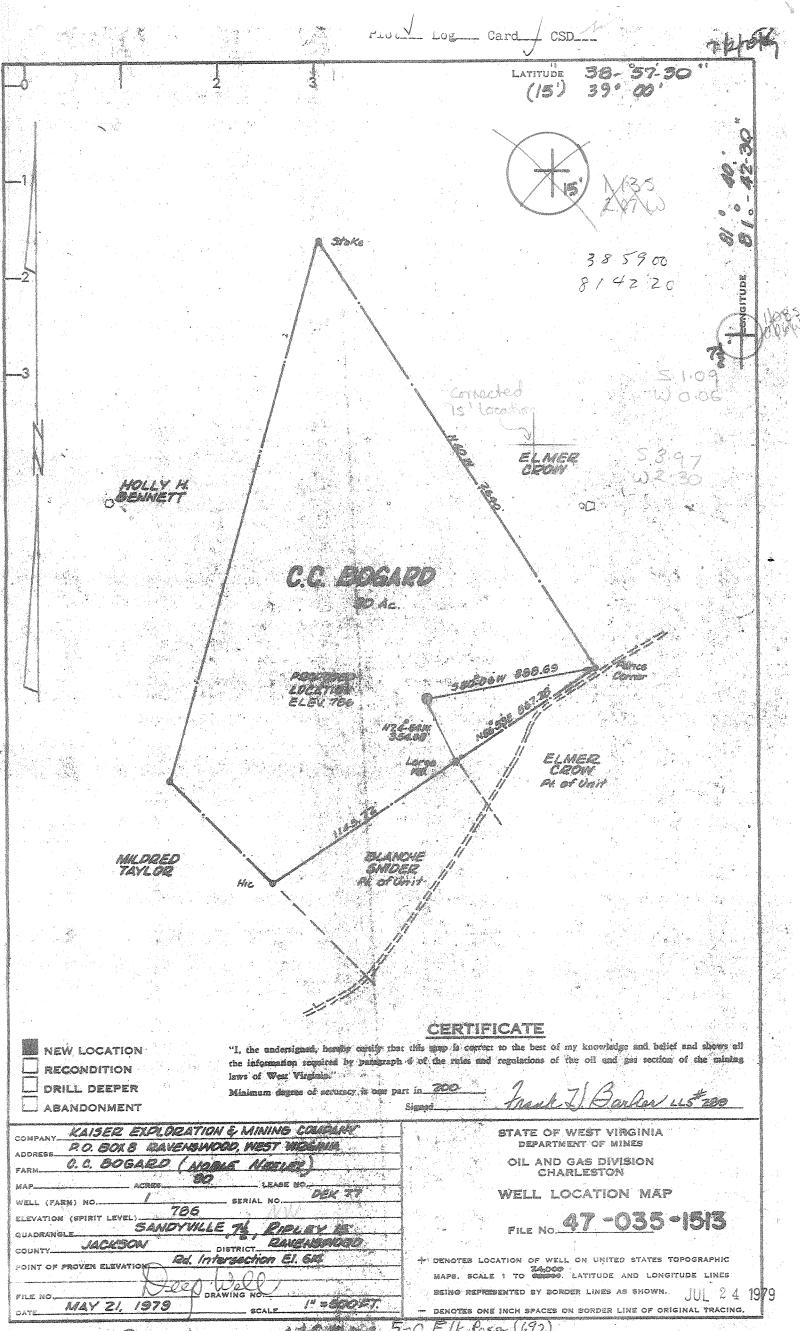


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STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION DEPT. OF MINES

FEB 2 0 1980

Oil and Gas Division

WELL RECORD=3

Quadrangle Sandyville
Permit No. 47-035-1513

Coal was encountered at ___

Fresh water_

None

Feet_

lotary_XX	Oil
able	Gas_XX
lecycling	Comb.
ater Flood	Storage
Pisposal	(Kind)

			Disposal	(Kind)
Company KAISER EXPL. & MINING CO. Address PO Box 8, Ravenswood, WV Farm C. C. Bogard Acres 90	Casing and Tubing	Used in Drilling	1	Cement fill up Cu. ft. (Sks.)
Farm C. C. Bogard Acres 90 Location (waters) Straight Fork Well No. DEK 77 Elev 786 District Ravenswood County Jackson	Size 20-16 Cond.			
The surface of tract is owned in fee by	13-10" 10 3/4 9 5/8	255	255	125 sax=to srf
Address Silverton, W. Va. Mineral rights are owned by Frank Abels Address 1113 Ann St., Ravenswood, W.	8 5/8 7 IV 5 1/2	2343	2343	 165 sax=825'
Drilling Commenced July 7, 1979 Drilling Completed July 15, 1979	4 1/2	anning gan kantungan was it ang pinga athurana jeuwan shirira mil a sak	4758	225 sax=2400
Initial open flow 2 MCFD &XXXt. bbls. Final production 20 M cu. ft. per day bbls.	2 Liners Used		3976	
Well open 10 hrs. before test 525 RP. Well treatment details: Perforated Oriskany at 4714' - 4716' w/10 3700# back down 16 BPM at 4600 psig w/15 935 bb1; avg. rate 16 BPM (no results). Shale from 3845' to 3983' w/16 holes. From 520/40 sand. 326 total fluid; 576,000 Seconds.	.000# 80/100 & Set plug at 40 actured with l	t. Fract 30,000 2 50', perf 5,000# 80	ured Oris 0/40 sand orated th /100 sand	i, total de Brown 1, 45,000

Salt Water.

Producing Sand	Brown Shale		www.managapaman.communica.Depth		en e
Formation	Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface	THE CONTRACTOR OF THE STORE STORE OF THE STO	erinale Galliania (1974), i celt e may uta (celt e may uta (ce	province and a second s	assa hindhistin agu in a dronainth na h-maraint i ann tait aig e ail ach ab ann an -mharagaig teanna tha an dhaigh air ann an Argannach	etti rinnintijati kin nitra viitarius kirveetinyssi viitati yra kiristiitiin järjettä viitastiitiin tilitaitii
Shale		14	52		
Sand		52	85	veneral control of the control of th	
Shale		85	130		
Sand		130	148		
Shale		148	202		
Sand		202	270		
Shale	v	270	323		
Sand		323	355		
Shale		355	446	4.	
Sand		446	480		
Shale		480	550		
Sand		550	627		
Shale		627	707		
Sand		707	742		
Shale		742	1172		
Sand		1172	1203		
Shale		1203	1260		
Sand		1260	1275		
Shale		1275	1330		
Sand		1330	1357	and the second of the second was	
Shale		1357	1522		
Sand		1522	1550		**************************************
Shale		1550	1573		

(over)

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

Formation	Color Hard or Soft	Tor Feet	Bottom Feet	Oil, Gas or Water * Remarks
work-mean-many-region plantific distribution of my many and a second sec	To Select the Control of the Control	encos el substant aso, encontrativon sucremente de ses montes en		OH, CHS III PREEL PURILIES
Sand Shale Sand Big Lime Shale Injun Sa Shale Coffee S Berea Sa Shale Brown Sh Shale Marcellu Onondaga Oriskany Helderbe Log T	nd hale nd ale s Shale L. S. Sand	1573 1630 1672 1699 1844 1906 1958 2268 2298 2301 3463 3983 4441 4591 4684 4708	1630 1672 1699 1844 1906 1958 2268 2298 2301 3463 3983 4441 4591 4684 4708 4830 4830	
	39			April a little and asker field
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				teres. Transfer of the second
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ewa ne na newaja kema weng makana na kada kada kema ang ang akada na makana kada kena kada kena kada kena kada		and the second professional and a contract transfer and the second profession and the second professional and the		· 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000

Date	February 20	 	14	80	







Oil and Gas Division

OIL & GAS DIVISION DEPT, OF MINES

OIL AND GAS WELL PERMIT APPLICATION

O THE DEPARTMENT OF MINES,			enggran igi i tagiha bili i kilosofi b
Charleston, W. Va.	,, , , , , , , , , , ,	ATE June 28, 1979	
urface Owner Noble Neeley	С	_{ompany} Kaiser Explorati	on and Mining Company
Address Silverton, WV	The second secon	ddress P. O. Box 8. Ray	
Aineral Owner Frank L. Abels, et al		arm C. C. Bogard	
Address 1113 Ann Street, Ravenswood,		ocation (waters) Straight	19
Coal Owner Same as above		, ,	Elevation 825
ddress Same as above			County Jackson
Coal Operator None			
None	· ·		
provisions being in accordance with Chapter of the W. Va. Coda, he location is hereby approvisions.	ved	ECTOR E NOTIFIED Richard N	Jorris
drilling 3-6-79			
drilling 3-6-79	ADDRE	ESS P. O. Box 372, Gr	rantsville, WV 2614
Total A Gas Division	PHONE	354-7295	The entirest of a policy of the con-
ENTLEMEN:		rangan dan sebagai kecamatan dan sebagai kecamatan dan sebagai kecamatan dan sebagai kecamatan dan sebagai kec Sebagai kecamatan dan sebagai kecamatan dan sebagai kecamatan dan sebagai kecamatan dan sebagai kecamatan dan	
tle thereto, (or as the case may be) under gra Bogard, et al made to Devon Corp 976, in Jackson County, Book	oration, et a	and recorded on the2	day of October
XXX NEW WELLDRILL D	EEPER	REDRILLFRA	CTURE OR STIMULATE
OIL AND GAS WELL ORIGINALI	LY DRILLED BEI	FORE JUNE 5, 1969.	ot i kitalih samata kala isola. T
The enclosed plat was prepared by a register ave been notified as of the above date.	ed engineer or lice	ensed land surveyor and all co	oal owners and/or operators
The above named coal owners and/or operator make by Section 3 of the Code, must be rece	r are hereby notifi ived by, or filed v	ed that any objection they wi with the Department of Mines	sh to make, or are required within ten (10) days. *
Copies of this notice and the enclosed plat we coal owners at their above shown respective me day with the mailing or delivery of this con	address	day	before, or on the
	Very	truly yours,	** * •
LEASE SUBMIT COPIES OF ALL	(Sian	Name) Z	€ 🖈
EOPHYSICAL LOGS DIRECTLY TO:	(5%)	R. A. Pryce	tor '
EST VIRGINIA GEOLOGICAL AND		P. O. Box 8	
CONOMIC SURVEY	Address	Street	
ODGANTOUN VIEST VIDCINIA 26505	Well Operator	Ravenswood	
ORGANTOWN, WEST VIRGINIA 26505 C-304 - 292-6331	•	City or Town	
0-304 - 232-0331	2.5	West Virginia	26164
	4.	State	

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting he filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

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

DRILL X	DEEPEN F	RACTURE-STIMULATE
•	*	
	D 0 D	8, Ravenswood, WV 2616
	and the second second	71
		CABLE TOOLS
		DIGDOGAL *
RECICE	and water flo	OODOTHER
Я:	•	
· · · · · · · · · · · · · · · · · · ·		
USED FOR	LEFT IN	CEMENT FILL UP
DRILLING	WELL	OR SACKS - CUBIC IT
300	300	Compat hould be seen
. 300	300	Cement back to surface
2350	2350	125 ok - 5701
2330	2330	125 sk = 570'
4875	4875	125 sk = 15001
		Perf. Top
		Perf. Bottom
		Perf. Top
		Perf. Bottom
OF OG - 1, \$100.00 PERM	IIT FEE, PERFORMANCE B	OND AND PERMANENT COPY
L: OF OG - 1, SHOWING ORIG TO 1929, A PERMANENT C	SINAL PERMIT NUMBER AN COPY OF THE PLAT AND T	D PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD
		en kanada ya kesanda da araba da araba Araba da araba da ar
AND ORIGINAL WELL RE	CORD	COPIES OG - 1, PERFORMANCE
RIGINALLY DRILLED ON A	AND/OR AFTER JUNE 5, 192	9, FIVE COPIES OG - 1, SHOW-
d within ninety (90) days of	completion for bond release.	Inspector to be notified twenty-
en e		en e
		The second secon
be completed by the coal op	perator if the permit is to be	issued within ton days of receipt
nt for	Coal Company, Owner	or Operator of the coal under
Coal Company	have no objections to said w gulations in Articles 4, 5, and	ell being drilled at this location, 7, Chapter 22 of the West Virginia
		%
	Fo	or Coal Company
		Official Title
	Known) Time LETED WELL: 4900 MATION: Oriskany GAS X RECYCL A: USED FOR DRILLING 300 2350 4875 DEPTHS FEET E AREA? None OF OG - 1, \$100.00 PERM L: OF OG - 1, SHOWING ORIC TO 1929, A PERMANENT OF CO. RIGINALLY DRILLED BEFORMANCE AND ORIGINAL WELL RE RIGINALLY DRILLED ON A MBER, AND PERFORMANCE d within ninety (90) days of the completed by the coal or and original within ninety (90) days of Coal Company	Time NAME Robert A. I ADDRESS P. O. BOX TELEPHONE 273-53. ETED WELL: 4900 ROTARY X MATION: Oriskany GAS X COMB STORAGE RECYCLING WATER FLO A: USED FOR LIFT IN WELL 300 300 2350 2350 4875 4875 DEPTHS FEET SALT WATER BY WHOM? E AREA? None BY WHOM? OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BY WHOM? DOF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND TO 1929, A PERMANENT COPY OF THE PLAT AND TO 1929,

FORM WR-38 (Affidavit of Plugging)

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE 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.

None		Kaiser Explor	ation and Mining Co Name of Well Operat	ompany or	
Coal Operator or Owne	r				
		P.U. BOX 8, K	avenswood, WV 2616 Complete Address	<u> </u>	
Address		Cambamban 11	•	19 8	36
0		September 11	L AND LOCATION		20
Coal Operator or Owne	er			Distri	ct
		Ravenswood		2200.2	
Address		* .		County	
Frank Abels		<u>Jackson</u>		Councy	
Lease or Property Own	i de la companya de		### /## OOF 1F1:	2.1	
1113 Ann St., Ravenswood, WV	26164	WELL NO. DEK	<u>#77 (47-035-151:</u>	3.)	
Address					Farm
STATE INSPECTOR SUPERVISING	PLUGGING <u>Jerry</u>	Tephabock			
	A FORT TO A V	T T			
	AFFIDAV	11			
STATE OF WEST VIRGINIA,					
County of Jackson	ss:				
	•	and Walt	er Morgan		
bains first duly sworn accor	ding to law depos	se and say tha	it they are experie	nced in	the
F -lumming and filling	oil and oas well	is and were en	ipioved by Kalser i	EXDIORA	L 1011
and Mining Company well	operator, and par	cticipated in	the work or braggr	ing and	T T T T
ing the above well, that sail 9 86, and that the well	d work was commen	nced on the	following manner:	λ	y
19 86, and that the well	was progged and	LELECU III CIIC	202200200		
		. 3	Plugs Used	Cas	sing
Sand or Zone Record	Filling Mate	eriai		+csg T	CSG.
Formation			Size & Kind	PULLED	LEFLIN
Brown Shale	Gel between al	l_plugs	3.5" Alpha Perm,	4½" 2185'	
			bridge plug @ 3300' w/10' Cal-	2103	2380
			Seal on top.		
Cut in 4½" casing			150' Class A ceme	nt	
			150' Class A ceme	nt	
Cut in 7" casing	- V	1	130 Class A Ceme	110	
	97.	\$.85			
Surface Plug		, V ³	300' Class A ceme	nt	
	10				
			Description o	f Monum	lent
Coal Seams					
(Name)			7" casing with an		ıum
(Name)			tag cemented in t	ор	
(Name)					
(Name)					
and that the work of p	lugging and fill:	ing said well	was completed on t	he <u>17t</u>	<u>:h</u> day
of <u>July</u> , 1	· 86	1/1	[M=Mil		
And further deponents	saith not.	Sohn V	Mallou		
-		1101nl	The I more	2-	
Sworn to and subscribed be	fore my this 154	L day of S	enternal Lan	, 19	86
Sworth to and adoptition be	Total me curs 101			-	
			Motary Public	$\overline{}$	
My commission expires:			inclus a dona		

Permit No. <u>47-035-1513</u>