FILE COPY



1)	Date: Jai	nuary	30		, 1	9 84
2)	Operator's Well No. Ki	EM #1	62		(8.)64	7113901
3)	API Well No.	47	-	035	-	1695-RE
		State		County		Permit

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

R	F	N	F	1

			DEF	AKIME	NI OF MINES, U	IL AND GAS DIVE	SIUN	
				PPLICA	TION FOR A W	ELL WORK PERMI	<u>T</u>	
) WELL TY	PE: A C	oil Water	/ Gas	X /	NS OF ANY		DIFFOATIONS A	PERMIT VI
,								_/ ShallowX/)
LOCATIO						Grasslick		
							Quadrangle:	Kenna
WELL OP							DAGENT R. A.	
Address			Box 8			Address	Same	
			swood, WV	2616	4			
OIL & GA	S INSPEC					9) DRILLING O	CONTRACTOR:	
Name	Homen	Doughe	rtv/	ERR	Y EPHAB	9) DRILLING O	lint Hurt	
Address		phen	Rt. Box 13/	RI	1	Address	P. O. Box 3	88
	6	onevy	the Wy	KIP	LEY, WV	25271	Elkview, WV	ることにはという
PROPOSE	D WELL	WORK.	DrillX	_/ Dri			/ Stimulate	MAGGGA
I KOI OSL	D WELL	WORK.				forate new formation		777
								FEB 1 6 198
GEOLOGI	CAI TAR	GET FOR				Shale		
12) Fetime	ated denth	of complet	ed well,	522	1 fe	et		OIL & GAS DIVIS
			Fresh,			alt,	feet.	DEPT. OF MI
						coal being mined in th	ne area? Yes	/ No
CASING A								
ASING OR			IFICATIONS		FOOTAG	E INTERVALS	CEMENT FILL-UP	PACKERS
UBING TYPE	G!	Grade	Weight	Used	For drilling	Left in well	OR SACKS (Cubic feet)	- HOADAG
	Size	Grade	per ft. New	Used	For drilling	Left in weil	(Cubic feet)	W. I
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	Harry Comment					2333		
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	1.7	025 16	OF DEN				W1 0	BOARS AROW II.
mit number_	4/-	033-10	95-REN		_		March 27	
							Date	
s permit cove	ering the w	ell operato	or and well locat	ion show	n below is evidence	ce of permission gran	ted to drill in accordan	ce with the pertinent legal re
								il and Gas Inspector, (Reference tractor shall notify the property)
				The state of the state of	work has commen		won operator or ms con	nactor small motify the prope
nermitted w	ork is as d	escribed in	the Notice and	Applicati	on plat and recla	mation plan subject	to any modifications as	nd conditions specified on th
erse hereof.	OIK IS AS C				on, plat, and recid	mation plan, subject	to any modifications an	ia conditions specified on the
mit expires		Marc	h 27, 198	6	unless w	ell work is commence	d prior to that date and	prosecuted with due diligence
								HER INSPECTIONS
Pond.	A		Plat: Can	na	Fae			
BLANKET	Agen		Plat: Cas	1/1	766-			
	V	01	14 11	N	235		700	1
	,				An Training	1/	LHA 1	Renon
				****		Adr	ninistrator, Office of O	il and Gas

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

1) Date: 2) Operator's FILE COPY Well No. 3) API Weil No. 47
State

Permit

FORM IV-2(B)

Reverse

		OFFIC	E USE ONLY		žá.				AND THE RESERVE OF
PERMIT MO	ODIFICATIONS	AND CONDITION	ONS (IF ANY)	то т	HE P	ROPOSE	D WEL	L WOR	KTJJBW (
/ Shallow // /)	_/ Deep	storage	_/ Underground						
			Watershed: _				. :noiisv:) LOCATION
50 38 50 74. Suit-Avr. (3)	Quadrangle;	7) DESIGNATED		B. Co.			uriot:		WELL OP
	ACENT	// DESIGNATED Address	• VVg - 12-12-12-12-12-12-12-12-12-12-12-12-12-1			3 X 3 X 3			Address
					you.	Januarie)	EV.		
	NTRACTOR:	9) DRILLING CC	TEPHARO	REY	TED Z	BE NOTIF	ток то	SINSPEC	OIL & GAS
जिल्लामान निता		Address	1/N 03	73	-194-	11	1-1	_	Address
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		/ Redrillrate new formation_					WORK:	D WELL) PROPOSE
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010 1 116							GET FOR	CAL TAR) GEOLOGI
OIL & CAS DIVISI			feetfeet						12) Estima
DEPT. OF MIN	feet.		feet; sal						13) Approx
/ No	area? Yes	oal being mined in the	Les Co						14) Approx
								IBUT ON	CASING A
PACKERS	CEMENT ELLSUP OR SACKS	INTERVALS				CIFICATIONS Weight			CASING OR TUBING TYPE
	(Cubic feet)	Left in well	For drilling	Used	New	.13 rsef	Grade	Size	
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Sizes									esh water sai
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		OFFICE	E USE ONLY						gnide
Perforations									ners
This part of Form IV-2(b) is to record the	dates of certain	occurrences an	nd any	follow	-up inspe	ections.		
		Date					1000	Date	(c)
		Bute		***************************************				Date	(8)
Application received			Follow-up	inspec	tion(s)			
		refundations are processed to be shown the transaction of the bridge of the con-	OFFICE USE						
Well work started		RMIT	DRILLING PI		,,				
801	7 danul 27					138-56	035-14	-73	rmit number
Completion of the drilling									
e with the pertinent is expected it of the pertinent is a second									
Well Record received	ll operator or his cont	in addition, the we	aw battler 199 and 1		,,				
		(.b.	ork has commence	w ballim	nal per	s before ac	r 24 hour	is inspecto	eg bus ho jon!
Reclamation completed	any modifications an	ation plan, subject to	n, plate and reclam	pplication	, bas	the Notice	scribed fi	rk is as de	e permitted wo
prosecuted with due diligence.	nrior to that date and r	work is commenced	few spelmin			273 B			erse hereof. rmit expires
OTHER INSPECTIONS		arrangemmos erarow i							non to a refuse state t
			Fee		Casin	Plat:		пас А	Bond:
			22.7		mond	riat.		Agen	T3MKA III
Reason:			1000		THE STATE OF	11 11 11			* A JANUAR DE
Reason:			2.3		177	191	100		13/11/01/10

File

1) Date: January 30

2) Operator's

Well No. KEM #162 3) API Well No. 47 - 035 -

1695-Re State County Permit

STATE OF WEST VIRGINIA

		NOTICE OF APPLICATION		
4) SU	RFACE OWN	ER(S) OF RECORD TO BE SERVED		COAL OPERATOR None
(i)	Name Ed	ra Simmons Summers		Address
	Address	Rt. 3	5 /::\	2017 017
		Ripley, WV 25271	5(11)	COAL OWNER(S) WITH DECLARATION ON RECORD
(ii)	Name			Name None
	Address			Address
(iii)	Name -			Name
	Address			Address
	_			COAL LESSEE WITH DECLARATION ON RECORD: Name None Address
				Auditess
		TO THE PERSON(S) NAMED ABOVE: You should	i have received th	nis Form and the following documents:
		(1) The Application for a Well Work		
		(2) The plat (surveyor's map) showin (3) The Construction and Reclamation plug a well), which sets out the reclamation for the site and acc	Plan on Form IV- plan for erosion cess road.	9)unless the well work is only to a and sediment control and for
		THE REASON YOU RECEIVED THESE DOCUME WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU ACTION AT ALL.	" ON THE DEVEDER	SIDE OF THE CODY OF THE ADDITION
		Take notice that under Chapter 22 of erator proposes to file or has filed this for a Well Work Permit with the Administrate Department of Mines, with respect to a we and depicted on attached Form IV-6. Copiconstruction and Reclamation Plan have bey hand to the person(s) named above (or before the day of mailing or delivery to	Notice and Applicator of the Office at the location es of this Notice en mailed by regis	cation and accompanying documents e of Oil and Gas, West Virginia n described on attached Application , the Application, the plat, and the stered or certified mail or delivered.
		6) - EXTRACTION RIGHTS		
		Check and provide one of the following:		FEB 1 6 1984
		Included is the lease or leases or of I hold the right to extract oil of The requirement of Code 22-4-1-(c)	other continuing of	contract or contracts by which
			1) G1100gii (4). (3	
		7) ROYALTY PROVISIONS Is the right to extract, produce or mar or other contract or contracts providir for compensation to the owner of the oil to the volume of oil or gas so extracte	ng for flat well r	royalty or any similar provision
		If the answer above is No, noth you may use Affidavit Form IV-60.		
		See the reverse side for line item the required copies of the Notice Reclamation Plan	instructions, and Application,	nd for instructions concerning plat, and Construction and

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by R. A. Pryce this L day of February My commission expires 8/30 1993

Notary Public, Jackson County, State of West Virginia

OPERATOR Kaiser Exploration and Mining Company

y R.A.Pa-	
Its General Manager	
Address P. O. Box 8	
Ravenswood, WV	26164
Telephone 304 273 5371	

09/08/2023

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-lb(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, 22-4-2a, and 22-4-2b.

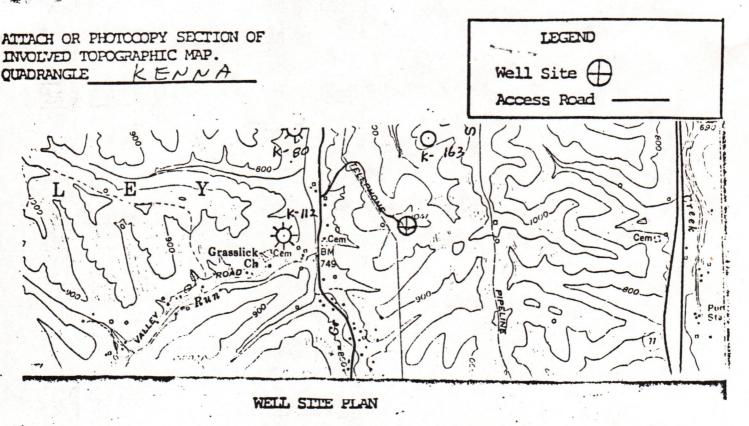
INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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-

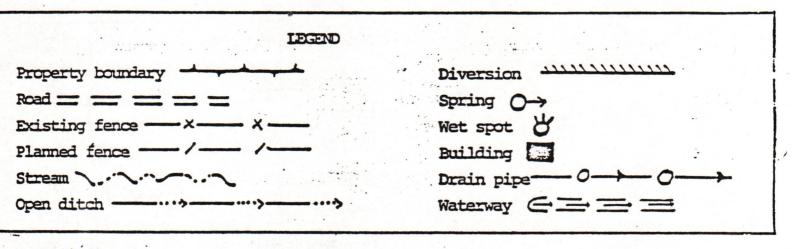
- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s)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

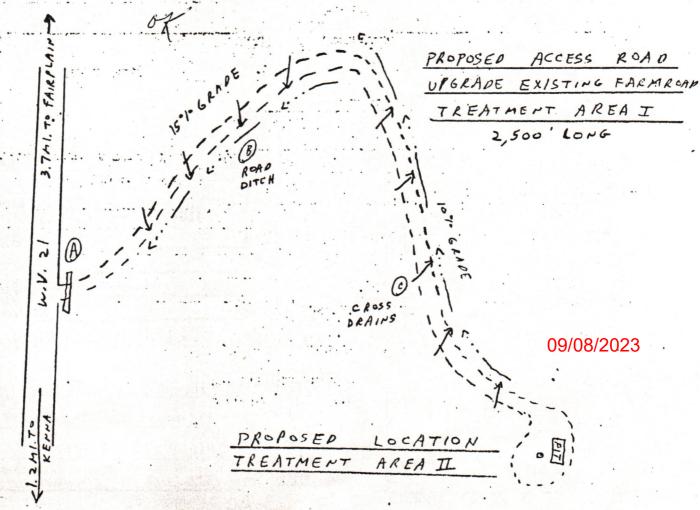
Edra Simmons Summers

Kaiser Exploration 1/8 of prevailing 156/212 and Mining Company field price



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





IV-9 (Rev 8-81)



DATE April 14, 1982
WELL NO. KFM #162

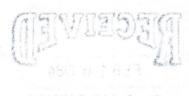
State of Mest Wirginia

API NO. 47-035- 1695-Re

Department of Mines
Oil and Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent) This plan has been reviewed by Judian SD. All corrections of additions become a part of this plan: (SD Agent) ACCESS ROAD ACCESS				
Telephone 273-5371 Telephone Revegetation to be carried out by kaiser Exploration and Mining Company This plan has been reviewed by John Sch. All corrections dedictions become a part of this plan: ACCESS ROAD ACCESS ROAD		A STATE OF THE PARTY OF THE PAR		
Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent: This plan has been reviewed by SCD. All corrections of additions become a part of this plan: (Apr 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		WV	Address	
Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent) This plan has been reviewed by Judian SD. All corrections of additions become a part of this plan: (SD Agent) ACCESS ROAD ACCESS			Telephone	
This plan has been reviewed by	Edra Summers		SOIL CONS. DISTRICT Wes	tern
ACTESS ROAD ACTES ROAD ACTESS ROAD ACTESS ROAD ACTESS ROAD ACTESS ROAD ACTES	Revegetation to be carried out by_	Kaiser Ex	xploration and Mining Comp	any (Agent)
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Page Ref. Marrial 2:7 Page Ref. Marrial DEPT. OF MINES Fricture Road Ditch (B) Structure (C) Structure Page Ref. Marrial APR 22 1907 Other Construction of Mines Winderstament of Mines Winderstament of Mines Ref. Marrial Page Ref. Marrial Page Ref. Marrial All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins. REVERSITATION Treatment Area I Be A Tons/acre or correct to pH tilizer 14.14.14 600 lbs/acre (10-20-20 or equivalent) the Hay 2 Tons/acre Rentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre Red Clover 8 lbs/acre Red Clover 8 lbs/acre Thocalate all legumes such as vetch, trefoil and clovers with the proper bactor was secuing for one structure and secuing secuing for one structure was secuing for one structur	ructure Culvert	(A)		1
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th Hay 2 Tons/acre d*81% Orchard Grass/15% Ryelbs/acre Kentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre Inoculate all legumes such as vatch, trefoil and clovers with the proper bacter/Acre/20% Thoulate with 3X recommended amount. This PREFARED BY Vincent W. Wood Ripley, WV 25271	tilizer 14 14 14 coo 11-/		Manual 191	
*81% Orchard Grass/15% Ryelbs/acre Kentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre Inoculate all legumes such as vatch, trefoil and clovers with the proper bacter/1008/20% The proper bacter/1008/20% **TIN PRIFARED BY Vincent W. Wood **TIN PRIFARED BY VINCENT W.	(10-20-20 or equivalent)		The state of the s	lbs/acre
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Red Clover 8 lbs/acre Inoculate all legumes such as vatch, trefoil and clovers with the proper bacter/108/202 CLES: Please remost information of protect with the proper bacter/108/202 CLES: Please remost information of protect with the proper bacter/108/202 CLES: Please remost information of protect with the proper bacter/108/202 CLES: Please remost information of protect with the proper bacter/108/202 CLES: Please remost information of protect with the proper bacter/108/202 ADDRESS 116 Pfost Avenue Ripley, WV 25271	(10-20-20 or equivalent) ch Hay 2 Tons/acce	a	(10-20-20 or eq	Tons/acre
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CTES: Please remost informant ADDRESS 116 Pfost Avenue Ripley, WV 25271	ch Hay 2 Tons/acre d*81% Orchard Grass/15% Ryelbs/acre Kentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre	e	(10-20-20 or eq	Tons/acre lbs/acrelbs/acrelbs/acre
cooperation to protect now season. ADDRESS 116 Pfost Avenue Ripley, WV 25271	(10-20-20 or equivalent) th Hay 2 Tons/acre 1*81% Orchard Grass/15% Ryelbs/acre Kentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre Inoculate all legumes such as vatch.	e	(10-20-20 or eq	Tons/acre
seculing for one growing season. Attach separate sheets as Ripley, WV 25271	(10-20-20 or equivalent) h Hay 2 Tons/acre 1*81% Orchard Grass/15% Ryelbs/acre Kentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre Thoculate all legumes such as vatch.	e trefoil	(10-20-20 or equal to the property of the prop	Tons/acre lbs/acrelbs/acrelbs/acre
seedling for one growing season. Attach separate sheets as Ripley, WV 25271	th Hay 2 Tons/acre 1*81% Orchard Grass/15% Ryelbs/acre Kentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre Inoculate all legumes such as vatch, sulate with 3X recommended emount.	e trefoil	(10-20-20 or equal to the property of the prop	Tons/acre lbs/acrelbs/acrelbs/acre
Attach separate sheets as	(10-20-20 or equivalent) th Hay 2 Tons/acre 1*81% Orchard Grass/15% Ryelbs/acre Kentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre Inoculate all legumes such as vatch, rulate with 3X recommended amount.	trefoil	Mulch Seed* and clovers with the proper	Tons/acre 1bs/acre 1bs/acre 1bs/acre bacter/108/20
ABCESSETY FOR COMMENTS. FECANE NO. 372-2709	(10-20-20 or equivalent) th Hay 2 Tons/acre 1-81% Orchard Grass/15% Ryelbs/acre Kentucky 31 Fescue 16 lbs/acre Red Clover 8 lbs/acre Inoculate all legumes such as vatch, sulate with 3X recommended amount.	trefoil	Mulch Seed* and clovers with the property Vincent W. Wood LOCATES 116 Prost Avenue	Tons/acre Ibs/acre Ibs/acre Ibs/acre Ibs/acre Ibs/acre Ibs/acre



OIL & GAS DOUSION DEPT. OF MINES

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Va COUNTY OF gaskion:
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 162 located in Riply District, Jackson County, West Virginia, upon the person or organization named
Edra S. Summers
on the 14 day of Feb. (1984 in the manner specified below.
- [COMPLETE THE APPROPRIATE SECTION]
For an individual: [Handing it to him / her x / 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 [] FEB 1 6 1984 [Signature of person executing services of the corporation
OIL & GAS DIVISION DIEKEN, Subscribed and sworn before me this 15 day of 7et, 1984. My commission expires Oct 28, 1993
(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE) 09/08/2023





SURFACE OWNER'S COPY



1)	Date: 10	nuary	20	, 19
2)	Operator's Well No.	EN #16	2	
3)	API Well No.	47	:13.	1 200
-,		State	County	Dormit

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

DELLE !!

APPLICATION	FOR	A	WELL	WORK	PERMIT

4)	WELL TY			/ Gas Production		/ Underground s	torage	/ Deep	_/ Shallow/)
5)	LOCATIO	N: Ele	evation:	1013		Watershed:		Creek	
		Dis	strict:	Ripley		County:	Jackson	Quadrangle:	Komm
6)	WELL OP	ERATOR	Kaise	r Explorat	ion &	Mining Co.	7) DESIGNATE	DAGENT D.	Pryce
	Address		P. O.	Sox 8			Address	Sare	
			Raven	swood, WY	2616	1			
8)	OIL & GA	S INSPEC	TOR TO	BE NOTIFIED			9) DRILLING C	CONTRACTOR:	
		Homer !	Doughe	rty			Name	lint Hurt	
	Address			Rt. Box 3A			Address	P. O. Box 3	PARTURET
		L	ooneyv	ille, HV				Elkview, WV	THE WELL A
10)	PROPOSE	D WELL	WORK:	Drill X	_/ Drill	deeper	/ Redrill	/ Stimulate	1
10,	T ROT COL					n/ Perfora			FEB 1 6 1984
				Other physical	change i	n well (specify)			
11)	GEOLOGI	CAL TAR	GET FOR	MATION.	evoni.	an Brown Sh	ale		OIL & GAS DIVISION
,	12) Estima	ated depth	of complet	ted well,	522	feet			
	13) Appro	ximate trat	a depths:	Fresh,		feet; salt,		feet.	DEPT. OF MINE
				oths:				ne area? Yes	/ No/
15)	CASING A								
	SING OR	11		CIFICATIONS		FOOTAGE II	NTERVALS	CEMENT FILL-UP	PACKERS
	BING TYPE	Gl	1	Weight per ft. New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
		Size	Grade	per It. New	Useu	To dining	Date in wen	(Cable reet)	Kinds
	ductor	10 3/	1.	X		250	250	150 sks clas	A to surface
	water	10 0/		1	-	6.20	6.30	100 363 6133	Sizes .
Coal		74	-	X	-	2397	2397	180 skg . 50/30	rgzmix
	mediate	4 1/	111	X		5221	5221	225 sks 50/9	Dêpths/set X
	uction	4 17	-	^	-	36.6.1	26.1.1	0.00 303 0070	Deputaser 17
Tubi			-		-				Perforations:
Line	rs			1	-				Top Bottom
		-							Top Bottom
					-				
		1							L
							11	- he issued in less than t	5 days from
		The	law requir	es a comment per	face own	artace owners. Howe	the following "Vo	n be issued in less than in bluntary Statement of No.	Objection"
						the Application.	the following vo	numary Statement of 140	Cojection
		On a racs	mine of th	ns surface owner	з сору от	потърменно			
				VC	LUNTA	RY STATEMENT O	F NO OBJECTIO	ON	
	I hereby sta	te that I ha	ive read th	e instructions to	surface ov	vners on the reverse s	ide of this Applica	ation for a Well Work P	ermit, and that I have received
copi	ies of (1) a N	otice of Ap	plication	for a Well Work	Permit on	Form IV-2(A), (2) a	n Application for a	a Well Work Permit on I	Form IV-2(B), (3) a survey plat
on I	Form IV-6, a	and (4) a C	Construction	on and Reclamati	on Plan o	on Form IV-9, all for	proposed well we	ork on my surface land	as described therein.
		ate that I ha	ave no obj	ection to the plan	ned work	described in these m	aterials, and I hav	e no objection to a perm	nit being issued based on those
mat	erials.								
(For	execution b	y corporat	tion, partr	nership, etc.)		(For	execution by natu	ural persons)	
1-01		,	P				_		,
NA	ME:					-	(edna)	A. Suma	Date: 2-14-84
	By							(Signature)	With the second

Date_

Date:

(Signature)



OIL & GAS DIVISION -DEFT. OF MINES



IV-35 (Rev 8-81)

State of Mest Birginia

Pepartment of Mines Gil und Gas Bivision

Date	Nov	ember	16,	198	34	- California
Opera	ator'	S				
Well	No.	KEM	#162	our and the state of the state		Lynn
Farm	Sim	mons	Summe	ers		
API I	vo. 4	7 -	035		1695	R

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Undergrou	/ Wast	e Disposal e/ Deep	/ / Sha	llow_ <u>x_</u> /)	
LOCATION: Elevation: 1013' Watershed Gr					
District: Ripley County Jackson			≧ Kenna		
	Section and the section of the secti				
COMPANY Kaiser Exploration and Mining Company				1	
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 P. O. Box 8, Ravenswood, WV 26164	Size				
SURFACE OWNER Edra Simmons Summers	20-16 Cond,				
ADDRESS Rt. 3, Ripley, WV 25271	10343664"	837	837	375 sks cl	ass
MINERAL RIGHTS OWNER Same	9 5/8	The state of the s			
ADDRESS	8 5/8			175 -1 - 50	150
OIL AND GAS INSPECTOR FOR THIS WORK Jerry	7	2449	2449	175 sks 50 100 sks cl	
Tephabock ADDRESSRt 1 Rox 101A Ripley, W	THE RESIDENCE OF THE PARTY OF T				
PERMIT ISSUED 3/27/84	4 1/2	4554	4554	225 sks 507	/50
DRILLING COMMENCED 10/10/84	3	Martin Martin Commission (Commission Commission Commiss			
DRILLING COMPLETED 10/16/84	. 2				
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used				
GEOLOGICAL TARGET FORMATION Devonian Brown Sh	ale	Dep	th 4303/	4507 feet	
Depth of completed well 4564 feet			•		
Water strata depth: Fresh N/A feet;					
Coal seam depths: N/A				e area? No) (
OPEN FLOW DATA	Drilled	on fluid	- not kn	own	l
Producing formation Devonian Brown Shale	Pay	v zone den	th 4303/	4507 feet	
Gas: Initial open flow 0 Mcf/d				ANTENNA PER	
* Final open flow 400 comming of d		nal open f	testprospelife	Bb1/d	,
Time of open flow between init		•	BUTTONIS OF THE PARTY AND PROPERTY AND PROPERTY AND PARTY AND PART	ours	
Static rock pressure 975 psig(surface					
(If applicable due to multiple completion		mercy area			
Second producing formation Berea Sandston		v zone der		08/2023 2683 feet	
				AND POPULATION OF THE PROPERTY.	
Gas: Initial open flow 0 Mcf/d * Final open flow 400 est. Mcf/d	Oil: Fi	nal open i	Flow	0 Bbl/d	
Time of open flow between init				ours	
Static rock pressure 875 psig (surface			Charles Company of Stranger		
* Open flows are commingled					
		Conti	irue on r	everse side.	/

FORM IV-35 (REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Young perforated the Lower Brown Shale with 19 holes (.39 dia) from 4303 to 4507'.

Young perforated the Berea Sandstone with 24 holes (.39" dia) from 2675-10/31/84 26831.

11/01/84

B.J. Hughes foam frac the Lower Brown Shale. Used 60,000# of 20/40 sand; 675 MSCF total nitrogen; 327 bbl total fluid.
B.J. Hughes foam frac the Berea. Used 60,000# of 20/40 sand; 687 MSCF total nitrogen; 334 bbl total fluid. 11/01/84

WELL LOG

		,		
FORMATION COLOR HA	RD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and ga
DRILLERS DEPTH (top hole not logg Sand and Shale Big Lime Big Injun Shale LOGGERS DEPTH Shale Coffee Shale Berea Sand Shale Brown Shale Shale Total Depth	ed)	2450 2660 2678 2689 3919 4508 4608	2125 2218 2260 2450 2678 2689 3919 4508 4608	S/g S/g @ 4336,4380

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

09/08/2023

Date: November 16. 1984

Note: Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including and, encountered in the drilling of a well." Permit No.

035 1695

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Oil or Gas Well

Company Kaiser Exploration	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	KERS
Address	Size				
Farm Simmons Summers	16			Kind of Pa	cker
Well NoKem 162	13			Size of	
DistrictCountyJackson	81/4			Size of	
Drilling commenced 10 9 84	65%			Depth set_	
Drilling completedTotal depth	5 3/16				
Date shotDepth of shot	3				m
Initial open flow/10ths Water in	Linera Hand				
Open flow after tubing/10ths Merc. in	Inch			Perf. botto	m
VolumeCu	. Ft. CASING CEME	NTED	SIZE	No. FT	Date
Rock pressurelbs	hrs. NAME OF SER	RVICE COMPA	ANY		
Oilbbls., 1st 24	hrs. COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh waterfeet	feetFEET.	INCI	HES	FEET	INCHES
Salt waterfeet	feetFEET.	INCI	HES	FEET	INCHES
					Remarks

Remarks:

Td 131/4 hole 863' Ran 24 jts 103/4 csg set 847kb Halliburton cement 375 sks neat 3%cacl 1/4 lb per sk flocele plug down 6"15 pm. 10 10 84

DISTRICT WELL INSPECTOR

10 10 8/

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

DISTRICT COUNTY	OMPANY	e 50		ADDRESS			1018
Illing Material Used Iner Location Amount Packer Location PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS INCREMENTATION OF THE PLACE OF THE PL	ARM						
Illing Material Used Iner Location Amount Packer Location PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS INTERPRETATION OF THE PLACED SIZE SIZE LOS INTERPRETATION OF THE PLACED SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE		4.13 F CAL	Jerg - Ta	gest a la la la		Jala T	
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PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS SIZE LOS SIZE							
CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS	The state of the s		nt Packer	Loc	ation		
	PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	
	CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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		The same transportation and the same		The second secon	Nerve two as the entropy were		
							Vi Li
		I hereby certify I visi	ted the above w	vell on this date.			
I hereby certify I visited the above well on this date.							

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Company Kaiser	r Exploration		CASING AND TUBING	USED IN DRILLING	LEFT IN	PA	CKERS
Address			Size				
Simn	mons/summers		16	er Commence of the Commence of		Kind of P	acker
Well No	Kem 162		13		El agrant	Size of	
	County_J&	ckson	81/4				
			65%			Depth set	
			5 3/16				
rilling completed	Total depth		3	3		Perf. top_	
ate shot	Depth of shot_		2			Perf. bott	com
nitial open flow	/10ths Water	inInch	Liners Used				
pen flow after tubing	/10ths Merc.	inInch				Peri. bott	tom
olume		Cu. Ft.	CASING CEME	NTED	SIZE	No. FT.	Date
lock pressure	lbs	hrs.	NAME OF SEF	RVICE COMPA	NY		
Dil	bbl	s., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
resh water	feet	feet	FEET	INCI	IES	_FEET	INCHES
Salt water	feet	feet	FEET.	INCE	IES	_FEET	INCHES
Drillers' Names							Kenneks
Hurt Rig #2	Archer						

10 % cacl 1/4 lb per sk flocele and 100 sks neat 3% cacl 1/4 lb per sk flocele.

should complete drilling today 10 15 84

plug down 4;15 pm 10 13 84.

DISTRICT WELL INSPECTOR

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

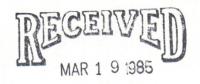
INSPECTOR'S PLUGGING REPORT

				W	ell No		
COMPANY			ADDRESS				

		1444.	136				
ation	Amou	ınt	Packer	Loc	ation		
ND DEPTH PLACED		BRIDGE	S	CASING	AND TU	BING	
WOOD-SIZE	LEAD	CONSTRUCTION	I-LOCATION	RECOVERED	SIZE	LOST	
1				1900			
	-						
					141		
			Life of the state of			to well in	
ray ro	A 400 MM	rans on a squar					
V41 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	27.1						
					00	L. Marie	
L. CTA	иворал е	World Land 4519	-3 -35				
2 II TOWY							
AND	Total Commence	The second second	Name of Education (N.A.) is a new consti-	Part of the second			
		30 tas 117 da		1			
01.4\1 15us		are out bee					
hereby certify I visi	ted the above	well on this date.					
			- Titleori			11 17 3	
	action ND DEPTH PLACED WOOD-SIZE	DISTRICT Pation Amount of the place of the	ADDRESS	ADDRESS DISTRICT CONSTRUCTION-LOCATION Amount Packer ND DEPTH PLACED BRIDGES WOOD-SIZE LEAD CONSTRUCTION-LOCATION Amount Packer WOOD-SIZE LEAD CONSTRUCTION-LOCATION Amount Packer Reference of the second	ADDRESS	ADDRESS	

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 035 1695			Gas Well			
Company kaiser	Exploration	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKE	RS
		Size				
Address		16			Kind of Packe	er
Farm Simmons	201200	13				
Well No		10			Size of	
District	County_Jackson	81/4				
Drilling commenced		6%			_ Depth set	
		5 3/16			Perf. top	
	Total depth	3			Perf. bottom.	
Date shot	Depth of shot	Liners Used			Perf. top	
Initial open flow	/10ths Water inInch	Liners Oseu			Perf. bottom	
Open flow after tubing	/10ths Merc. inInch					
Volume	Cu. Ft.	CASING CEM	ENTED	SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SE	RVICE COM	PANY		
	bbls., 1st 24 hrs.	COAL WAS E	NCOUNTER	ED AT	FEET	INCHES
		The same and the same and the same and			FEET	INCHES
	feetfeet					
Salt water	feetfeet	FEE_	TIN	CHES	FEET	ekingan N
5 W - 1 W						
Drillers' Names						
Remarks:						

7 17 85

will need some work in spring.

Just 20023INEPECTOR

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS .					
ARM	Andrews and the second	DISTRICT	COUNTY					
Commence of the control of the contr	333W 339	13.118	N-83					
illing Material Used								
iner Lo	cation	Amou	int	Packer	Loc	cation		
PLUGS USED AND DEPTH PLACED			BRIDO	GES	1	G AND TU	JBING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTI	ON-LOCATION	RECOVERED	SIZE	LOST	
200 05 7001				N. 4-1-1/12	1.50			
Tree to the second		Compact States Later - year						
and a Ling () to a "I		and an a Secretary Street		*		The same and the s		
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C	28.572	Mary and the						
	YEAMSON	E(87/22)					esse i i i i i i i i i i i i i i i i i i	
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illers' Names	and some sure							
	925000		1037					
CAST - Water as	ERNORY_	45.00	124		1465			
marks:						The second of	96 120 H K K)	
	nereby certify I visit	ed the above we	Il on this day					
DATE		ed the above we.	ii on this date.					

DISTRICT WELL INSPECTOS/08/2023



OIL & GAS DIVISION DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OFFICE OF OIL AND GAS CHARLESTON 25305 FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT

Company: KAISER EXP & MIN. CO

Farm: SUMMERS, EDRA SINHONS Well: KEM-162

Permit No. 47- 35-1695 County: JACKSON

,	Rule	Description	In Compliand Yes	No	
	25.04 25.03 16.01 15.03 15.02 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 Prepred before drilling to prevent waste High pressure drilling Required permits at wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strength Cement Type Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Fits No Surface or Underground Pollution Requirements for Production & Gathering Fi Well Records on Site Well Records Filed Identification Markings	X		•
``	Your w	INSPECTED THE ABOVE CAPTIONED WELL AND RE sell record was received and reclamation re sharter 22, Article 4, Section 2, the above se for the life of the well.	SIGNED GARAGE STATE BATE GARAGE STATE GUITEMENTS SPATOVED. Well will remain under Administra	Tahabah 4 83 In accordance r bund	
			June 19, 198 Date	35	

