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"I, the undersigned, hereby certify that this map is correct to the lest of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Coregery CITIES SERVICE ON GOMPANY

Aderes LEDBIARD G. HANDLY, CONSOLA

Free LEDBIARD G. HANDLY, CONSOLA

Trace Acres 27275 Losse No. 441-243

Well Form) No. 6-1 Seriel No. 644-16653

Elevation (Spirit Level) 273-25

Charty KANGUHA District L. N.C.

Engineer's Registration No. 6413

Elevation (Spirit Level) State of Consola Consola

STATE OF WEST VIRSINIA DEPARTMENT OF MINES OIL AND GAS DIVISION CHARLESTON

WELL LOCATION MAP

FILE NO. 2/11/1-22/2/2

- + Denotes location of well on United States Topographic Maps, scale 7 to 62,560, letitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border line of original tracing.

Newburg) JUN 15 1969

O SUPPLY CO. Com

-6 Cooper

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LEP Well

Quadrangle Chas. 1



## STATE OF WEST VIRGINIA

OIL AND GAS DIVISION 4

Rotary	Xx
Spudder	Cremin Mushey
Cable Tools	

Storage

Gas

## Permit No. KAN-2410 WELL RECORD

3-22

						IKIND)
Company Cities Service Oil Co		Casing and Tubing	Used in Drilling	Left in Well	T. S. C. C.	
Farm L. C. Hanna Consol.	Acres 277.75	Size				Ref(1) Shired I had all 3 Security 415 he Alexandrous various
Location (waters) Coopers Creek Well No. "E" #1, GW-1653	Elev. 8798	16 133/8"48#	6 <b>2</b> ¹	621	Kind of Paci	(CI
District Elk County I		10 24# /8"	19071	1907	Size of	
The surface of tract is owned in fee by Reba 1335 Hickory Road Address Ch	ıas. W. Va.	65%			Depth set	
Mineral rights are owned by Harry L. P.		4½ 17#	58011	58011		
310 Price St. Address Ch Or further add. contact C.S. C Chilling commenced.		3	rorot		Perf. top	
Orilling completed  Date Shot. From		23 /8" 4. 7#		5850°	Perf. bottom	and published the
Vith					Perf. bottom	
pen Flow /10ths Water in/10ths Merc. in		Attach copy of ce CASING CEMEI			No Es	· .
olume		Amount of cemen				
ock Pressure lbs.		Name of Service COAL WAS EN				
YELL ACIDIZED (DETAILS)not.ac	and the contract of the contra	FEET	INC	CHES	FEDT	INCH
VELL FRACTURED (DETAILS) See r	everse side					meerd
RESULT AFTER TREATMENT (Initial open				g A 6	010000000	
ROCK PRESSURE AFTER TREATMENT	24	HOURS Tub.	2217#; B	H 2233#		a the same reproductive and an artist and artist artist and artist artist and artist artist and artist

Fresh Water 568 Salt Water ..... Producing Sand Newburg Sand Depth 5769-5794' per electric logs Hard or Soft Oil, Gas or Water Formation Color Top Bottom Depth Remarko Shale 70 0 Sand. 70 81 Sand and Shale 81 273 Sand 273 298 Sand and Shale 298 382 Sand 415 382 Shale 5681 678 F. water 415 Sand and Shale 678 980 Sand 980 1366 Lime 1366 1772 Lime and Shale 1772 1785 Sand 1785 1815 Sand and Shale 1815 1905 Shale 1905 2527 Sand and Shale 2527 2587 Shale 2587 4891 Lime 4891 5778 Newburg Sand 5778 57781 5794 Gas McKenzie 5794 5822 Total depth 5822 Drillers meas. 5815' Schlumberger's Meas. Electric Logs showed: Newburg Sand 5769 5794

Formation	Color	Eard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
CASING RE	CORD		CONTRACTOR SECTION SECT	Colonia regional communicación por vivia de 2 da meio (6 de 10 de 20 de	entekti daz artinanyuga kere, ki pagara sanaka bashar ki dadahan pada ki fi fi da 11.00 ki	ercontroller our constitution and set that and set the set of the	are constanting the constant of the constant o
8-30-69		cemented 13 with 4% ca.			at 79' with 1	00 sacks re	gular
9-4-69	and 100	sacks regul	ar cement.	Cement cire	ng at 1905' v sulated to su ahead of cen	rface. Pum	
9 00 9 00 6 9	N-80 ru 300 bbls circulat	n on top of s	tring) with h lost circu the surface	25 sacks co lation mater	new casing ement and 35 rial ahead of ers 5707°, 5	sacks Late cement. G	x. Pumped
9-13-69					Ray Competer T. D. 581		ation Density,
9-30-69	FRACT	WRED THE	NEWBURG S	AND			a Province of Confidence of Co
	26,000# 4100#	20-40 sand	in 24,000 g	allons gelle	d water. Ma	kimum trea	ollowed with ting pressure 0 bbls. total
10-2-69			217#, annul	as 2233#. E	C.O.F. 60,0	00 MCFD.	
			1				.i. I
		######################################		Antigent of Entless (1970)	The state of the s		e disservations Section of the second second Section of
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	interpretation of the control of the		(2.1) (2.1) (1.1)		On the state of th		
			7090 1882 H 1988 H 1998 H 2818				to Book bene dina ath that been state artic
*Incidental transport conservations are an analysis and a second property and a second p					Office of the state of the stat		

Date October 22 , 19 69

APPROVED Cities Service Oil Company

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Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

Rotary	
Spudder	
Cable Tools	
Storage	

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WELL RECORD

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						1/ -	,	k.
		Oii	Off	Gas	Well	$\epsilon G$	as,	)
		-	-			-	(KI	NO

Permit No. KAN-2410 AMENI	DED		Oil or (	Gas Well ( Jas	ND)
Company Cities Service Oil Company Address Box 873, Charleston, W. Va. 25323	Casing and Tubing	Used in Drilling	Left in Well	Packers	
Farm. L. C. Hanna Consol. Acre277. 75  Location (waters) Coopers Creek	Size			Kind of Packer	To the second
Well No. "E" #1 GW=1653 Elev. 8791	133/8"48#	621	621	none	
District EIk County Kanawha  The surface of tract is owned in fee by Reba H. Mechinsky, et	10 a 1 8 ½ 2 4 #				
1335 Hickory Road Address Chas. W. Va.  Mineral rights are owned by Harry L. Paxton, et al	6% 5-1/21117#			Depth set	
910 Price St. Address Chas. W. Va.  (for further add. contact C.S.O.Co)8-30-69	3				
Drilling completed         9-12-69           Date Shot. not shot. From.         To		5850 <sup>1</sup>	58501	Perf. bottom	
With	1	9	i .	Perf. bottom	
Open Flow         /10ths Water in	Attach copy of c	ementing recor	d.	No. Ft.	BROW SEED-ON CONTRACTOR AND ADVISOR CONTRACTOR
Volume Cu. Ft.  Rock Pressure lbs hrs.				đe	شد
Oilbbls., 1st 24 hrs.  WELL ACIDIZED (DETAILS)not acidized				FEET	
<u> </u>	FEE	TIN	CHES	FEET	INCHES
		1.			
RESULT AFTER TREATMENT (Initial open Flow or bbls. 168, 0					
ROCK PRESSURE AFTER TREATMENT			9**	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM	
Fresh Water 5681 Feet	Salt Water		Feet.	医骶骨后侧韧带 医克尔氏试验检 医阿特特氏试验检检检检检检检检检检检检检检检检检检检检检检检检检检检检检检检检检检检	the state of the s

Fresh Water	8. Newburg S	Depth 5769-	epth 5769-57941 per electric logs				
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depús	
Shale			0	70			OF THE PARTY OF TH
Sand		og a lander of the state of the	70	81	5769	5769	
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Sand			273	298	4890		The state of the s
Sand and Sha	ıIe	-	298	382			And the state of t
Sand	-	•	382	415			-
Shale			415	678	F. water	5681	THE
Sand and Sha	Ie		678	980		10	BILLIFE
Sand			980	1366		(2)	Nov 1969 67 18 19 20 1969 Of Mines
Lime			1366	1772 -40	16	123 K	Work The Table
Lime and Sh	ale	The contract of the contract o	1772	1785 - /		B R	NOV 1969
Sand			1785	1815- 🤊	O	12 1	1487VA 3
Sand and Sha	le	The Aller of the Control of the Cont	1815	1905		JE Oco	of Mines
Shale			1905	2527		1	of Mines
Sand and Sha	ile		2527	2587		100	1
Shale		Account of the Control of the Contro	2587	4891		1	K8535777
Lime			4891	5778		1	
Newburg Sar	la	-	5778	5794	Gas	57781	est. 25,000Mci
Lime Ha		de la constanta de la constant	5794	5822		-	
110	PENZIE	-				reading and the second	-
Total depth=	en e			58221 Da	illers meas	=	
a coa deput				Applications April 40 Copyright Copyright Copyright Copyright	hlum berger¹		MANUAL SECTION OF SECT
Electric log	c chouled.	en andersele	JANE TO THE STATE OF THE STATE	3023 00			
Newburg Sai		A STARRESS	5769	5794	25		ay some second s
			Communication (A		To compare the com	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	**************************************

Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
CASING RE	GORD	Statement being assigned has produced assigned to the state of the sta			The state of the s	en e	
-30-69	Set and cement	cemented 13 with 4% ca.	-3/8" 48# H	-40 casing a	t 79° with 1	00 sacks re	gular
-4-69	and 100	sacks regul	ar cement.	Cement circ	ng at 1905° v ulated to su head of cen	vith 222 sacl rface. Pumj	s Pozmix ped 50
			Harris I was		1 4 314 17 20100	at 5740° (2,	0941 of
-9-69	N-80 ru	n on top of s	tring) with	125 sacks c lation mater	ement and 3! rial ahead of	sacks Late cement. Go	x. Pumped od
		ion of gel to		Centralize		6091, 55141,	
-13-69	Ran Sch	Iumberger I	Dual Induction	on, Gamma	Ray, Compe	nsated Form T. D. 5815	ation
<b>)-30-</b> 69		URED THE					
	26,000# 4100#.	20-40 sand	in 24,000 g	allons gelle	d water. Ma	ximum treat	ollowed with ing pressure bbls. total
10-2-69	24 hour	\$IP tubing	Z217#, annu	lus 2233#, E	O.F. 60,0	0 MCFD	
					Andrew Stand		
10-28-69	flow at	the face of t	oint open flo	test. Wel	ll calculated in pressure	168,000 MC - tubing 22	FD open 32#,
	annulus	2235#.					
		L			MEAN PROCESS OF THE P		
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							SCHOOL SEE SEE
					Spatial Control	Access to the state of the stat	
Children and the residence are respectively and the state of the state				national and the second and the seco	Date Nov	ember 11	19.69
	•			APPROVED_			pany , Owner
					L. D. Tode	l. Region Ma	nager

		Date	Novem				, 1069
APPROV	ED	Cities	Service	Oil	Compa	any	, Owne
	Ву	L. D.	Todd, R	egio O	n Mana	ager	contributed in the contribute of the second of the contribute of t

## STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVSION OF OIL AND GAS

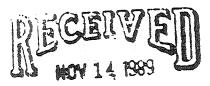
## AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name:	KANAWHA VA	LLEY OIL CO	Operator	r Well No	.:HANNA	E1-GW1653
LOCATION:	District: Latitude:	873.95 Q ELK 7100 Feet 5410 Feet	South of 38	County: Ki Dea. 30	ANAWHA	Sec. Sec.
Well Type:	OIL	GAS X				
	Y USA INC. O. BOX 873 HARLESTON, WV		Coal ( or Owr	Operator <u>l</u> ner	Not Applic	able
Agent: DE Inspector: Permit Issue	CADLOC TILLIAM V	9	or Own	1	DEC.	2:08
CONTR OF ME	א דוא די מרדוז מוי	A	FFIDAVIT		<b>6</b>	-
STATE OF WES	ANAWHA	_ ss:		•	DEPARTME	OF OIL & GAS NT OF LINERGY
in the work  OXY USA work of plu	of pluggir INC. Igging and D day o	filling the	depose and g ng oil and g , well oper above well,, 19_89, r:	say that as wells ator, and	they are and were larger than the well	being e experienced e employed by ipated in the was commenced was plugged
·						
60 sks Latex	Cement	5570'	4895'	5570° of	2-3/8"	196' ((SEE BACK)
Baker 5-1/2"	Model T CIBP		4894	3,000		1 20 (SILL DACK)
6% Gel		4894	4085	4000 of	5-1/2"	1740'
45 sks Class	"A" Cement	4085 °	3885	1		1730
6% Gel		3885	1995'			
60 sks Class		1995'	1795'			
	Model N-1 CTBP		<u> 1795'</u>			
6% Gel		1795'	150'			
47 sks Class	"A" Cement _	150'	0'			
Descrip	tion of mon	ument: 8-5/8"	CASING, 5 FT I	I HIGH WITH O	XY USA IN	C., HANNA E-1.
	t the work	of pluggir	3, API NO. 4/ ng and filli	39-02410-P	ON NAME P	LATE completed on
And furthur	deponents s	aith not.		unaly Co	Tool	
Sworn and su	bscribe bef	ore me this	g day	Tichen Of NM	ember	1/ Fch )
My commissio	m exbires:	JUN21,1199		Tonued	Sola	7 NOV 2 0 1989
					ary Publ	

039 2410

MR. JAMIE STEVENS VERBALLY APPROVED CUTTING OFF STUCK TUBING AT 10:30 A.M. NOVEMBER 3, 1989. PULLED 25,000 LBS OVER TUBING STRING WEIGHT. COULD NOT PUMP DOWN TUBING OR CASING AT 1000 PSIG.



DIVISION OF OIL & GAS DEPARTMENT OF LIVERGY