FILE COPY



)	Date: January	11,	, 19_84
1	Omaratar's		

Operator's Well No. KEM #492

3) API Well No. State County Permit

STATE OF WEST VIRGINIA

			1	DEPARTME	NT OF MINES, OIL	AND GAS DIVIS	SION	
				APPLICA	ATION FOR A WEL	L WORK PERMI	<u>r</u>	
4) WELL TY							- LEMOTHASIFICO / Deep	_/ ShallowX/)
5) LOCATIO	N: Ele	evation: _	576		Watershed:	Trace For	k	
	Di	strict:	Ravensw	ood	County:	lackson	Quadrangle:	Sandyville
6) WELL OP				ation a	<u>nd Min</u> ing Co.	7) DESIGNATE	DAGENT R. A.	Pryce
Addres	s		Box 8	0676	2	Address	Same	
				IV 2616				
8) OIL & GA						9) DRILLING C		
		Marie Carlotte Co. Marie Co. Carlotte Co.				Name Cli	P. O. Box 38	00
Addres						Address	Elkview, WV	00
a. ppopogr						(D-1-11	/ Stimulate	
0) PROPOSE	ED WELL	WORK:	Plug off	old formation	on/ Performing well (specify)	ate new formation	1/	ECETA E
1) GEOLOG	ICAL TAR	GET FOR			ian Brown Sha		4	FFR 2 - 1984
					6 feet			1202 1301
13) Appro	oximate tra	ta depths:	Fresh,		feet; salt		feet.	OIL & GAS DIVISION
14) Appro					Is coa	al being mined in th	e area? Yes Di	EPT. NOF MINE
CASING OR TUBING TYPE	Size	SPEC Grade	Weight per ft.	New Used	FOOTAGE II	NTERVALS Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor		1 4						Kinds
Fresh water	10 3/	4"		X	250	250	150 sks clas	s A to surface
Coal			The state of the s	30 36				Sizes
Intermediate	7"	1011		X	2025	2025	65 sks 50/50	pozmix, 100 sk c
Production	4 1/	2"		X	4136	4136		Obepog zmix
Tubing Liners					TOYIU ACU IS	117013	or as	Perforations
		<u>kannitas</u>	nem an vi	tany follo	n odcurrences au	Mates_of_period	e the incer of all th	Top Bottom
(Month					3100		
			(6)) nopostan i	OFFICE USE C	ONLY		No House troublings A
		,	929		DRILLING PE			Well-work started
	47-	-035-1					February	
Permit number_	77	033 1	CM.		-			ellinb edi to nolisiona
quirements subj No. 8) Prior to the listrict oil and g	the construction in specific construction in s	ction of re or 24 hour	contained he pads, location s before actu	erein and on tons and pits for and permitted	he reverse hereof. No r any permitted work work has commenced	tification must be . In addition, the val.)	ted to drill in accordan given to the District Oil well operator or his con	ce with the pertinent legal re- land Gas Inspector, (Refer to tractor shall notify the proper
The permitted we everse hereof. Permit expires			6, 1986					nd conditions specified on the prosecuted with due diligence.
tapitos								OTHER INSELECTIONS
Bond:	Agen	nt:	Plat:	Casing	Fee			

NOTE: Keep one copy of this permit posted at the drilling location.

BLANKET

Administrator, Office of Oil and Gas

47 State





	OFFI	CE	USE	ONL	Y
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STATE OF WEST VIRGINIA

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DICTORATION ONLINE OF THE PROPERTY OF THE PROP	Shallow (August)	/ Deep								dotte on
Date(s) Policy of the drilling of the drillin		Quadranele								
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AND TABLE PLANTS OFFICE USE ONLY Date September of the drilling received Well work started To a pure of the drilling received Well Record Recor								2		
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Date Pollow-up inspection(s) Pollow-up inspec										
ASC S 833 MOLINIO MO		100 Aug	Address Address							
ASC; S 837 ASC S S S S S S S S S S S S S S S S S S	Copposition	di-mi								
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Completion of the drilling process of the drilling pro	NO 01						163	F-860		
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THER INSPECTIONS Spile										logiati
Agent: Casing Hee										2011033
	THEK INSPECTION	3					The second	1		
	Reason.				1 18	mise)			Agent	b
Marie Hill Hill Bill 13	Reason.			1955		ME	THE	1		13XM

See the reverse stue of the APPLICANT'S COPY for instructions to the well operator.



		State	County	Permit
3)	API Well No.	47	0.35	
2)	Operator's Well No	KEM	#492	
1)	Date:	uary-	11,	, 19

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

APPLICATION FOR A WELL WORK PERMIT

4) WELL T			/ Gas _		/ Underground	storage	/ Deen	_/ ShallowX/)
5) LOCATION						Trace For		
						Jackson	Quadrangle:	Randvville
6) WELL O								Pryce
Addre			Box 8			Address		
		Ravens	swood, W	V 26164				
8) OIL & G.	AS INSPEC	CTOR TO	BE NOTIFIE	D		9) DRILLING C	ONTRACTOR:	
	Jerry					Name	nt Hurt	
Addre	ss Rt	1, Box	101A			Address	P. O. Box 3	28
	Ripl	ay, WY	25271				Elkview, WV	
10) PROPOS	ED WELL	WORK:	Drill X	/ Drill	deeper	/ Redrill	/ Stimulate	<u> </u>
			Plug off o	old formation_	/ Perfor	ate new formation	/	
			Other phys	ical change in	well (specify)			
11) GEOLOG	GICAL TAP	RGET FOR	MATION, _	Devonia	n Brown Sh	ale		
12) Estin	nated depth	of complet	ed well,	4136	feet			
13) Appr	oximate tra	ta depths:	Fresh,		feet; salt	,	feet.	
14) Appr	oximate coa	al seam dep	ths:		Is co	al being mined in th	e area? Yes	/ No/
15) CASING	AND TUB	ING PRO	GRAM					
CASING OR TUBING TYPE	1	SPEC	CIFICATIONS	- 1	FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TIPE	Size	Grade	Weight per ft.	New Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor								Kinds
Fresh water	10 3	14"		X	250	250	150 eke cla	s A to surface
Coal								Sizes
Intermediate	7"			X	2025	2025	65 sks 50/5	
Production	41	12"		X	4136	8126	225 sks 50/	THE SHAPE THE RESIDENCE OF THE PARTY OF THE
Tubing							000	nece by melast
Liners								Perforations:
								Top Bottom
	are requir	The follow	operator, cose by Code §22- by the Departs	al owner(s), and 4-3 must be file ment. ust be complet laration under	d coal lessee are hed with the Depart ed by the coal ope Code §22-4-20, if	ment of Mines with	Any objection they wish in fifteen (15) days after coal owner or coal less issued within fifteen (1	er the receipt
					WAIVER			
The undersign examined this pundersigned has the West Virgini	roposed well	l location. on to the w d the gover	If a mine map ork proposed ning regulation	exists which co to be done at the	overs the area of t	he well location the	well location has been	al under this well location has a added to the mine map. The all applicable requirements of
		r	ny m	14				7
Date:			, 19		В	y		
								TO BE A STATE OF THE STATE OF T
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								00/00/0000

ass

FORM IV-2(A)		1) Date: <u>January 11</u> , 19 84 2) Operator's
		Well No. KEM #492
		3) API Well No. 47 - 035 - /929
		State County Permit
	STATE OF WEST V	
	DEPARIMENT OF MINES, OFF	
	NOTICE OF APPLICATION FOR	
4) SURFACE OWNE	ER(S) OF RECORD TO BE SERVED	5(i) COAL OPERATOR None
	ie S. & Anna J. Wolfe	Address
Address_	Rt. 2, Box 74C	5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
(ii) Name	Sandyville, WV 25275	Name_None
Address		Address
		Name
(111) Name		Address
- Add 655_		5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
		Name None
		Address
	TO THE PERSON(S) NAMED ABOVE: You should have	received this Form and the following documents:
	cementing program; (2) The plat (surveyor's map) showing the (3) The Construction and Reclamation Plan	on Form IV-9)unless the well work is only to for erosion and sediment control and for
	THE REASON YOU RECEIVED THESE DOCUMENTS IS	THAT YOU HAVE RIGHTS REGARDING THE APPLICATION
	WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HE ACTION AT ALL.	
	erator promoses to file or has filed this Notice	est Virginia Code, the undersigned well op-
	for a Well Work Permit with the Administrator of	f the Office of Oil and Gas. West Virginia
	and depicted on attached Form IV-6. Copies of Construction and Reclamation Plan have been mai	the location described on attached Application CELVIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	by hand to the person(s) named above (or by pub- before the day of mailing or delivery to the Adr	lication in certain circumstances) on or
	6) EXTRACTION RIGHTS	
	Check and provide one of the following:	OIL & GAS DIVISION
	I hold the right to extract oil or gas. The requirement of Code 22-4-1-(c) (1) thro	
	7) ROYALTY PROVISIONS Is the right to extract, produce or market th	ne oil or gas based upon a loage or leases
	or other contract or contracts providing for for compensation to the owner of the oil or ga	flat well royalty or any similar provision as in place which is not inherently related
	to the volume of oil or gas so extracted, pro	dditional is needed. If the answer is Yes,
	you may use Affidavit Form IV-60.	iditional is needed. If the answer is ies,
	See the reverse side for line item instr the required copies of the Notice and Ap Reclamation Plan.	nuctions, and for instructions concerning oplication, plat, and Construction and
	the information on the	WELL
-	oplication is verified	OPERATOR Kaiser Exploration and Mining Company
	and the Notice is half of the Well Operator	By RAP =
	and State by	Its General Manager Address P. O. Box 8
this 11day of	f January , 19 ₈₄ .	Ravenswood, WV 26164
My commiss	sion expires August 30, 1993.	Telephone 273-5371
With the Party of	nese Carney, Dackson County,	09/08/2023
	West Virginia	

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas. .
- 4) & 5) Use separate sheet if necessary.
 - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-lm, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
Carol S. Love	KAISER EXPLORATON AND	1/8 of preva	
Romie Smith Wolfe	MINING COMPANY	field price	100,200
Nomite Sintell MOTTE			165/174





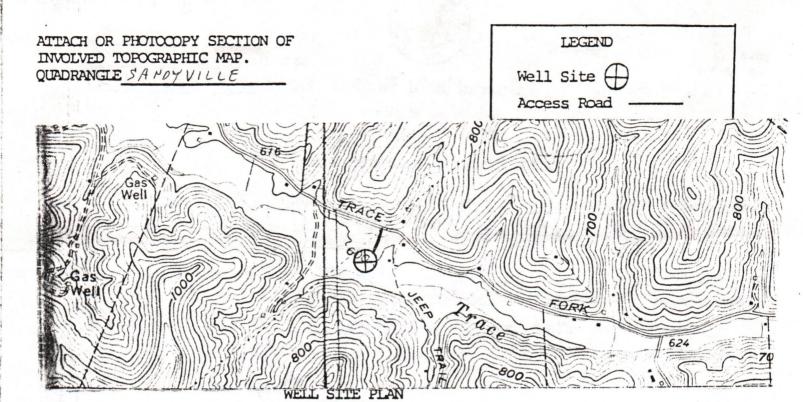
DATE	Dec	ember	14,	1983	
WELL	ю.	KEM	492		

State of West Hirginia API NO. 47-035-1929

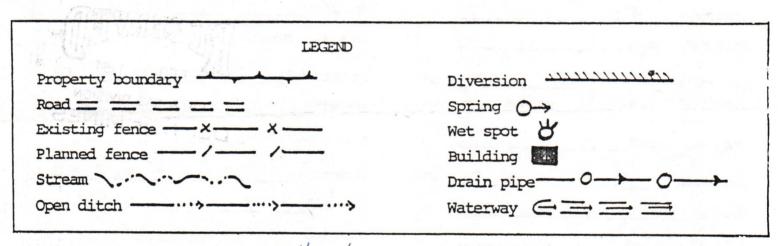
Bepartment of Mines Bil und Gas Bivision

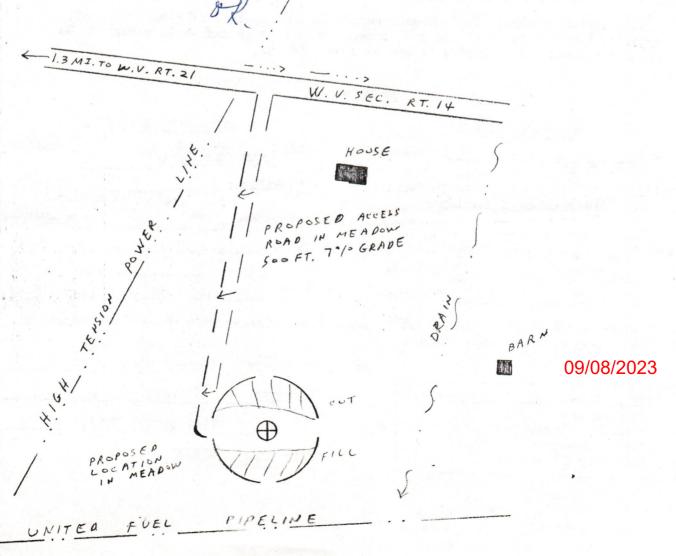
CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration and Min			
Address P. O. Box 8, Ravenswood, WV	_26164	Address	
Telephone 273-5371		Telephone	
ANDOWNER Romie Wolfe		SOIL CONS. DISTRIC	r Western
Revegetation to be carried out by K	aiser E	ploration and Minin	g Company (Agent)
This plan has been reviewed by and additions become a part of this plan	hile	7	All corrections
	Jusa.	(SCD Agent)	hes
ACCESS ROAD		LOCAT	
Structure Cross Drains	(A)	Structure None	required (1)
spacing 135'		Material	- FORWEIN
Page Ref. Manual 2-4		Page Ref. Manual	18186
Structure	(B)	Structure	FEB 2 - 1984 (2)
spacing		Material	OIL & GAS DIVISION
Page Ref. Manual		Page Ref. Manual_	DEPT. OF MINES
tructure	(C)	Structure	(3)
Spacing		Material	
Page Ref. Manual		Page Ref. Manual_	
All structures should be inspected commercial timber is to be cut and s cut and removed from the site before	tackea c	ly and repaired if no nd all brush and sma	ecessary. All
All structures should be inspected commercial timber is to be cut and s cut and removed from the site before	tackea c	ly and repaired if no nd all brush and sma rk begins.	ecessary. All
All structures should be inspected commercial timber is to be cut and s cut and removed from the site before	tacked o	ly and repaired if no not all brush and smark begins.	ecessary. All
All structures should be inspected commercial timber is to be cut and s cut and removed from the site before Treatment Area I Lime 4 Tons/acr	e dirt w	ly and repaired if no not all brush and smark begins.	nt Area II rea I Tons/acre
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before Treatment Area I Lime 4 Tons/acre or correct to pH Fertilizer 14-14-14 600 lbs/acre	e dirt w	ly and repaired if no not all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer	nt Area II rea I Tons/acre
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before Treatment Area I Lime 4 Tons/acre or correct to pH Fertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent)	e dirt w	ly and repaired if no not all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer	nt Area II rea I Tons/acre
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before Treatment Area I Lime 4 Tons/acre or correct to pH Fertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre	e dirt w	ly and repaired if no not all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer (10-20-Mulch	nt Area II rea I Tons/acre pH lbs/acre 20 or equivalent)
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before Treatment Area I Lime 4 Tons/acre or correct to pH Fertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre 32 Seed 81% Orchard Grass/15% Ryelbs/acre	e dirt w	ly and repaired if no not all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer (10-20-	nt Area II rea I Tons/acre pH lbs/acre 20 or equivalent) Tons/acre
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before Treatment Area I Lime 4 Tons/acre or correct to pH Fertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre Red Clover 8 lbs/acre Red Clover 8 lbs/acre	e dirt w	ly and repaired if no not all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer (10-20-Mulch	rea I Tons/acre Description
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before Treatment Area I Line 4 Tons/acre or correct to pH Fertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre (10-20-20 or equivalent) Seed 81% Orchard Grass/15% Ryelbs/acre Red Clover 8 lbs/acre lbs/acre *Inoculate all legumes such as veto:	e dirt w	ly and repaired if no all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer (10-20-Mulch Seed*	rea I Tons/acre pH lbs/acre lbs/acre lbs/acre lbs/acre lbs/acre lbs/acre
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before Treatment Area I Lime 4 Tons/acro or correct to pH Fertilizer 14-14-14 600 lbs/acro (10-20-20 or equivalent) Mulch Hay 2 Tons/acro Nulch Hay 2 Tons/acro Red Clover 8 lbs/acro lbs/acro lbs/acro	TEVECETAL TEVECETAL TE TE TE TE TE TE TE TE TE T	ly and repaired if no all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer (10-20-Mulch Seed*	rea I Tons/acre pH lbs/acre lbs/acre lbs/acre lbs/acre lbs/acre lbs/acre
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before Treatment Area I Lime 4 Tons/acre or correct to pH Fertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre Red Clover 8 lbs/acre lbs/acre *Inoculate all legumes such as veter Inoculate with 3X recommended amount.	TEVEGETANCE TEVEGETANCE TE TE TE TE TE TE TE TE TE	ly and repaired if no all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer (10-20-Mulch Seed* Il and clovers with the APDRESS 116 Pt	acessary. All all timber to be Tens/acre pH lbs/acre lbs/acre
Treatment Area I Lime 4 Tons/acre or correct to pH Fertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre Red Clover 8 lbs/acre lbs/acre *Inoculate all legumes such as vetal Inoculate with 3X recommended amount.	TEVEGETANCE TEVEGETANCE TE TE TE TE TE TE TE TE TE	ly and repaired if no all brush and smark begins. TON Treatme Lime Same as A or correct to Fertilizer (10-20-Mulch Seed* Il and clovers with the APDRESS 116 Pt	acessary. All all timber to be the Area II rea I Tons/acre pH lbs/acre lbs/acre lbs/acre lbs/acre he proper bacterium.



ketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.





AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Va COUNTY OF JACKSON:
The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of— (1) Notice on Form IV-2(A) X / Form IV-3(A) / Form IV-4(A) / (2) Application on Form IV-2(B) X / Form IV-3(B) / Form IV-4(B) / (3) Plat showing the well location on Form IV-6, and (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)
all with respect to operator's Well No. KEM 492 located in RAJENSWOOD District, JACKSON County, West Virginia, upon the person or organization named
Romie S. Wolfe Amna a wolfe his wife
by delivering the same in <u>Jackson</u> County, State of <u>Jackson</u> County, State of <u>Jackson</u> on the <u>17Th</u> day of <u>Jan.</u> , 1984 in the manner specified below. OIL & GAS DIVISION
- [COMPLETE THE APPROPRIATE SECTION]
For an individual: [Handing it to him / / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.
[] Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.
For a partnership: [] Handing it to
For a limited partnership: [] Handing it to the general partner, named, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.
For a corporation: [] Handing it to the corporation's employee / officer / director / attorney in fact / named
(Signature of person executing service)
(orginature or person exceeding service)
Taken, subscribed and sworn before me this 19 day of Jan , 1984. My commission expires Oct 28, 1993
Steph Kely Notary Public Commissioner
(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE) for the state of West Ja. 09/08/2023



SURFACE OWNER'S COPY



1)	Date: January	11.		19_	34	
	Operator's					

Well No. 47

Mr	27 T 27 MIL	A STATE OF THE PARTY OF A STATE OF
47	035	4.1000000000000000000000000000000000000
tate	County	y Pe

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

用心态 第4年。		f "Gas", 1	/ Ga		1	Underground s			Shallow X
5) LOCATIO		vation:				Watershed:			Snallow/)
3) LOCATIO		strict:	AND COMPANY AND COMPANY	Charles and the control of the	1000			Quadrangle:	Bandyville
6 WELL OF					on and	Mining Co.	7) DESIGNATE	DAGENT R. A.	Pryce
Address	Francisco Company	0.4	and the company of th			ewich catalog policie		Same	terror and an experience of the
Auto via	of the described	avens	1000, 1	W	26164	an more services		enter at the complete of the	Massive to antick the state
8) OIL & GA	S INSPEC	TOR TO	BE NOTIF	FIED			9) DRILLING	CONTRACTOR:	
Marie Control of the	Jerry	Tephabo	A CONTRACTOR OF THE PARTY OF TH				Name C11		
Address	A North	Box	M. C. L.		to the residence		Address	P. O. Box 38	- TARROTTE
A Maria	Ripley	/ . WY	AUDIO STOTE		进力的中国的			Eliview. WY	
10) PROPOSE	ED WELL	WORK:	Drill_A	the transfer of	/ Drill			/ Stimulate	
						Perfora	Charles and the second of the	STATE OF THE PARTY	LED 0 - 1084
			Other pl	hysical	change in	well (specify)	et de mir	Motor Strapes	FCO 2, LIVE
			经 对数据的	100 mm		100 miles			
(1) GEOLOG	ICAL TAR	GET FOR	MATION,	, <u>D</u> e	Vonta	n Brown Sha	le		OIL & GAS DIVISION
12) Estim	ated depth	of complete	ed well,	ALC BERT	4136	feet			OIL & GAS DIVISION
12) Estima 13) Appro	ated depth oximate trat	of complete a depths:	ed well,	a Back	4136	feet; salt,		feet.	DEPT. OF MINE
12) Estim. 13) Appro	ated depth of contract of the	of complete a depths: I seam dep	ed well, Fresh, ths:	a Back	4136	feet		feet.	OIL & GAS DIVISION DEPT. OF MINE
12) Estima 13) Appro 14) Appro 15) CASING	ated depth of contract of the	of complete a depths: I seam dep NG PROC	Fresh, ths:		4136	feet; salt,	al being mined in the	feet. [DEPT. OF MINE
12) Estim. 13) Appro	ated depth of painter that oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh, ths: GRAM IFICATIONS Weight		4136	feet; salt, Is coa	al being mined in the	feet. the area? Yes CEMENT FILL-UP OR SACKS	DEPT. OF MINE
12) Estim. 13) Appro 14) Appro 15) CASING A CASING OR TUBING TYPE	ated depth of contract of the	of complete a depths: I seam dep NG PROC	ed well,		4136	feet; salt, Is coa	al being mined in the	feet. he area? Yes	DEPT. OF MINE
12) Estim. 13) Appro 14) Appro 15) CASING A CASING OR TUBING TYPE	ated depth of painter that oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh, ths: GRAM IFICATIONS Weight		4136	feet; salt, Is coa	al being mined in the	feet. the area? Yes CEMENT FILL-UP OR SACKS	PACKERS Kinds
12) Estim. 13) Appro 14) Appro 15) CASING A CASING OR TUBING TYPE Conductor Fresh water	ated depth of poximate trate oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh,		4136	feet; salt, Is coa FOOTAGE IN	al being mined in the NTERVALS Left in well	feet. he area? Yes CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS Kinds
12) Estim. 13) Appro 14) Appro 15) CASING A CASING OR TUBING TYPE Conductor Fresh water Coal	ated depth of poximate trate oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh,		4136	feet; salt, Is coa FOOTAGE IN	al being mined in the NTERVALS Left in well	feet. he area? Yes CEMENT FILL-UP OR SACKS (Cubic feet) 150 sks clas	PACKERS Kinds A to surface Sizes DOZMÍX, 100 SK class
12) Estim. 13) Appro 14) Appro 15) CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate	ated depth of poximate trate oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh,	New	4136	feet; salt, Is coa FOOTAGE IN For drilling	al being mined in the state of	feet. he area? Yes CEMENT FILL-UP OR SACKS (Cubic feet) 150 sks clas	PACKERS Kinds A to surface Sizes DOZMÍX, 100 SK class
12) Estim. 13) Appro 14) Appro 15) CASING A CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production	ated depth of poximate trate oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh,	New	4136	feet; salt, Is coa FOOTAGE IF For drilling	NTERVALS Left in well 250	feet. he area? Yes CEMENT FILL-UP OR SACKS (Cubic feet) 150 sks clas	PACKERS Kinds A to surface Sizes DOZMÍX, 100 SK class
12) Estim. 13) Appro 14) Appro 15) CASING A CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing	ated depth of poximate trate oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh,	New	4136	feet; salt, Is coa FOOTAGE IF For drilling	NTERVALS Left in well 250	feet. he area? Yes CEMENT FILL-UP OR SACKS (Cubic feet) 150 sks clas	PACKERS Kinds A to surface Sizes Dogmax, 100 sk class Depths set 1 x Perforations:
12) Estim. 13) Appro 14) Appro 15) CASING A CASING OR TUBING TYPE Conductor Fresh water Coal	ated depth of poximate trate oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh,	New	4136	feet; salt, Is coa FOOTAGE IP For drilling 250 2025 4136	NTERVALS Left in well 250 2025 4136	feet. CEMENT FILL-UP OR SACKS (Cubic feet) 150 sks clas 65 sks 50/50 225 sks 50/5	PACKERS Kinds A to surface Sizes Dozmix, 100 sk class Deposite 1 x
12) Estim. 13) Appro 14) Appro 15) CASING A CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing	ated depth of poximate trate oximate coa AND TUBI	of complete a depths: I seam dep NG PROC SPEC	Fresh,	New	4136	feet; salt, Is coa FOOTAGE IP For drilling 250 2025 4136	NTERVALS Left in well 250 2025 4136	feet. CEMENT FILL-UP OR SACKS (Cubic feet) 150 sks clas 65 sks 50/50 225 sks 50/5	PACKERS Kinds A to surface Sizes Dogmax, 100 sk class Depths set 1 x Perforations:

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

materials.					
(For execution by corporation, partr	ership, etc.)	(For execution	by natural persons)		
NAME:		- Ron	me & Wol	Date	1-17-84
Ву		_ 1	(Signature)) allo-	1-17-84
Its	Date	VAN	(Signature)	Date	· 1-11-87



OIL & GAS DIVISION



State of Mest Airginia Department of Mines Gil und Gas Division

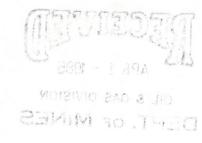
Date	July 12, 1984
Operator's Well No.	s KEM #492
Farm	R. S. Wolfe
API No. 47	7 - 035 - 193 1 -
	1929 EDAN

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," ProductionX / Undergroup	/ Wast	e Disposa pe_/ Deep	l/ p/ Sha	llow/)			
IOCATION: Elevation: 596' Watershed		Trace Fo	rk				
District: Ravenswood County Jack				ville			
COMPANY Kaiser Exploration and Mining Company				16			
ADDRESS P.O. Box 8, Ravenswood, WV 26164	Casing	Used in	Left	Cement fill up			
DESIGNATED AGENT R. A. Pryce	Tubing	Drilling	in Well	Cu. ft.			
ADDRESS Same	Size 20-16						
SURFACE OWNER Romie and Anna Wolfe	Cond.			175 also C1			
ADDRESS Rt. 2, Box 74-C, Sandyville, WV 25275 MINERAL RIGHTS OWNER Carol S. Love	13-10,4	257.35 KB	257.35 KE	175 sks Cl w/3% Cacl&			
ADDRESS RFD 3, Box 148, Marietta, OH 45750	9 5/8			sk cellofl			
OIL AND GAS INSPECTOR FOR THIS WORK Jerry	8 5/8			150 -1- 50			
Tephabock ADDRESS Rt. 1, Box 101A, Ripley, WV	7	2044 'KB	2044 'KB	150 sks 50, pozmix, 100			
PERMIT ISSUED 5/3/84	5 1/2			Class A			
DRILLING COMMENCED 5/24/84	4 1/2	4114 KB	4114 KB	200 sks 50,			
DRILLING COMPLETED 5/29/84	3			POZIITA			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2						
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners						
REWORKING. VERBAL PERMISSION OBTAINED ON	used						
GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 3738 feet Depth of completed well 4141 feet Rotary x / Cable Tools Water strata depth: Fresh N/A feet; Salt N/A feet Coal seam depths: N/A Is coal being mined in the area? NO							
OPEN FLOW DATA							
Producing formation Devonian Brown Shall	e Pay	zone dept	h 3738	feet			
Gas: Initial open flow 0 Mcf/d							
Final open flow 1000 commingNeff/d			-				
Time of open flow between initi				The state of the s			
Static rock pressure 1190 psig(surface		_					
(If applicable due to multiple completion-							
Second producing formation Berea Sandst	one Pay	zone dept	h 09/08/	2023 feet			
Gas: Initial open flow 0 Mcf/d							
Final open flow 1000 comming Mdf/d	Oil: Fin	al open fl	.cw0	Bbl/d			
Time of open flow between initi			-	- The state of the			
Static rock pressure 1190 psig(surface)							





State of West Wirginia

Department of Mines Bil und Cas Division

Date_			, 1984	4				
Operator's								
Well 1	10	KEI	4 #492	2				
Farm	R.	S. I	Volfe					
API No	. 47	- (035	-	1931			

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production X / Underground	and Storag	ge/ Dee		allow/)
LOCATION: Elevation: 596' Watershed T District: Ravenswood County Jacks			e Sandyv	ille
COMPANY Kaiser Exploration and Mining Company				
ADDRESS P.O. Box 8, Ravenswood, WV 26264	Casing	Used in	Left	Cenent
DESIGNATED AGENT R. A. Pryce	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS same	Size			
SURFACE CWNER Romie and Anna Wolfe	20-16			
ADDRESS Rt. 2, Box 74-C, Snadyville, WV 25275	13-10 ⁴	257 35KB	257 35KB	175 sks class
MINERAL RIGHTS OWNER Carol S. Love	9 5/8	237.3310	237.3310	sk celloflake
ADDRESS RFD 3, Box 148, Marietta, OH 45750	8 5/8			
OIL AND GAS INSFECTOR FOR THIS WORK Jerry	7	2044 'KB	2044'KB	150 sks 50/5 pozmix, 100
Tephabock ADDRESS Rt. 1, Box 101A, Ripley,	5 1/2	-		class A
PERMIT ISSUED	4 1/2	4114 KB	4114 KB	200 sks 50/5
DRILLING COMMENCED 5/24/84	3			
DRILLING COMPLETED 5/29/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON		-		
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON	used			
	ale	Dep	th 3738	feet
Depth of completed well 4141 feet	Potary X	Processing and Assessing and A		Action of the Control
Depth of completed well 4141 leet	Colt N/A	feet		
Water strata depth: Fresh N/A feet;	Te coal	being min	ed in the	area? No
Coal seam depths: N/A		ed on fluid		
OPEN FLOW DATA				
Producing formation Devonian Brown Shale	Pa	y zone dep	th 3738	feet
Gas: Initial open flow 0 Mcf/d	Oil: In	itial open	flow_ c	Boi/d
Final coon flow 1000 comming Med /d	Fi	nal open i	TOM 0	DULTA
-1 - f flat between init	ial and f	inal tests		ours
Static rock pressure 1190 psig (surface	e measure	ment) afte	rno	urs sinc m
and the second time completion	1/			
Second producing formation Berea Sandston	e Pa	y zone dep	2269	9/08/2023/4
- MaF/d	mi: H	II LILIUS OF		NAME OF TAXABLE PARTY.
1000 comming Mett / Cl	OTT!		Constitution of the last of th	
es . bak man ini	tial alki	THILL WOUL		
Static rock pressure 1190 psig (surface	e measure	ment) alte		
tinibii		Cont	irue on 1	reverse side)

DETAILS OF PERFORMTED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, EIC.

6/05/84 - YOUNG's Wireline: perf Brown Shale from 3738-4663' with 20 holes, 440 dita. 6/06/84 - NOWSCO: foam frac'd the shale (90 quality); breakdown pressure: 2000 psig; breakdown fluid: N2; maximum pressure: 3200 psig; total sand: 60,000# of 20/40; total N2: 1122 MSCF; total fluid: 149 bbl; ISIP: 2000 psig; 5-min

SIP: 1940 psig.

YOUNG's to perforate Berea: 2269-2274' with 20 (.40") holes.

NOWSCO: foam frac'd Berea; breakdown pressure; 3180 psig; breakdown fluid: N2 maximum pressure: 3200 psig; treating pressure: 2300 psig; total sand; 60,000# of 20/40; total N2: 945.8 mscf; total fluid: 129 bbl; ISIP: 2040 psig; 5-min SIP: 1900 psig.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil and Shale Sand Shale Siltstone Sand Siltstone Sand Siltstone and Shale Dunkard Sands Shale Salt Sands Big Lime (Greenbrier) Shale Big Injun Sand Shale Coffeee Shale Berea Sand Shale Brown Shale Shale Total Depth	0 120 220 290 503 567 764 824 1564 1757 1882 2065 2160 2172 2262 2606 2626 2634 3866 4454 4628	120 220 290 503 567 764 824 1564 1757 1882 2065 2160 1.2172 2262 2606 2626 2634 3866 4454 4628	S/G S/G @ 3333 S/G @ 4220, 4292
CANAL			

(Attach separate sheets as necessary) the state

& they proper

Kaiser Exploration and Mining Company Well Operator

12 - A. By:

09/08/2023

Date: July 24,

Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including one, including of a well."

1111

17 186

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

CompanyKalsel	Exploration		CASING AND TUBING	DRILLING	LEFT IN WELL	PAC	CKERS
Address		8 - 55 - 55 - 55 - 56 - 57 - 57 - 57 - 57	Size	- 1 AND F R. 10 T A			
Farm	Wolfe	y disk a 19 organization open attitude	16		8	Kind of Pa	icker
Well No	Kem 492		13	a 12		BY	
District		Jackson	81/4			_ Size of	
Drilling commenced			6%		-	Depth set_	
Drilling completed			5 3/16			Parf ton	
Date shot	Depth of shot		2				m
Initial open flow	/10ths Wate	er inInch	Liners Used			Perf. top_	NA TOTAL
Open flow after tubing_	/10ths Merc	. inInch				Perf. botto	m
Volume		Cu. Ft.	CASING CEMEN	NTED	SIZE	No. FT	Date
Rock pressure	lbs	hrs.	NAME OF SER	VICE COMPA	NY		
Dil	bb	ls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water	feet		FEET_	INCH	ES	FEET	INCHES
Salt water	feet	feet	FEET_	INCH	ES	_FEET	INCHES
Orillers' Names				nt en armai sila artisi en tengan armai samus anta pademuno.		ACCOMPANIENCE OF CHEMPS WHITE CHEMPS CONTROL OF CHEMPS AND CHEMPS CONTROL OF CHEMPS	

7 10 84

Jeng 19/08/2023

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY				ADDRESS					
	ARMCOUNTY								
filling Material Use	ed								
iner	Location		Amount	Packer					
The second secon		EPTH PLACED	Amount		Location				
CEMENT-THICKNE		WOOD-SIZE	LEAD	BRIDGES		G AND TU	-		
CLIMBITI THIORIT		1000-512E	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS		
				Name of the second second					
						* 1			
		•			0 2 7				
		e aj saces servi es konte		W. N. M	100		-		
					-				
				and the second s					
							8 2 2		
rillers' Names			an Grandedonas and A						
emarks:									



OIL & GAS DIVISION

State of West VingitipT. of MINES

Department of Mines Oil and Gas Division Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT

COMPANY	Kaiser Exploration & Mining Co.	PERMIT NO	035	1929
	P. O. Box 8	FARM & WELL	NO	Kem 492
	RAvenswood, WV 26164	DIST. & COU	NTY	Jackson
			TN C	COMPLIANCE
RULE	DESCRIPTION		YES	NO NO
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.04 15.05 23.02 25.01 23.04 23.05 23.07 16.01 16.02 7.05	Notification Prior to Starting Work Prepared before Drilling to Prevent W High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght Cement Type Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Pits No Surface or Underground Pollution Requirements for Production & Gatheric Well Records on Site Well Records Filed Identification Markings		X X X	
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND I	RECOMMEND THAT	T IT	BE RELEASED:
		SIGNED	Jen 8	Jr. Tephalore
with Cha	l record was received and reclamation apter 22, Article 4, Section 2, the above for the life of the well.	requirements ave well will	appro	ved. In accordance n under bond
		Administrato	or-Oi	1 & Gas Division
		Janua	ry 2	8,1985
		I	DATE	

