓB [DATA						
		TOOLS AND A	CCESSORIES			CALLED OU	T . 1	ON LOCA		JOB STARTE		COMPLETED
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	ALLS TYPE			QTY.		CUSTOMER REPRESENTA	TIVE X	took	LIU	celar		
THER							州	0	1			
THER						HALLIBURTON OPERATOR_	in The	w pa	render		COPIESREQUESTED_	
					CEMEN				. 0			
STAGE	NUMBER	CEMENT	BRAND	BULK			ADDITI	IVES			YIELD	MIXED
	OF SACKS			SACKED	,						CU.FT./SK.	LBS./GAL.
	175	40/60	PUZ	15	626	rl					1,53	13,40
		TON SEASON SEASO			Extract Side							
150												
		PRESSURES				ARY			VOLU			
IRCULATI			_DISPLACEMENT_			PRESLUSH: BBL				TYPE		
REAKDOV			_MAXIMUM			LOAD & BKDN:	BBLGAL			PAI	D: BBLGAL	
VERAGE_		FRAC	CTURE GRADIENT			TREATMENT: B		11-	eng wanney	DIS	PL: BBLGAL	
HUT-IN: IN	ISTANT	HYDRAULIC H	ORSEPOWER	15-MIN		CEMENT SLURR	Y BBL	GAL.	/. /			
						TE CORPORT	BBL-GA	CINABAICS	ION REM	RKS		
RDERED		AVAILABLEAVAILABLE	TES IN BPM	_USED	STA	u E GUNECTA	A FIGURE	ny eminiao	TEMP	TATA		4
								001				
REATING.		CEMENT LE	T IN PIPE	OVERALL_		APR:	301	991				
EET		REASON				CONSERV	TION D	IVISION			San York Mark	
							ta, Kans	sas				

HALLIBURTON SERVICES JOB LOG

WELL NO. 1-33 LEASE SPANGE LOW TICKET NO. 125535

CUSTOMER TANDIC 0.100 PAGE NO. 1

JOB TYPE 1. T. A. 15-185-22752-0000 4-4-91

3 R-2		1	JOB .	TYPE	J. /2/	40	15-185-22752-0050 4-4-91
TIME	RATE (RPM)	VOLUME (BBL)		1			DESCRIPTION OF OPERATION AND MATERIALS
	(2,)	(GAL)	0.	\/I	TUBING	CASING	ON Location
			Ut	1	AMC	Louis	CN LOCGITOR
7 TO 16		136					Mix 1st Plug 505ks
20030							SPO+ at 3 BO'
- m-		12 /	1			V	3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
24 30	5	13.6					Mix 2nd Plug 505ks
	5	5.7					Mix 2nd Plug 505ks SPot at 650'
04 45	5	10.9				3	Mix 3rd Plug 405Ks 5Pot 9+ 3151
0450	5	1-6					SPot 9+ 3151
05 15		2.7					Plug Top 40' losks
		1		1			
DS 52		4.0					Plug Rathole 15sks.
25.3		2		1			01 1 1 1 1 1 1
05.50		5 /					Plug haternell 105K5
~C.U.			3 7 7%				1, 1991
-370							Wash up
11 30				1			Job Complete
70 mm				1			300 Complete
							Thanks
				1			
							blev, wayne, John
							PERENTE
	y in						STATE CORPORATION COMMISSION
			-				MDD 20 4004
							APR 3 0 1991
		,					CONSERVATION DIVISION Wichita, Kansas
	TIME 125 1230 1430 145 1450	TIME (RATE (BPM)) 225 2430 2430 2430 2445 50450 50515 2546	TIME (RATE (BBL) (TIME RATE (BPM) VOLUME (BBL) T 136 136 149.4 0430 513.6 0445 510.9 0450 516 0518 27 0518 27 0518 27	TIME RATE (BPM) (BBL) T C 13 6 13 6 149.4 149.4 15 15 15 15 15 15 15 15 15 15 15 15 15 1	TIME RATE (BPM) VOLUME (BBL) T C TUBING 13 (TIME RATE (BPM) (BBL) (GAL) T C TUBING CASING 13 6