API NO. 15- 067-21112-0000

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

Date Commission Expires

WELL COMPLETION FORM	East
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	W/2 SW NE sec. 31 Twp. 295 Rge. 38 X West
Operator: License # 5398	3278.3 • Ft. North from Southeast Corner of Section
Name: ARCO Dil and Gas Company	2310.9 Ft. West from Southeast Corner of Section
Address P. O. Box 1610	(NOTE: Locate well in section plat below.)
nodi cas	Lease Name <u>Elmer Johnson</u> Well # 1
Midland TV 70702	Field Name Big Bow
City/State/Zip Midland, TX 79702	Producing Formation NA
Purchaser: NA	Elevation: Ground 31331 KB 31451
Operator Contact Person: Ken W. Gosnell	Total Depth
Phone (915) 688-5672	10tat beptii5280
Contractor: Name: H-30 Drilling, Inc. RECE	IVED 4950
License: 5107 STATE CORPORAL	RON COMMISSION I I I I I I I I I I I I I I I I I I
Wellsite Geologist: Ben Francka MAY 1	3 1991 3630 3300
Designate Type of Completion  X New Well Re-Entry Workover Wichita	ION DIVISION Karisas 1980
OilSWDTemp. Abd.	1650
Oil SWD Temp. Abd.  Gas Inj Delayed Comp.  X Dry Other (Core, Water Supply, etc.)	990 -
If OWNO: old well info as follows:	1 330 A /2 2 D x
Operator:	5280 4950 4950 4950 3960 3960 3970 1320 3970 3970 3970 3970 3970 3970 3970 397
Well Name:	Amount of Surface Pipe Set and Cemented at Feet
Comp. Date Old Total Depth	Multiple Stage Cementing Collar Used? Yes X No
Drilling Method:	If yes, show depth set Feet
X Mud Rotary Air Rotary Cable	If Alternate II completion, cement circulated from
12-20-90         12-29-90         1-1-91           Spud Date         Date Reached TD         Completion Date	feet depth to sx cmt.
	nd filed with the Kansas Corporation Commission, 200 Colorado of the spud date of any well. Rule 82-3-130, 82-3-107 and
82-3-106 apply. Information on side two of this form will	be held confidential for a period of 12 months if requested in 107 for confidentiality in excess of 12 months. One copy of all
wireline logs and drillers time log shall be attached with	this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4
form with all plugged wells. Submit CP-111 form with a conversion of a well requires filing of ACO-2 within 120 day	
All requirements of the statutes, rules and regulations promul	gated to regulate the oil and gas industry have been fully complied
with and the statements herein are complete and correct to t	
signature Ken W Hosnell	K.C. C. OFFICE HCC ONLY
	F Letter of Confidentiality Attached
Title Regulatory Coordinator Date 5	5/8/91 C Wireline Log Received C Drillers Timelog Received
Subscribed and sworn to before me this 8th day of May 19 91	Distribution
Notary Public Karla Destroy KARLAND.) THOMPSO	YCC SUN/Ren NGPA

(Specify)

## SIDE TWO

Operator NameARCO	Oil and	Gas		Lease Name	<u>Elme</u>	er Johnso	nWell#	1		
	-	☐ <sub>East</sub>		County	Gran	nt				
Sec. 31 Twp. 299	Rge. 38	<del>~~</del>			<u> </u>	<u> </u>				
		△ West								
INSTRUCTIONS: Show i interval tested, time hydrostatic pressures if more space is need	e tool open a , bottom hole :	nd closed, temperatur	flowing and flowin	nd shut-in pre	ssures, ⊯hetl	her shut-in	pressure read	ched static level,		
Drill Stem Tests Take (Attach Additional		Yes	X No			Formation D	escription			
Samples Sent to Geolo	gical Sürvey	X Yes				☑ Log	sample			
Cores Taken		Yes	IXI No	Name		Тор	Bott	om		
Electric Log Run (Submit Copy.)		X Yes		Chase Council Heebner	•	2326 2618 3809				
			•	Morrow		5177				
				Chester		5517				
	9: <b>4</b> :			St. Gen		5585				
	•			St. Lou	is	5628				
				7, 12						
			ING RECORD			<del></del> -	<u> </u>			
				New D	sed			ŀ		
	Report al	ll strings	set-conduc	tor, surface, i	ntermediate,	production,	etc.			
Purpose of String	Size Hole Drilled		Casing In O.D.)	Weight Lbs./Ft.	Setting Depth	Type and Percent Additives				
Conductor		16"			441	4 yards	grout			
Surface	. 12-1/4"	8-5	5/8"	24#	1,7991	1.799' 35~65 Poz 750 6% a				
	·					Class C	720	<u>                                    </u>		
Shots Per Foot	PERFORATION Specify Footag		Interval P	erforated			o <b>t, Cement S</b> q terial Used)	ueeze Record Depth		
					100 s	x		5166		
					100 s			2673		
-						<u>x</u>	<del></del>	$-\frac{2364}{1802}$		
					'I———	x _	-	744		
						X		40		
	-							<u> </u>		
TUBING RECORD	Size	Set		Packer At	Liner Run	Yes				
Date of First Produc	tion Producin	ng Method	Flowing	Pumping G	as Lift 🗆 (	Other (Expla	in)			
Estimated Production Per 24 Hours	l l	Bbls.	Gas	Mcf Wate			Oil Ratio	Gravity		
Disposition of Gas:	·		MET	HOD OF COMPLET	LON		F	Production Interval		
☐ Vented ☐ Sold		_ease	□ <sub>Open</sub>	Hole Perfo	ration 🗆	Dually Compl	eted 🗆 Comm	ingled		
(If vented, sub	mit ACO-18.)		Other	(Specify)	<del></del>			·		

CEMENTING S	SERVICE	REPORT			***		60	<b>=</b> }(	ORI	G	M	A I	NT N	IMBE	<sup>R</sup> 341	<u>/a  </u>	DATE /	21/90
GarWELL SCHLIMBERG												,GE		<u> </u>	DIST P	المالية المالية	2016	<del>-// /-</del>
	DS-496 PRINTED IN U.S.A.  WELL NAME AND NO. LOCATION (LEGAL)											# 1			<u> </u>	بحث ب	<u></u>	<u> </u>
- Company 0	- <del>1-1</del>	- 1	1	OCATIO	(CEGAL)				NAME:	<u> ナミ</u>	<u>0</u>	<u> </u>						
FIELD-POOL	רזכ		<del>-  </del>	ÖRMATI	ON				LL DATA:	- 	1	<b>.</b> .	BOTT			т	TOP	¬
. /	~~)		ľ					11—		24	₩	iner Size	8			├──	<del> </del> -	-
HUOTOYI COUNTY/PARISH STATE					,	TAI	PI. NO.	<del>مر</del> ہا⊢	AL DEPTH		WEIGH		24			├	<del></del> -	4
Good	_				7585				ROT CAB	<u></u>	FOOT		180	, 2			<b>├</b> ──	4
CITALL				<u>V //</u>	110113	<u>l</u>			D TYPE		GRAD					<b>├</b>	<del></del>	-
Aeco.									☐ BHST THREAD						<b>├</b> —			
IVAIVIE									D DENSITY			OOTAGE OINT(S)	4;			<del>  7</del>	<u> </u>	TOTAL
AND								<b>⊣</b>	D VISC. E: Include Foo		<b>↓</b>	Capacity		40		5/-/		<del></del>
ADDRESS								<del> </del>	TYPE					р. Сар	TYPE ~			╛
ADDITEOS								Foat	DEPTH	14	7.4	<u>- ∌∩ऽख</u>	+	- j		<del>\</del>		
SPECIAL INSTRUC	07/03/0				ZIP CODE			ᅫ	TYPE	-	•	100_		լ×	TYPE	+	<del></del>	
		<del></del>	<del> ,</del>					SHOE	DEPTH		TXP			Stage	DEPTH			
Provid	se s	Mater	1A15				<u> </u>		d & Plugs	<u>l</u> IJ⊜ тв		<u>ン</u> ロD.F		<u> </u>	<u> </u>	SQUEEZE	IOB	
									Double	SIZE			_	TYF		JOSEEL		
								بـــــال	Single	□ w	IGHT		1001	DEI				
		·				_		⊣اٽ—	Swage	□ GR	<del>-</del>				E: SIZE	DEPTH		
IS CASING/TUBIN	G SECURED	)? \$2 YE	S DNO	<u> </u>		_		<b></b>	Cnockatt	п тн	READ		TUI	BING	VOLUME			Bbl
LIFT PRESSURE	74	1	PSI		ASING WEIGH (3.1	T + SURF	ACE AREA	┵	OR OW	<u>ll</u> .	w ou	SED	CA	SING	VOL. BELC	W TOOL		Bbls
PRESSURE LIMIT			PSI		(3.1 PLUG TO	(4 × H2)	PS	BOT	r or ow	DEPT			то	TAL				Bbl
ROTATE	-200		PROCATE		FT No. 0	f Centraliz		+		╫╌─			AN	NUAL	VOLUME			Bbl
	<u> </u>				JOB SCHEE			i la	RRIVE ON I	H. LOCATI	ON	<del>-</del>	<del></del>	EFT	LOCATION			<del></del>
TIME	PRES	SURE	VOLU PUMPE	ME Dest			re:10 िश	901	IME: 19	30	DATE	0/0/1	90 1	ПМЕ:			DATE: /-2/	01/90
0001 to 2400	TBG OR D.P.	CASING	INCREMENT	СИМ	INJECT RATE	FLUID	FLUID DENSITY	SERVICE LOG DETAIL										
000110 2405_	132X					4/2	6.33	PRE-	IOB SAFET	Y MEET	ING C	\ <u>\</u>		I	Time			_
7.041	7 27.1	70	10		. <del>-</del> :>		7.33			./ .		<del>121 1</del>	<del>23</del>	<u> </u>	XUI V			
10/11	,	<del>                                      </del>	043	<u> </u>		Tar 1+	12.7			<del>(2)</del> (	) <i>11</i>	THE MC		<u></u>				
<u> </u>	-			├	- (	1.	+	Stad Zood Cmt										
3-7		1	/25-T			ند ا	14-8		<del></del> =	<b>X</b> 00		<del>)</del> U (	<u>, w</u>	)T				
30.00	ļ							3	<u> </u>	<u>سم</u>	<del></del>	<u>) (حت) .</u>	علا	<u>۵</u>				
20:13	Ц	150	1/2		5.7	100	8.33			710	<u>-40</u>	<b>以</b> 完	<u> </u>	<u>ēm</u>	<u>- t-</u>			
80:31_	<u> </u>	400			107	100	8.33			we		Xmn.	<u>&gt; €</u>	王				
20:37		950	<u> </u>	<u> </u>	1.7	100	8.33			Som	<u>ا جرہ</u>	->IU	<u> </u>		<u></u>			
20:38	0		<b> </b>		Ŭ <del>~</del>	150	8,33	)	`₹	elc	ALSO	43	<u> </u>					
30:40					<del></del>					<b>5</b> a	The state of the s	AFD	•					
<u> </u>									STATE	CORP	PORATI	ON COMP	HICCH					
			33										•••	-116				
		7.82	e de		<u> </u>		<u> </u>			MAY	V 1 5	- <u></u> 7 1991						
		<del></del>								- IVI 14	+- 1 .	<del>) 1331</del>						_
		<del>                                     </del>		<del>                                     </del>	<del>                                     </del>	†	† <del></del>	<del> </del>		ONSEE	RVATIO	N DIVISIO	INI					
	<del>                                     </del>	<del> </del>	<del>                                     </del>				-			Wie	chita, I	(ansas	<u> </u>					
				-	<del> </del>	-	<u> </u>			_	<u> </u>							
REMARKS	<u> </u>	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>						_			<del></del>	
HEWARKS												<u> </u>		_				
	<del></del>	1 viers														<del></del>	SLURRY MI	YED -
SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/S		-/_	0-/		OMPOSITION									8	BLS	DENSITY
1.	750	1.80	) = ==================================	165 <u>.</u>	70	+	2065	<i>290</i>	) + 1/2	1 77	SIC	<u></u>	9_			24	<u> </u>	12.7
2.	150	7,36	2 C'	A55	C +	1/4	#/SK	<u> </u>	<del>99</del> 7	rd,	<u> 20-</u>	<u>&gt;/</u>				_Յ,	<u> </u>	14.8
3.		<u> </u>	_											_		ــــــ		
4,		<u> </u>														—		
5.		-				_										<del> </del>		<del> </del>
<u> </u>		<u> </u>									<del>- , .</del>					73.28		
BREAKDOWN FLI				_	VOLUME	_				ENSITY	<del>- ^</del>	RESSURE			MAX.	-90	O MIN:	<u> </u>
☐ HESITATION S		/	☐ RUNN		CIRCULATIO				□ Y	ES D	-+	ment Circul	ated T	o Sur	. EYES	S D NO		Bbls
BREAKDOWN	PS	FINAL		PSI	DISPLACEME			<u> </u>	1/2-1		— ·	(PE Mail	L AS	O N	TORAGE NECTION		BRINE WATE	R
Washed Thru Per	rfs 🗆 YES	O NO T	<u> </u>	FT.	<del> </del>					WIREL			_	_				
PERFORATIONS	/ -	Agu.	0		CUSTOMER	REPRESE	NTATIVE -		<b>-</b> ,		O	- 21	IPERV		2/1	,		
TO /	,	T(			1	NI	1 M	دمعموير	n fini		- 1	17 1/2	0/5		Park	6		



## WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO NO. 043 400

DISTRICT Libeal 1KS,							DATE	2-3/-9	70
TO: HALLIBURTON SERVICES  THE SAME AS AN INDEPENDENT		REPY REQUES	ETED TO FU	IRNISH E	75 _		CEMEN TO	DELIVER AN	ID OPERATE
AND DELIVER AND SELL PRODUC	CTS, SUPPLIES, AND MA	ATERIALS FOR TH	HE PURPOSE	OF SERVI	(CUSTOM	ER)			
WELL NO LEA:	SE Elmer 50	hison		SEC	31	_ TWP	29	RAN	38W
FIELD	COUNTY GRENT	STATE	KSI		OWNED		ME		
THE FOLI	LOWING INFORMA	TION WAS FU	JRNISHEE		E CUSTON	MER OR I	IIS AGEN	Ţ	
FORMATION NAME	TYPE			NEW USED	WEIGHT	SIZE	FROM	то	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO_		CASING	4	24	85/8	G.L.	1797	· · · ·
PACKER: TYPE	SET AT _		LINER D. A			1111			<del></del>
TOTAL DEPTH 5 200 T.	MUD WEIGHT	) a	Pelke.	4	1616	472	K.S.	5200	
BORE HOLE		**************************************	OPEN HOLE		RECEIV	ED7 Vg	1795	5-265	· SHOTS/FT.
INITIAL PROD: OILBPD,	BPD, GAS	MCF	PERFORATIO	STATE U	ORFORATION	COMINIOSI	UK -		
PRESENT PROD: OILBPD,	H₂Oಫ BPD, GAS.	MCF	PERFORATIO	ons _	MAY 1 3	1991		 	
			PERFORATIO	NS CO	NECOVATION	DIVISION			
PREVIOUS TREATMENT: DATE	TYP	E	_ <u></u>		_ Wichitanka	yisas			
TREATMENT INSTRUCTIONS: TREAT T	THRU TUBING ANNUL	US CASING	TUBING/AN	NULUS L	HYDRAULIC	HORSEPOV	VER ORDER	ED	
) S PTA 1005	K PARMIUM	est 5200'	; /E	D 512 1	Menic	m 1100	- 94	<u> 2673,</u>	
1005 & Regnium Plus	2362	5050	z' Ppo,	niem f	145 00	180	2'/_	1705	a Aspento
Plus at 810' : 12	TE PREGNA UN	Alus do	162	. 25	ISK PA	emium !	H45 4	4 Rati	166
MER ROOM Alus	N Mouse ho	4				-			
CUSTOMER OR HIS AGENT WARRANTS	THE WELL IS IN PROPE	R CONDITION TO	RECEIVE TH	IE PRODUC	CTS, SUPPLIE	S, MATERIA	LS, AND SE	RVICES	
As consideration, the above-named Customer		TRACT MUST BE SIG					7.0		
To pay Halliburton in accord with the ral payment of Customer's account by the le- but never to exceed 18% per annum. In	ites and terms stated in Hallib	he month in which the	invoice is dated	Customer a	crees to pay inter	est thereon aft	er default at the	highest lawful or	intract rate applicab

- 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 croperty 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 revaily interest owners.
  - 2. Reservoir, formation, or well loss or damage, subsurface tresnass 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 harmess 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 turnished 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 will 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 Engliburton 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 detects in workmanship and materials. THERE ARS NO WARRANTIES EXPRESS OR IMPLIED. OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items, In no event shall Halliburton be liable for special, incidental, indirect. punitive or consequential damages.
- 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 tools or replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished
- That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in

ed executive officer of Halliburton. la by a du

CONTRACT AND REPRESENT SAME AS CUSTOMER'S AGENT. HAVE READ ERSTAN

SIGNEE

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

HALLIBURTON SERVICES
-------------------------

## JOB HALLIBURTON DIVISION -

HALLIBURTON DIVISION

					WELI	LDATA Ø	<u>Su</u> ,		Sec. t	<u>_</u>	STATE_	<u>C</u> S
ELD				_SEC	TWP.	RNG,	NEW			FROM	то	MAXIMUM PSI
ORMATION	NAME		TYP	E		C.C.	USED	WEIGHT	SIZE	GIL,	1757	MAXIMUM PSI ALLOWABLE
ORMATION	THICKNESS_	FF	юм	то		CASING	4	24	J''8	121-1	1771	<u> </u>
NITIAL PROD	): OIL	BPD. WATER	BPO, (	GAS	MCFD	TURER 1	4	11.1	4112	10.11	5 200	
RESENT PR	OD; OIL	BPO. WATER						166		120-		<u> </u>
OMPLETION	DATE	MUD TYPE	Chen	MUD WT	9,24	OPEN HOLE	-		27/8	1297	5200F	SHOTS/FT.
ACKER TYP	E		SET A	т		PERFORATION					<del> </del>	
оттом ног	E TEMP.		PRESSURE			PERFORATION	ONS				<u> </u>	
IISC, DATA_			TOTAL	DEPTH	5200 t	PERFORATION	ON5				<u> </u>	
					JÓB	DATA	_					
		TOOLS AND ACC	ESSORIES			CALLED OU		ON LOCA		JOB STARTED		COMPLETED
	TYPE ANS	) SIZE	QTY.		MAKE	DATE 12-	ろんがこ	DATE /	ひろんちつ	DATE 2#3	「プコ   DATI	e/+/-9/
LOAT COLL	AR		*			TIME 16	(0)	TIME	4/2	TIME 20	TIME	0930
LOAT SHOE					•			_		D SERVICE	UNITS	
UIDE SHOE								NAME		UNIT NO. &	TYPE	LOCATION
ENTRALIZE	R5						121	2000	F84487	40078		
OTTOM PLL					<del></del>		<u> </u>	<u> </u>	9 1111	T 1670	4 41	head we
OP PLUG		<del>-</del>				R.	Seel	as l	4781	75374		7 103
EAD					_			<u> </u>		TC-4 A	· 1 2	4
ACKER			_	<del>                                     </del>		77		acai	D9346	5303	£ />-	
						<del></del>		14 CON	P 1768	BUK		. L. L.
THER	<del> </del>	MATERIA	15	<u></u>			/		5004		77 54	sarm, as
		MATERIA					[4]	1 4 162	25074		24	
REAT, FLUII	o		DENSITY	•	O LB/GAL,-API					34/1		-
ISPL. FLUIC	·		DENISTY		LB/GALAPI					1		
ROP. TYPE_				LB						<del> </del>		
ROP, TYPE_		SIZE		LB						]		
CID TYPE		GA	L.		_%							
CID TYPE_										_		
CID TYPE.		GA			.%.					]	_1	
	TYPE	GA		IN		DEPARTMEN	. /	Po Imile	ルニ・スナー	<del></del>		
URFACTANT		GAI				DESCRIPTION	•	- 1/	5	大儿		
E AGENT T			201	ECELAE	<u> </u>	PESCHIPTION	or Jud			<i>φ.</i> 1		
	AUU. IYPE	GAL-l	<sub>ውፒ ለ</sub> ፒድ ርበዓየ	ONTARO	COMMISSION			-	_			
ELLING AG	CENT 7/27	GAL-1	<del>ب المال</del> ي	IN					-	A		
		GAL-1		<u>√</u> Чप्र	1991	JOB DONE T	HRU, T	UBING \	1000	sing A	ANNULUS [	TBG./ANN.
REAKER TY		GALL	JA1 L	/—IN——				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	M~		,	
	GENT TYPE	<del></del>		3ALLB 013 71(\A	1 DIVISION	CUSTOMER	Y	* *	M. D	alken	Man	•
ERFPAC BA	LL5 TYPE		COnsol	vichita, K	arisas	REPRESENTA	TIVE /		1	William	Wy The state of th	<u> </u>
THER			<u>A</u>	MCHICAL IN	····	HALLIBURTO	N 1	m . /	) / [	مسف ا	copies	
THER		<del></del>			~=	OPERATOR J	10	rigo	! Sun ( )	/	PEQUESTED_	
		<del></del>		1 1	CEMEN	AT DATA					<del>-</del>	-
STAGE	NUMBER OF SACKS	CEMENT	DIANE	BULK			ADDIT	TIVES			YIELD CU.FT/SK.	MIXED LBS:/GAL.
<del></del> +		- 0										<del> </del>
<u>5</u> 2⁄3 <sub>3</sub>	/33	PROMISION						_			1118	15,60
673	100	Paterion No	·	J							132	14.7
3/2	100										<u> </u>	1.
SO!	50											<del>                                     </del>
310	170			<u> </u>								<u></u>
QŽ.	72	PRESSURES IN	PSI		SUMM	MARY		/ . Ic	VOLU	MES	16 3	
HELLATING			SPLACEMENT.			PRESLUSH: BB	L)GAL/L	ردارعا	<u> </u>	TYPE_	· Salah	<u>-</u>
REAKDOWN	<u> </u>		AXIMUM			LOAD & BKDN:	BBL,-GA	<u> </u>	· · ·	PAD	BBL.GAL.	3.365
VERAGE		FRACTL	RE GRADIENT_			TENTHENT: E	Ç. (BÚ)-GAL.	<u>َ بذ رد</u>	<u>5, 3, 8</u>	DISF	LE GALD	אני פנין
HUT-IN: INS	TANT	5-MIN		1 5-MIN		CEMENT SLURI	RY: ØD	GAL,	23,5 23	15: 11.75	40:28	56,4
		HYDRAULIC HOR	SEPOWER		. – –	TOTAL VOLUM	مي	3			,	<u>, , , , , , , , , , , , , , , , , , , </u>
RDERED		AVAILABLE		USED		TOLOMI			REMA	RKS		
		AVERAGE RATE	IN BPM									
DEATING		DIED	,	OVERALI								
REATING	-	CEMENT LEFT	IN PIPE	OVERALL		_						
EET		REASON								<del>-</del>		<del></del>

GRIGINAL VOLUME PUMPS PRESSURE (PSI) DESCRIPTION OF OPERATION AND MATERIALS (BBL) (GAL) TUBING CASING D. P. at 810' Chamlate Hook wats and PAP HO SPACES And Cost. 17050 Pravion Plus at 14.82 10 40 Freshort Pap Has Displacement Frush Diplacement, Know Lose Pull D.J. Gut of hole", Lay Dury, Kelly, Rot & Mosse HOOKUP of Cont 62'-18' with 125x Boom Plas 28 Hoken tend Rothslewith 2456 from Place 5.6 Hooking tent Marse Holo with 1994 Keem Hus. Hugging completed Released 157 Plug. 4881-5199 with 1005x Pan 2 1 1h, 2431-2673 with 10054 Page 1/15 301 8/4, 2116-2361 with 10050 from Plus 4th Plyg 1624-1803 with 5050 Page 145 6Th Alug 18'-62' with 1254 Prom Plas Milly Ratholowith 245k Paon 5th Pla Muscholowith 1954 Rear Plas RECEIVED
STATE COPPORATION COMMISSION MAY 1 3 1991 CONSERVATION DIVISION Wichita, Kansas Thomas Fix Calling Hallbrother Side. Lessy A Cornet & CREW!

\_\_\_\_

CUSTOMER

## LIBURTON SERVICES JOB LOG

WELL NO. LEASE CHINE SCHAFLY TICKET NO. 043400

CUSTOMER CREG DILL CTI PAGE NO. 1 54 2

JOB TYPE 1/5 374

DATE 12-3/-70 OD 101

1 201	13 R-2	<del></del>		JOB.	TYPE	115	7 77	DATE / 4-5/-70 ADICINI
λRT O.	TIME	RATE · (BPM)	VOLUME (BBL) (GAL)	PUM	PS C	PRESSURE	(PSI)	DESCRIPTION OF OPERATION AND MATERIALS
	16,00	***	(5.12)	-	-			Called out Road at 20100
	19:00							On Cocations Pag L.D. Collars
	20:40		-					Izanto Roy Floor Ry TIH
	2/10	-						O. 1 at Saw I Create Hole
154	2200					ने क्रान		House to east 18thing Paine tel Patien
	23:30	3						Pmp Hz O Spaces
	22:25	<b>3.</b> 5	16					proposit. 1005k Parkirum et15,6 \$
	22:31	3, 3	21			."		and the spaces the
	22:3L	4,5	3					pmp Mud Displacement
	22:46		67					First Displace ment Knock lose, Pull D.P.
	24:50						,	D.Pat 2672 Rill Löle
તીવ હે	0100							Hook ud.
	Ct: 03							prop the Space
	chol		15		3.			proposit 1005% fromin Dis at 1888
	01:12	ļ	. 23,5		• 7		 	Pino Itro Spaces
٠.	01:13	<u> </u>	3_			,		pmp Mud Displacement
	01:19	٠, ا	30.			a 121	· · · ·	Finish Displacement, Knock lose Pull D.P.
<u> </u>	01:30							Hankup to D.P. at 2361
	01:31	7	. ,	,		50/200		and thus to get often in
	01:41		·			50 1		Lost Return appear 71 Algore
	01143		82				- 	Short down, 35 MIGORE, Knowlose, PULLOR
								Names Pap Mad / Last Cac
	0415							D.P. st 1361' + Cinc. Hookuptown+
	04.23		<del>- 2 - 1</del>					and 1120 Specie
	0429	4	24				, , '	papent 10054 Permina Alus at 148 ".
	DE 35	9	23.5			RECEIV	<u> </u>	puppled Space
	0436	4.	3	s	TATE	CORPORATION	COMMISS	pump Mid Daplacement
	04:42		28	`	·	MAY 1:3	10 01	Fruit Distacement Kank bose Pall D.H.
<b>%</b>	05:10	<del>  </del>	<u>-</u>		-	<b></b>		Dilation quality
	95:25				(	ONSERVATION Wichita, K	DIVISION	Horse in to card
	05/27	3.5	·"			3710111001	, 	pro /ha spaces
	05:30	_3	10				·	property 5034 Premise Plus ext 14.84
	05: 34	ا ِ حَـــــ	11:75	. *	-		 	ama the Space
	Q5: 15	3	_جي_					Prop Mud Daylowand
	05:40	- <del></del>	18					Furth Distace and Kore & love, Pull DP
		· · · · · · · · · · · · · · · · · · ·	<u> </u>			 		
	<u> </u>					794		Please See Job Log \$2 For Rest of Jely

CUSTOMER