

WWO) 3-6 3 -0 MT. ALTO DEC 13 1976

REVISED WELL RECORD



STATE OF WEST LINES CIVISION OIL & GAS DIVISION DEPARTMENT PETMINES EFT. OF MINES

Oil and Gas Division

	WELL	RECORD 3		Rotary_XX	6. /	
Outdoord Payongroad				Cable		
Quadrangle Ravenswood				Recycling_		
Permit No. JAC 1382				water rioc	od Storage	
		er en		Disposal	(Kind)	
Company Kaiser Exploration 8	Mining Co.	Cooling and	Used in	Left	Company 631	
Addres Box 98, Ravenswood, WV	· · · · · · · · · · · · · · · · · · ·	Casing and	i		Cement fill up	
Farm Fred Bush	Acres118	Tubing	Drilling	in Well	Cu. ft. (Sks.)	
Location (waters) Log Lick Run of		Size				
Well No.DEK #7	Elev. 774	20-16				
District Union County	Jackson	Cond.				
The surface of tract is owned in fee by	/	13-10"	ļ			
L.A. Westhaver		9 5/8	248	248	100 Sax	
Address 13001 Old Stagecoach	Rd.,Laurel,N	1D. 85/8				
Mineral rights are owned by As above Bush	ze and Gary	7	2333	2333	75 Sax	
Bush Address		5 1/2				
Drilling Commenced November 20,	1976	4 1/2	6150	6150	210 Sax	
Drilling Completed December 1	1976	3				
Initial open flow Show cu. for	i bbls.	2				
Final production 200 Mcu. ft per		Liners Used				
Well openhrs. before						
Well treatment details:	6 % W & service and participation of the service of	Attach copy of	cementing red	ord		
	Odla and tale 10 a	• •	_		a 30000H3	
Perf. 6099½-6100½ & 6103½-61 No gas after treatment.	104% WITH 10 S	BROUS. Frac Wil	<u>cu 332 doi</u>	s water	& 18000# Sang.	
Perf. 5970½-5972½ with 16 s	shots Frac v	with 900 hol was	ter & 30 (000 ±000	Shut in present	ro
= 1975 psi. Open flow -					g at 4660'. Perf	
Oriskany 4604-06 & 4610-12 Marcellus 4325-4481, Marce gravel on top. Shot with j Fresh water Producing Sand Brown Shale	llus tested no udymite 3800'	on commercial - to 4020' in 4½ Salt'	set bridge "casing. Water	e plug 0	4070' with 50'	
Formation Color Hard or Sc	oft Top Fee	Bottom Feet	Oil, Gas	or Water	* Remarks	
Sand and Shales	0	254			der gewege gewigg geginn de nach der der gewand der der jud 3 medie verspank er magner von Fermand der gemande.	
Red Shales '	254	323				
Red Rock	323	429	0000 -			
Sand	429	450	and the second			
Red Rock	450	597	T			
Shale	597	650	-			
Sand	650	668				
Red Rock	668	719				
Shale Red Rock	719	778				
Shale	778	811 845				
Red Rock	845	862				
Sand	862	886	-			
Red Rock	886	900				
Shale	900	963				
Red Rock	963	1014	fillional			
Shale	1014	1083	and the second s			
Salt Sand	1083	1170				
Shale	1170	1207				
Sand	1207	1233				
Shale	1233	1260	1			

(over)

1290

1348

1373

1260

1290

1348

Sand

Shale

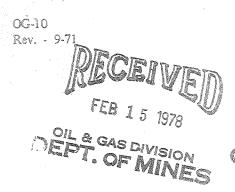
Sand

^{*} Indicates Electric Log tops in the remarks section.

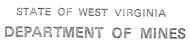
Formation Color Hard or Soft	Top Feet /~	Bottom Feet	Oil, Gas or Water * Remarks
Broken Sand Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Maxon Big Lime Shale Injun Sand Shale Coffee Shale Berea Sand Shale Brown Shale Brown Shale Shale Marcellus Shale Onondaga L.S. Oriskany Sand Helderberg L.S. Silurian Salina Series Newburg Sand Zone Lockport Dolomite Rochester Shale Packer Shell Clinton Iron Ore Clinton Sands Clinton Sands	Top Feet 1373 1400 1428 1448 1523 1547 1559 1575 1582 1660 1746 1828 1852 1992 2301 2322 2325 3484 3954 4369 4513 4592 4625 4748 5296 5305 5603 5837 5856 5969 6011 6093	1400 1428 1448 1523 1547 1559 1575 1582 1660 1746 1828 1852 1992 2301 2322 2325 3484 3954 4369 4513 4592 4625 4748 5296 5305 5603 5837 5856 5945 5975 6029 6104	Oil, Gas or Water * Remarks A second
Ordovician Queenstone Shales Log Total Depth	6104	6278 6278	
Verse With the set of a grey 120	and property	nergy option and the second	
			April 25 Texts A Policies A Policies A Policies Definition
	1		
			Silverior Silver

Date February 14,	19 78
APPROVED Kolik a Pance	_ Owner
7.4F	in diffe
By Staff Petroleum Geo	logist

(Title)









OIL & GAS DIVISION DEFT. OF MINES

Oil and Gas Division WELL RECORD

Rotary XXX	Oil
Cable	Gas
Recycling	Comb
Water Flood	Storage
Disposal	(Dry)
*	-tKind

Quadrangle <u>Kavenswood</u> Permit No. <u>JAC 138</u> 2 - ₩				Recycling Water Flood Disposal	Comb. Storage (Kind)
Company Kaiser Exploration & Mi Address Box 98, Ravenswood, W. Farm Fred Bush A	Va.	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Log Lick Run of M Well No. DEK #7 El District Union County Ja The surface of tract is owned in fee by	bill Creek ev. 774 ckson	Size 20-16 Cond. 13-10"			
L. A. Westhaver Address 13001 01d Stagecoach Rd		9 5/8 8 5/8	248	248	100 sax
Mineral rights are owned by <u>As_above &</u> Address	Gary Md. Bush	7 5 1/2	2333	2333	75 sax
Drilling Commenced November 20, 197 Drilling Completed December 1, 1976		4 1/2	6150	6150	210 sax
Initial open flow <u>Show</u> cu. ft Final productioncu. ft. per day Well openhrs. before test	bbls.	Liners Used			
Well treatment details: Perf. 6099½-6100½ & 6103½-6104½		Attach copy of ts. Frac wi	cementing reco	ord. S Water &	18000# sand.
Perf. 60245-60255 & 60275-60285 Perf. 59705-59725 with 16 shots = 1975 psi. Open flow - small. 4604-06 & 4610-12 w/16-faulty of the control of the contro	. Frac with 10 MCF/Da ct.Plug back Feet	900 DD1 Wat y SIP=1975 P: to 4560 per:	er & 30,00 SI. Set Br f marcellu Inche Water Hole	0# sand. idge @ 46 s 4325-44 s wet at -	Shut in pressure 60', Perf. Oriskan 81(non commercial) : Feet 5490
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water *	Remarks
Base of Pennsylvanian Big Lime Injun Sand Coffee Shale Berea Sand Brown Shale Marcellus Shale Onondaga L. S. Oriskany Sand Helderberg L. S. Silurian Salina Series Newburg Sand Zone Lockport Dolomite Rochester Shale Packer Shell Clinton Iron Ore Clinton Sands	1746 1852 2301 2322 3484 4369 4513 4604 4625 4748 5296 5305 5603 5837 5943 5969 6011 6093 6104	1746 1828 1992 2322 2325 3954 4513 4604 4625 4748 5296 5305 5603 5837 5856 5945 5945 5975 6029 6104 6278	nit Wil	rogen = 74 1 treat Or	riskany & Brown Shale.
Log Total Depth	6278	6278		lul a	P

(over)

Robert A.

Kaiser Exploration & Mining Co.

^{*} Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

RECEIVED OCT 1 2 1977

OIL & GAS DIVISION DEFT. OF MINES

Water Flood__ Storage__

Oil

Comb.

GaXXX show

Rotary XXX

Cable____ Recycling_

Oil and Gas Division

Acres 118

__ Elev._**774**__

WELL RECORD

Quadrangle Ravenswood

Well No DEK #7

Company Kaiser Exploration & Mining Co.

Location (waters) Log Lick Run of Mill Creek

Address 13001 Old Stagecoach Rd., Laurel, MD.
Mineral rights are owned by As above and Gary
BUSh

Initial open flow Show cu. ft. ____ bbls.

Final production _____cu. ft. per day _____bbls.

___hrs. before test_____RP.

District Union County Jackson

Drilling Commenced November 20, 1976

Drilling Completed December 1, 1976

AddressBox 98, Ravenswood, WV

The surface of tract is owned in fee by_L.A. Westhaver

_ Address_

Permit No.JAC 1382

Farm Fred Bush

Well open _____

Well treatment details:

		Disposal	(Kind)
Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16 Cond. 13-10"			
9 5/8 8 5/8	248	248	100 Sax
7 5 1/2	2333	2333	75 Sax
4 1/2	6150	6150	210 Sax
2 Liners Used			

Attach copy of cementing record.

Perf. $6099\frac{1}{2}-6100\frac{1}{2}$ & $6103\frac{1}{2}-6104\frac{1}{2}$ with 16 shots. Frac with 535 bbls water & 18000# sand. No gas after treatment.

Perf. 5970½-5972½ with 16 shots. Frac with 900 bbl water & 30,000# sand. Shut in pressure = 1975 psi. Open flow - small.

Coal was encountered at ______ Feet _____ Inches

Fresh water _____ Feet _____ Salt Water ___ Hole wet at Feet 5490 _____

Producing Sand ______ Depth _____

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Sand and Shales	0	254	
Red Shales '	254	323	
Red Rock	323	429	
Sand	429	450	
Red Rock	450	597	
Shale	597	650	
Sand	650	668	
Red Rock	668	719	
Shale	719	778	
Red Rock	778	811	
Shale	811	845	
Red Rock	845	862	
Sand	862	886	
Red Rock	886	900	
Shale	900	963	
Red Rock	963	1014	
Shale	1014	1083	
Salt Sand	1083	1170	
Shale	1170	1207	
Sand	1207	1233	
Shale	1233	1260	
Sand	1260	1290	The state of the s
Shale	1290	1348	
Sand	1348	1373	

(over)

^{*} Indicates Electric Log tops in the remarks section.

Formation Color Hard or Soft	Top Feet/2	Bottom Feet	Oil, Gas or Water	* Remarks
Broken Sand	1373	1400		
Sand	1400	1428	Mercon di Cinedia	
Shale	1428	1448		
Sand	1448	1523		
Shale	1523	1547		
Cand	1547	1559		
70-70	1559	1575		
Sand	1575	1582		
hale we have a second as a second second	1582	1660		
Maxon and a second seco	1660	1746	ezaduati katudatizati	
Big Lime	1746	1828		
Shale	1828	1852		
njun Sand	1852	1992		
Shale	1992	2301	Teday Krandove an	
Coffee Shale	2301	2322	į.	
Berea Sand	2322	2325	San Biskin (1991)	
Shale	2325	3484	15 4 9	
Brown Shale	3484	3954		
Shale	3954 4369	4369 4513	Page 2008 Care 1878 Co.	
Marcellus Shale	4369 4513	4592	fra data da esta e	
Onondaga L.S.	4513 4592	4625		
Oriskany Sand Helderberg L.S.	4625	4748		
Silurian Salina Series	4748	5296		
Newburg Sand Zone	5296	5305	1 100 100 2	Jones Staff, Marie
Lockport Dolomite	5305	5603	4012 7	592 5296 224 274 888 4522
Rochester Shale	5603	5837	a securiorista materiaria	Commence 774
Packer Shell	5837	5856	and the state of the same	²⁰¹⁰ 4522
Clinton Iron Ore	5856	5945		
Clinton Sands	5969	5975	5969	6109
Clinton Sands	6011	6029	The state of the s	the second secon
Clinton Sands	6093	6104	5/95	5330
Ordovician Queenstone Shales	6104	6278		
Log Total Depth JUNIATA		6278		
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6278 TO Haven 3954 ban Haven 2324 expl. fl.				
6278 TO Warren	1.34	naryty		
2054 base of	1.300	- A.		
312	25 PM 4	A Section 1		
-3324 Exp.			A	
	4 Control of the Cont	1	•	
			1	

Date October 10 . 19 77 By Staff Petroleum Geologist (Title) APPROVED





OFF. OF WINES

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Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

or drilling This formit shall expire if Toperations have not commerced by 3-18-77 A	Farm Location (Well No District Quadrangie INSPECTOR O BE NOTIF ADDRESS PHONE 354 e above named dated May 3 Orp. and re Page 2 REDI D BEFORE JU	Kaiser Box 98 Fred F waters) L DER Uni Ray FIED F GEORGE OF S GEOR	Log Lick Ru K #7 ion venswood 15 Richard Mo Grantsvill tract of land fo	on & Minin ood, W. Va. Acres 11 In of Mill Elevation County o', Cottage or oil and gas, by Fred K day of	8 Creek 774 Gr. Jackson ville 7½ having fee Bush, June
ineral Owner Lawrence Westhaver & Gary Bush didress 13001 Old Stagecoach Rd., Laurel, Modress 13001 Old Stagecoach Rd., Laurel, Modress 13001 Old Stagecoach Rd., Laurel, Modress 13001 Owner Same as above old Owner Ow	Address Farm Location (Well No District Quadrangie CNSPECTOR CO BE NOTIF ADDRESS PHONE 354 e above named dated May 3 Orp. and re Page REDI D BEFORE JU	Box 98 Fred E Waters) L DEN Uni Ray TIED E	8, Ravenswo Bush Log Lick Ru K #7 ion venswood 15 Richard Mo Grantsvill tract of land fo	Acres 11 In of Mill Elevation— County— o', Cottage or oil and gas, by Fred K day of	8 Creek 774 Gr Jackson ville 7 having fee Bush, June
ineral Owner Lawrence Westhaver & Gary Bush ineral Owner 13001 01d Stagecoach Rd., Laurel, Moderess 13001 01d Stagecoach Rd., Laurel, Moderess and Owner 15dress and Operator Not operated 15dress and Operator being in accordance with Chapter 22 and the W. Va. Code, the location is hereby approved 15dress and 15d	Address Farm Location (Well No District Quadrangie CNSPECTOR CO BE NOTIF ADDRESS PHONE 354 e above named dated May 3 Orp. and re Page REDI D BEFORE JU	Fred F waters) L DEN Uni Rav TED F -7259 I farm or the seconded or the seconde	Bush Log Lick Ru K #7 ion venswood 15 Richard Mo Grantsvill tract of land fo	Acresll in of MillElevationCounty	8 Creek 774 Gr. Jackson eville 7 having fee Bush, June
Same as above Same as above Same as above	Location (Well No District Quadrangle UNSPECTOR O BE NOTIF ADDRESS PHONE 354 e above named dated May 3 orp. and re Page 2 REDI D BEFORE JU	waters) L DEN Uni Ray TIED F	Log Lick Ru K #7 ion venswood 15 Richard Mo Grantsvill tract of land fo	Elevation—County	Creek 774 Gr. Jackson ville 7 having fee Bush, June
Same as above dress al Operator Not operated dress HIS PERMIT MUST BE POSTED AT THE WELL SITE Il provisions being in accordance with Chapter 22, fithe W. Va. Code, the location is hereby approved or drilling . This cermit shall expire if The cerations have not commerced by 3=18-77 Deputy Director - Oil & Gas Division NTLEMEN: The undersigned well operator is entitled to drill upon the entereto, (or as the case may be) under grant or lease of the made to Commonwealth Gas	Well No District	DEKUNIA RAV	K #7 ion venswood 15 Richard Mo Grantsvill tract of land fo	Elevation—County	774 Gr. Jackson ville 7 having fee Bush, June
al Owner— Idress— Idress I	Well No District	DEKUNIA RAV	K #7 ion venswood 15 Richard Mo Grantsvill tract of land fo	Elevation—County	774 Gr. Jackson ville 7 having fee Bush, June
Idress HIS PERMIT MUST BE POSTED AT THE WELL SITE If the W. Va. Code, the location is hereby approved in the W. Va. Code, the W. Va. Code, the location is hereby approved in the W. Va. Code, th	District Quadrangie INSPECTOR O BE NOTIF ADDRESS PHONE 354 e above named dated May 3 Orp. and re Page 2 REDI D BEFORE JU	Uni Rav PIED I	Richard Mo Grantsvill tract of land fo	County 5', Cottage orris e, W. Va. or oil and gas, by Fred K day of	Jackson eville 7
HIS PERMIT MUST BE POSTED AT THE WELL SITE If provisions being in accordance with Chapter 22, If the W. Va. Code, the location is hereby approved in the W. Va. Code, the W. Va.	Quadrangie CNSPECTOR CO BE NOTIF ADDRESS PHONE 354 e above named dated May 3 Orp. and r Page 2 REDI D BEFORE JU	TED	Richard Mo Grantsvill tract of land for 19.71 on the _llth_	orris Le, W. Va. or oil and gas, by Fred K day of	having fee Bush, June
HIS PERMIT MUST BE POSTED AT THE WELL SITE If provisions being in accordance with Chapter 22, If the W. Va. Code, the location is hereby approved in the W. Va. Code, the W. Va.	ENSPECTOR TO BE NOTIF ADDRESS PHONE 354 e above named dated May 3 orp. and re Page 2 REDI D BEFORE JU	TED	Richard Mo Grantsvill tract of land for 19.71 on the _llth_	orris Le. W. Va. or oil and gas, by Fred K day of	having fee Bush, June
HIS PERMIT MUST BE POSTED AT THE WELL SITE all provisions being in accordance with Chapter 22, f the W. Va. Code, the location is hereby approved or drilling This termit shall expire if perations have no commerced by 3=18=77 Deputy Director - Oil & Gas Division ENTLEMEN: The undersigned well operator is entitled to drill upon the e thereto, (or as the case may be) under grant or lease of Commonwealth Gas C	PHONE 354 e above named dated May 30rp. and repage 200 BEFORE JU	farm or the seconded or the se	tract of land fo	or oil and gas, by Fred K	having fee . Bush, June
f the W. Va. Code, the location is hereby approved in the W. Va. Code, the W. Va. C	PHONE 354 e above named dated May 30rp. and repage 200 BEFORE JU	farm or the seconded or the se	tract of land fo	or oil and gas, by Fred K	having fee . Bush, June
Deputy Director - Oil & Gas Division ENTLEMEN: The undersigned well operator is entitled to drill upon the ethereto, (or as the case may be) under grant or lease of Commonwealth Gas Commonwea	PHONE 354 e above named dated May 30rp. and repage 200 BEFORE JU	farm or the seconded or the se	tract of land fo	or oil and gas, by Fred K	having fee Bush, June
Deputy Director - Oil & Gas Division INTLEMEN: The undersigned well operator is entitled to drill upon the ethereto, (or as the case may be) under grant or lease of Commonwealth Gas Commonwea	PHONE 354 e above named dated May 3 orp. and repage 2 REDIO BEFORE JU	farm or the seconded or the se	tract of land fo	or oil and gas, by Fred K	having fee . Bush, June
Deputy Director - Oil & Gas Division NTLEMEN: The undersigned well operator is entitled to drill upon the thereto, (or as the case may be) under grant or lease of Commonwealth Gas Commonwealt	PHONE 354 e above named dated May 3 orp. and repage 2 REDIO BEFORE JU	1 farm or 13 ecorded or 223	tract of land fo 1971 on the 11th	or oil and gas, by <u>Fred K</u> day of _	having fee Bush, June
The undersigned well operator is entitled to drill upon the e thereto, (or as the case may be) under grant or lease of the made to Commonwealth Gas Commonwealt	e above named dated May S Drp. and re Page 2 REDI D BEFORE JU	I farm or to 3 ecorded or 223 RILL	tract of land fo 19_7l on thellth	_ by <u>Fred K</u> day of _	having fee Bush, June
The undersigned well operator is entitled to drill upon the e thereto, (or as the case may be) under grant or lease of Commonwealth Gas Common	dated May 3 Drp. and ro Page 2 REDI D BEFORE JU	ecorded or 223	19_71 on the11th	_ by <u>Fred K</u> day of _	Bush, June
The undersigned well operator is entitled to drill upon the thereto, (or as the case may be) under grant or lease of Commonwealth Gas Commonwe	dated May 3 Drp. and ro Page 2 REDI D BEFORE JU	ecorded or 223	19_71 on the11th	_ by <u>Fred K</u> day of _	Bush, June
made to Commonwealth Gas Commonwealth Ga	dated May 3 Drp. and ro Page 2 REDI D BEFORE JU	ecorded or 223	19_71 on the11th	_ by <u>Fred K</u> day of _	Bush, June
The enclosed plat was prepared by a registered engineer of the above date. The above named coal owners and/or operator are hereby			969.		
The above named coal owners and/or operator are hereby	or licensed lan			owners and/or	operators
make by becalour a or the code, must be received by, or i	notified that	any objecti	tion they wish t	to make, or are	e required
Copies of this notice and the enclosed plat were mailed by coal owners at their above shown respective address	-	day	У	before, o	
ne day with the mailing or delivery of this copy to the De	partment of M	lines at Ch	harleston, West	Virginia.	
	Very truly yo	urs, Ka	aiser Explo	ration & M	ining Co
EASE SUBMIT COPIES OF ALL OPHYSICAL LOGS DIRECTLY TO:	(Sign Name)_	Wand	ald H	Fand	
OTHIDION HOGS DIVECTET IA:		H. Love	el Well Reside	nt Enginee	r
ST VIRGINIA GEOLOGICAL AND	******	30x 98	*		·
ONOMIC SURVEY Addre	SS		Street		
O. BOX 879 RGANTOWN, WEST VIRGINIA 26505 Well Oper	rator	Ravenswo	ood		
-304 - 292-6331		C	City or Town		
	<u> </u>	lest Vir	rginia		
			State		
*SECTION 3 If no objections are filed or found by the lice and plat by the department of mines, to said proposed location, filing of such plat, that no objections have been made by the coal of	the department	shall forthw	with issue to the w	vell operator a per	rmit reciting
the well operator authorized to proceed.				*	

47-035

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	XXX DRILL	DEEPEN FR	ACTURE-STIMULATE		
DRILLING CONTRACTOR: (If Known) NAME FWA Drilling Company ADDRESS Box 448, Elkview, W. Va. TELEPHONE 965-3379 ESTIMATED DEPTH OF COMPLETED WELL: 6250		RESPONSIBLE AGENT:			
		NAME Bill W. Ba	ckus		
		JUN 1.00	, Charleston, W. Va. 3171		
		ROTARY XXX	CABLE TOOLS		
PROPOSED GEOLOGICAL FORM	MATION: Clinton				
TYPE OF WELL: OIL_	GAS XXX	COMB STORAGE	DISPOSAL		
			DDOTHER		
TENTATIVE CASING PROGRAM	Atomic Communication of the Co				
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16					
13 - 10	250	0.50			
9 - 5/8 8 - 5/8	250	250	100 Sax		
7	2350	2250			
5 ½	2330	2350	75 Sax		
4 ½	6250	6250	150 Sax		
3			Perf. Top		
2			Perf. Bottom		
Liners			Perf. Top Perf. Bottom		
			1 Cit. Bottom		
OF PLAT. TO DRILL DEEPER OR REDRIL SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTE TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WILL OF ING ORIGINAL PERMIT NU	LL: OF OG - 1, SHOWING ORIGINATED APERMANENT OF THE PROPERTY O	GINAL PERMIT NUMBER AND COPY OF THE PLAT AND TO ORE JUNE 5, 1929, FIVE (5) C ECORD. AND/OR AFTER JUNE 5, 1929 E BOND.	HE ORIGINAL WELL RECORD OPIES OG - 1, PERFORMANCE		
Tour (D4) hours in auvance.					
The following waiver must thereof.	be completed by the coal or	perator if the permit is to be is	sued within ten days of receipt		
WAIVER: I the undersigned, Age this lease have examin		Coal Company, Owner maps this proposed well location			
			ll being drilled at this location, , Chapter 22 of the West Virginia		
2		For	r Coal Company		

Official Title

RECEIVED
Division of Energy

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

JAN 0 9 91

Sworn and subscribe before me this

My commission expires:

Formitting 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: WESTHAVER, LAWRENCE A. Operator Well No.:BUSH DEK-7 LOCATION: Elevation: 774.00 Quadrangle: COTTAGEVILLE District: UNION County: JACKSON
Latitude: 7080 Feet South of 38 Deg. 52 Min. 30 Sec.
Longitude 10200 Feet West of 81 Deg. 45 Min. 0 Sec. Well Type: OIL ____ GAS ____ Company: Durst Oil and Gas Coal Operator_____or Owner R+ 2 Box 538 Pt. Pleasant, WV Agent: Konald W. Durst JR Coal Operator Inspector: Jerry Tephabock
Permit Issued: 05/23/89 Inspector: or Owner AFFIDAVIT STATE OF WEST VIRGINIA,
County of Jackson ss: Ronald W. Durst JR and being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by work of plugging and filling the above well, that said work was commenced on the 24 th day of May, 1990, and that the well was plugged and filled in the following manner: TYPE FROM TO PIPE REMOVED Class A Cont 1600' 1300 1600' 41/2" 9550 783 7" Class A cout 900' 800' Class A Cont 300' 200' 248 Class A Cont 501 Description of monument: 7" Csq w/API # and that the work of plugging and filling said well was completed on the 4th day of June, 1990. And furthur deponents saith not.

Notary Public