Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000

Rule 165: 10-3-25

API No.: 35019262720000 **Completion Report** Spud Date: April 24, 2017

OTC Prod. Unit No.: 019-219259 Drilling Finished Date: May 04, 2017

1st Prod Date: September 11, 2017

Completion Date: September 17, 2017

Drill Type: STRAIGHT HOLE

Min Gas Allowable: Yes

Well Name: SPRING CREEK 1-18 Purchaser/Measurer: TARGA PIPELINE

Location: CARTER 18 3S 2W First Sales Date: 09/14/2017

C NW SE

1980 FSL 1980 FEL of 1/4 SEC Latitude: 34.29449 Longitude: -97.4463 Derrick Elevation: 1012 Ground Elevation: 992

Operator: CHARTER OAK PRODUCTION CO LLC 21672

> 13929 QUAIL POINTE DR OKLAHOMA CITY, OK 73134-1037

	Completion Type
	Single Zone
	Multiple Zone
Х	Commingled

Location Exception
Order No
There are no Location Exception records to display.

Increased Density
Order No
There are no Increased Density records to display.

Casing and Cement								
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT	
CONDUCTOR	30			80			SURFACE	
SURFACE	9 5/8	36	J-55	680		250	SURFACE	
PRODUCTION	5 1/2	17	P-110	9850		800	5940	

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
	There are no Liner records to display.							

Total Depth: 9850

Packer					
Depth Brand & Type					
There are no Packer records to display.					

Plug						
Depth	Plug Type					
9035	CIBP					

Initial Test Data

January 08, 2018 1 of 4

Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut- In Pressure	Choke Size	Flow Tubing Pressure
Jun 21, 2017	ARBUCKLE (ABOVE KINBLADE)					85	SWAB	3700		
Aug 14, 2017	MCLISH						SHUT-IN	3700		
Aug 14, 2017	VIOLA						SHUT-IN	2100		
Aug 15, 2017	HUNTON-MORRIS /DES MOINES/						SHUT-IN	1900		
Sep 17, 2017	MCLISH-VIOLA-HUNTON -MORRIS /DES MOINES/	46	42	166	3609	250	PUMPING	650	17/64	
		Cor	npletion and	l Test Data b	y Producing F	ormation				
	Formation Name: ARBUGKINBLADE)	CKLE (ABO)	/E	Code: 16	9ABABK	С	lass: DRY			
	Spacing Orders		$\neg \vdash$		Perforated I	ntervals		\neg		
Orde	er No Ui	nit Size		Fron	n	7	Го			
568	8630	160		9624	1	96	644			
	Acid Volumes				Fracture Tre	atments				
	2,000 GALLONS 15% NEF	E			65 BARREL	S KCL				
	Formation Name: MCLIS	SH		Code: 20	2MCLS	C	lass: GAS			
	Spacing Orders				Perforated I	ntervals				
Orde	er No Uı	nit Size	$\exists \vdash$	Fron	n	То				
568	3630	160		8640)	8734				
	Acid Volumes				Fracture Tre	atments				
	30,000 GALLONS 20% NER	FE		0,244 BARR	ELS 2% KCL, 2 SANI		JNDS 20/40			
	Formation Name: VIOLA			Code: 20	2VIOL	C	lass: GAS			
Spacing Orders			Perforated Intervals							
Orde	er No Uı	nit Size		Fron	n	7	Го	\neg		
155194 160				7150)	78	382			
	Acid Volumes		$\neg \vdash$		Fracture Tre	atments				
			-+							

January 08, 2018 2 of 4

10,230 BW, 200,000 POUNDS 20/40 SAND

30,000 GALLONS 20% NEFE

Formation N	ame: HUNTON	Code: 269HNTN	Class: GAS
Spacing	Orders	Perforated I	ntervals
Order No	Unit Size	From	То
155194	160	6910	6922
Acid Vo	olumes	Fracture Tre	atments
1,500 GALLON	NS 20% NEFE	8,586 BW, 225,000 PO	UNDS 20/40 SAND
Formation N MOINES/	ame: MORRIS /DES	Code: 404MRRS	Class: GAS
Spacing	Orders	Perforated I	ntervals
Order No	Unit Size	From	То
260736	160	6563	6625
Acid Vo	olumes	Fracture Tre	atments
1,500 GALLON	NS 20% NEFE	8,586 BW, 225,000 PO	UNDS 20/40 SAND
Formation N MOINES/	ame: HUNTON-MORRIS /DES	Code:	Class: GAS
	ame: MCLISH-VIOLA-HUNTON- ES MOINES/	Code:	Class: GAS

Formation	Тор
TUSSY	4940
CARPENTER	6318
MORRIS	6530
HUNTON	6745
SYLVAN	6923
VIOLA	7108
BROMIDE	7940
MCLISH	8356
ARTUCKLE	9290

Were open hole logs run? Yes Date last log run: May 05, 2017

Was H2S Encountered? Yes

Depth Encountered: 14000

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

H2S WAS DETECTED AT 14,000 PPM AFTER PERFORATING AND TREATING ARBUCKLE AS REPORTED. CIBP WITH 2 SACKS CEMENT SET AT 9,035'. NO H2S DETECTED AFTER.

FOR COMMISSION USE ONLY

January 08, 2018 3 of 4

Status: Accepted

January 08, 2018 4 of 4

Form 1002A Rev. 2009

PLEASE TYPE OR USE BLACK INK ONLY 35-019-26272 OKLAHOMA CORPORATION COMMISSION OTC PROD. 019-219259 OCT 0 5 2017 Oil & Gas Conservation Division Attach copy of original 1002A UNIT NO. Post Office Box 52000 if recompletion or reentry Oklahoma City, Oklahoma 73152-2000 OKLAHOMA CORPORATION ORIGINAL Rule 165:10-3-25 COMMISSION AMENDED (Reason) **COMPLETION REPORT** TYPE OF DRILLING OPERATION 640 Acres SPUD DATE 4/24/17 STRAIGHT HOLE DIRECTIONAL HOLE HORIZONTAL HOLE DRLG FINISHED 5/4/17 SERVICE WELL If directional or horizontal, see reverse for bottom hole location DATE OF WELL 9/17/17 COUNTY Carter **SEC 18** TWP 03S RGE 02W WELL 1-18 LEASE Spring Creek 1st PROD DATE 9/11/17 1/4 SEC 1980' 1/4 SEC 1980' FEL ESI OF 1/4 C 1/4 NW 1/4 SE 1/4 RECOMP DATE ELEVATIO 1012' Longitude (if known) -97.44630 Ground 992' Latitude (if known) 34.29449 OPERATOR Charter Oak Production Co., LLC OPERATOR NO. 21672 ADDRESS 13929 Quail Pointe Dr. CITY Oklahoma City STATE OK ZIP 73134 LOCATE WELL **COMPLETION TYPE** CASING & CEMENT (Form 1002C must be attached) SINGLE ZONE TYPE SIZE WEIGHT GRADE FEET PSI SAX TOP OF CMT MULTIPLE ZONE CONDUCTOR 30' 80 Surface Application Date COMMINGLED SURFACE 10/5/17 9 5/8' 36# J-55 680 250 Surface Application Date INTERMEDIATE EXCEPTION ORDER INCREASED DENSITY PRODUCTION 5 1/2" 17# P-110 9850 800 5940' ORDER NO. LINER TOTAL 9850' TYPE CBP CTBPLUG@ PACKER @_ **BRAND & TYPE** PLUG @ 90351 TYPE DEPTH PACKER @ BRAND & TYPE PLUG @ TYPE PLUG @ TYPE COMPLETION & TEST DATA BY PRODUCING FORMATION 169 ABAE -202 VIOL SHHNTA Arbuckle (above **FORMATION** McLish Viola Hunton Morris Morris, Hunton, Viola, McLisi SPACING & SPACING 160 Ac. - 568630 160 Ac. - 568630 160 Ac. - 155194 160 Ac. - 155194 160 Ac. - 260736 160 Ac. - 155194, 260736, 56863 ORDER NUMBER
CLASS: Oil, Gas, Dry, Inj, Drv Gas Gas Gas Gas Gas Disp, Comm Disp, Svc 9624' - 9629' 8640' - 8734' O.A. 7150' - 7882' O.A. 6910' - 6912' 6563' - 6567' 6563' - 8734' O.A. PERFORATED 9639' - 9644' See attached schematic See attached schematic 6918' - 6922 6571' - 6573' See attached schematic INTERVALS 6619' - 6625 ACID/VOLUME 2000 Gal 15% NeFe 30.000 Gal 20% NeFe 30.000 Gal 20% NeFe 1500 Gal 20% NeFe Treated with Hunton N/A 65 BBL KCI 10,244 BBL 2% KC 10,230 BW 8586 BW N/A FRACTURE TREATMENT 200,000# 20/40 sand 200,000# 20/40 sand 225,000# 20/40 sand (Fluids/Prop Amounts) Min Gas Allowable (165:10-17-7) Gas Purchaser/Measurg Targa Pipeline X OR 9/14/17 INITIAL TEST DATA Oil Allowable (165:10-13-3) INITIAL TEST DATE 6/21/17 8/14/17 8/14/17 8/15/17 Tested with Hunton 9/17/17 OIL-BBL/DAY 0 N/A N/A N/A 46 OIL-GRAVITY (API) N/A N/A N/A N/A 42.0 GAS-MCF/DAY N/A N/A N/A N/A 166 GAS-OIL RATIO CU FT/BBL N/A N/A 3608.70 N/A N/A WATER-BBI /DAY 85 N/A N/A N/A 250 PUMPING OR FLOWING Swab Shut-in Shut-in Shut-in Pumping INITIAL SHUT-IN PRESSURE 3700 psi 3700 psi 2100 psi 1900 psi 650 psi CHOKE SIZE N/A N/A N/A N/A 17/64"

A record of the formations drilled through, and pertinent remarks are presented on the reverse. I declare that I have knowledge of the contents of this report and am authorized by my organization to pake this report, which was prepared by me brunder my supervision and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge and belief 10/5/17 (405) 286-0361 JC Brevetti, Engineering Tech. SIGNATURE NAME (PRINT OR TYPE) PHONE NUMBER DATE 13929 Quail Pointe Dr. Oklahoma City OK brevetti@charteroakproduction.com 73134

ZIP

STATE

N/A

N/A

N/A

CITY

FLOW TUBING PRESSURE

N/A

ADDRESS

EMAIL ADDRESS

N/A

PLEASE TYPE OR USE BLACK INK ONLY FORMATION RECORD

Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

4040'	
4940'	ITD on file YES NO
6318'	APPROVED DISAPPROVED 2) Reject Codes
6530'	
6745'	
6923'	
7108'	Were open hole logs run?
7940'	Date Last log was run May 5, 2017 Was CO ₂ encountered? yes no at what depths?
8356'	Was H ₂ S encountered?
9290'	Were unusual drilling circumstances encountered? If yes, briefly explain below
	6530' 6745' 6923' 7108' 7940' 8356'

FOR COMMISSION USE ONLY ITD on file YES NO APPROVED DISAPPROVED 2) Reject Codes Were open hole logs run? Was CO ₂ encountered? Was CO ₂ encountered? Yes no at what depths? Were unusual drilling circumstances encountered? Were unusual drilling circumstances encountered? It yes, briefly explain below	LEASE NAME	Spring Creek			WEL	L NO. 1-18	
APPROVED DISAPPROVED 2) Reject Codes Were open hole logs run? V yes no Date Last log was run May 5, 2017 Was CO ₂ encountered? Was H ₂ S encountered? V yes no at what depths? See Remarks Were unusual drilling circumstances encountered? V yes no at what depths?			FO	R COMMIS	SION USE ONLY		
Were open hole logs run? Was CO ₂ encountered? Was H ₂ S encountered?	ITD on file						
Date Last log was run Was CO ₂ encountered? Was H ₂ S encountered? Was H ₂ S encountered? Were unusual drilling circumstances encountered? May 5, 2017 no at what depths? See Remarks				2) Reject	Codes		
Date Last log was run Was CO ₂ encountered? Was H ₂ S encountered? Was H ₂ S encountered? Were unusual drilling circumstances encountered? May 5, 2017 no at what depths? See Remarks					-		
Date Last log was run Was CO ₂ encountered? Was H ₂ S encountered? Was H ₂ S encountered? Were unusual drilling circumstances encountered? May 5, 2017 no at what depths? See Remarks							
Date Last log was run Was CO ₂ encountered? Was H ₂ S encountered? Was H ₂ S encountered? Were unusual drilling circumstances encountered? May 5, 2017 no at what depths? See Remarks			-				_
Was CO ₂ encountered?	Were open hole	logs run?	√ yes	no			
Was H ₂ S encountered?	Date Last log wa	s run	May 5, 2017				
Were unusual drilling circumstances encountered?	Was CO₂ encou	ntered?	yes	✓ no	at what depths?		_
	Was H₂S encour	ntered?	✓ yes	no	at what depths?	See Remark	s
	Were unusual dri If yes, briefly exp	illing circumstance lain below	es encountere	d?		yes / no	
							_

640 Acres											

9035'. No H2S detected after.

If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.

Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all

drainnoie	s and			wells	S.	
		640	Acres			

BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE		COUNTY				
Spot Loca	ation 1/4	1/4	1/4	1.	Feet From 1/4 Sec Lin	es	FSL	FWL
Measured	Total Depth		True Vertical De		BHL From Lease, Unit		rty Line:	

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL #1

SEC	TWP	RGE		COUNTY			
Spot Location	on 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of			Radius of Turn		Direction	Total	
Deviation						Length	
Measured T	otal Depth		True Vertical De	pth	BHL From Lease, Unit, or Prope	erty Line:	

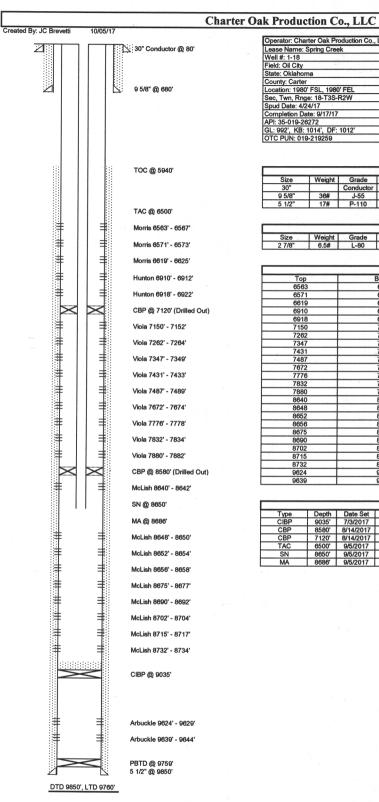
LATERAL #2

SEC	TWP	RGE		COUNTY			
Spot Location	on 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of			Radius of Turn		Direction	Total	
Deviation						Length	
Measured T	otal Depth		True Vertical Dep	pth	BHL From Lease, Unit, or Prope	erty Line:	

I ATEDAL #2

SEC TWP	RGE	COU	NTY			
Spot Location 1/4	1/4	1/4	1/4 F	eet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation		Radius of Turn		Direction	Total Length	· ·
Measured Total De	oth	True Vertical Depth	В	BHL From Lease, Unit, or Pr	operty Line:	

Image @ 100ZA



Operator: Charter Oak Production Co., LLC	Surface Equipment Inventory
Lease Name: Spring Creek	Pumping Unit: Lufkin 456-305-144
Well #: 1-18	Motor: 40HP
Field: Oil City	Oil Tanks: 2 - 300 BBL Steel
State: Oklahoma	Water Tank: 1 - 200 BBL FG
County: Carter	Separator:
Location: 1980' FSL, 1980' FEL	Heater: Horizontal
Sec, Twn, Rnge: 18-T3S-R2W	Pump: 2" x 1 1/2" x 20'
Spud Date: 4/24/17	Rod String Design: 20 - 7/8" T-66,
Completion Date: 9/17/17	220 - 3/4" T-66, 109 - 7/8" T-66
API: 35-019-26272	
GL: 992', KB: 1014', DF: 1012'	Subs: 2'
OTC PUN: 019-219259	Polished rod:

			Casing I	Design			
Size	Weight	Grade	Joints	Hole Size	Setting Depth	Sx Cement	TOC
30"		Conductor			80'	33.00	Surface
9 5/8"	36#	J-55	17	12 1/4"	680'	250	Surface
5 1/2"	17#	P-110	242	8 3/4"	9850'	800	5940'

			Tubing I	Design	
Size	Weight	Grade	Joints	Hole Size Setting Depth	Comments
2 7/8"	6.5#	L-80	270	8650'	(F)

	Perforated	Intervals	
Тор	Bottom	Formation	Perforation Date
6563	6567	Morris	8/14/2017
6571	6573	Morris	8/14/2017
6619	6625	Morris	8/14/2017
6910	6912	Hunton	8/14/2017
6918	6922	Hunton	8/14/2017
7150	7152	Viola	8/14/2017
7262	7264	Viola	8/14/2017
7347	7349	Viola	8/14/2017
7431	7433	Viola	8/14/2017
7487	7489	Viola	8/14/2017
7672	7674	Viola	8/14/2017
7776	7778	Viola	8/14/2017
7832	7834	Viola	8/14/2017
7880	7882	Viola	8/14/2017
8640	8642	McLish	7/3/2017
8648	8650	McLish	7/3/2017
8652	8654	McLish	7/3/2017
8656	8658	McLish	7/3/2017
8675	8677	McLish	7/3/2017
8690	8692	McLish	7/3/2017
8702	8704	McLish	7/3/2017
8715	8717	McLish	7/3/2017
8732	8734	McLish	7/3/2017
9624	9629	Arbuckle	6/10/2017
9639	9644	Arbuckle	6/10/2017

	Packers, Plugs, Etc.									
Туре	Depth	Date Set	Date Removed	Removal Method	Notes					
CIBP	9035'	7/3/2017			2sx cement					
CBP	8580'	8/14/2017	9/1/2017	Drilled Out	Drilled to 8920'					
CBP	7120'	8/14/2017	9/1/2017	Drilled Out						
TAC	6500'	9/5/2017								
SN	8650'	9/5/2017								
MA	8686'	9/5/2017								

Notes				

9/11/17

RECEIVED

API 35-019-26272	PLEASE TYPE OR US			0171.41			CALL COMMISSION				Form 1002
NO. 33-019-20272 NOTE: OTC PROD. 019-219259 Attach copy of original 1002A					Oil & Gas		ION COMMISSION tion Division	OCT O	Rev. 200		
_	if recompletion	or reentry.		Okl	lahoma Ci	ty, Oklaho	70450 0000				
ORIGINAL AMENDED (Reason)	59 I		Rule 165:10-3-25 COMPLETION REPORT			0-3-25 () REPORT	OKLAHOMA CORPORATION COMMISSION			1016	
TYPE OF DRILLING OPERATION 7 STRAIGHT HOLE DIRECTIONAL HOLE HORIZONTAL HOLE					TE 4/2			640 Acres			
SERVICE WELL		HORIZONTAL HOLE		DRLG FIN	NISHED E	14/17					
f directional or horizontal, see			DRLG FINISHED 5/4/17 DATE OF WELL 9/17/17 COMPLETION 9/17/17								
EASE CO.		WP 03S RGE 02W			1000	-					
EASE Spring Creek		WELL 1-18			-	/11/17					
1/4 C 1/4 NV	V 1/4 SE 1/4 1/4 SEC 1	980 1/4 SEC 1980	FEL	RECOMP					1		
Demick		known) 34.29449	To-o	(if known)					T		
	k Production Co., LL	-C	OPE	/OCC RATOR N	_{o.} 2167	72			+		
DDRESS 13929 Quail	Pointe Dr.	-							+		
Olty Oklahoma City		STATE OK			ZIP 7	3134		LOCA	ATE WI	ELL	•
COMPLETION TYPE		CASING & CEMEN	$\overline{}$							T	
SINGLE ZONE MULTIPLE ZONE		TYPE	-	_	WEIGHT	GRADE		PSI	SAX	TOP OF CMT	
Application Date	14.7	CONDUCTOR	+	10"	00"		80'		050	Surface	
Application Date 10/5)11/	SURFACE	9 5	/8"	36#	J-55	680'		250	Surface	
EXCEPTION ORDER NCREASED DENSITY		PRODUCTION	F 4	/0"	474	D 440	OPEN		900	F040'	
ORDER NO.	7	LINER	5 1	12	17#	P-110	9850'		800	5940'	-
MOVED &					NTO	LUG@		тот		9850'	
	ND & TYPE	PLUG @9035'		TYPE 28	POFL	PLUG @ PLUG @	TYPE TYPE	DEP			0001
	TA BY PRODUCING FORMA		BK	120	2MC		02 VIOL, 26	AHNTN 4	041	MRRS	-
ORMATION SPACING & SPACING	Arbuckle (above	McLish		Viola		Hu	nton	Morris	Morr	ris, Hunton, Viola, McLish	GZ .
DRDER NUMBER CLASS: Oil, Gas, Dry, Inj,	160 Ac 568630	160 Ac 56863	30	160 Ac	1551	194 160	Ac 155194	160 Ac 26073	6 160 A	Ac 155194, 260736, 568630	2
p, Comm Disp, Svc Dry		Gas		Gas		Ga	s			as	SCAMMED
PERFORATED INTERVALS	9624' - 9629'	8640' - 8734' O	-	7150' - 7882' O.A.		-	10' - 6912'			63' - 8734' O.A.	四
	9639' - 9644'	See attached scher	natic	See attached schematic		natic 691	18' - 6922'	6571' - 6573'	See	attached schematic	
CIDAOLUME	2000 0 145% N 5							6619' - 6625'	1		
FRACTURE TREATMENT (Fluids/Prop Amounts)	2000 Gal 15% NeFe		-	30,000 Gal 20% NeFe 10,230 BW 200,000# 20/40 sand			0 Gal 20% NeFe	Treated with Hunto	+		
	65 BBL KCI					_	86 BW	-	N//	A	
		200,000# 20/40 \$	and			and 225	,000# 20/40 Sand				
	Min Gas All	lowable (165:	10-17-	7		Gan	Purchaser/Measurer	Targa Pipe	lino	1	linni.
	X OF	2		1			Sales Date	9/14/17	, into	and produced to the same	
WITIAL TEST DATA	Oil Allowab										\
NITIAL TEST DATE	6/21/17	8/14/17		8/14/1	7	_	5/17	Tested with Hunton	-	17/17	
OIL-BBL/DAY	0	N/A	\rightarrow	N/A		N/A			46		
DIL-GRAVITY (API)	N/A	N/A	_	N/A		N/A			42		
SAS-MCF/DAY	N/A	N/A	\rightarrow	N/A		N/A			16		
AS-OIL RATIO CU FT/BBL	N/A	N/A		N/A		N/A		3608.7%			8
VATER-BBL/DAY	85	N/A		N/A		N/A			250		
UMPING OR FLOWING	Swab	Shut-in	-	Shut-in			ut-in		Pumping		
IITIAL SHUT-IN PRESSURE	от со рог	3700 psi		2100 psi		_	00 psi	4		0 psi	
HOKE SIZE	N/A	N/A	-	N/A		N/A			+	164"	
LOW TUBING PRESSURE	N/A	N/A		N/A		N/A	1		N/A	Α	
A record of the formations drill to make this report, which was	led through, and pertinent remar prepared by me brunder my su	rks are presented on the i	reverse	e. I declar	e that I ha	ive knowle	dge of the contents of	f this report and am auth	orized I	by my organization owledge and belief.	mille
Gordin C. 1	Someth	JC Brevetti, Engineering			The State		and and and			286-0361	
SIGNAT		N	AME	(PRINT C)	h	DATE		HONE NUMBER	Mil
13929 Quail Point		klahoma City	Ok		3134	_	prevetti@ch	arteroakprodu		1.com	MI
AUURI	_00	CITY	SIA	ATE	ZIP			EMAIL ADDRESS	0		NX.

EZ