#### FILE COPY



Date:	September	20,	1983	. 19	
		45-10-5-	cier Edward		

2) Operator's Well No. KEM #450

1)

3) API Well No. 47 - 035 - 1910

State County Permit

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

## APPLICATION FOR A WELL WORK PERMIT

4)						A Stranger	TION FOR A WI		- JEF /	36 1983
7,	WELL TY	PE: A	Oil	/ Ga	s	X /	NE HE ANY	NE CONDITIE	DILLICATIONS	BERMIT MO
		В (	If "Gas",	Production	1 X		/ Undergroun	d storage	Deep OIL & C	Shallow NX
5)	LOCATIO	N: El	evation: _	307			Watershed:	Mill Creek		MAINIFE
		D	strict:	Ripley			County:	Jackson	Quadrangle:	Ripley
6)	WELL OP				rati	on ar	<u>id Mining</u> Co	.7) DESIGNATE	DAGENT R. A.	Pryce
	Address		P. 0.	ATT MANAGEMENT OF THE PARTY OF				Address	Same	
			Ravens	wood,	WV	2616	<u> </u>			
8)	OIL & GA				FIED			9) DRILLING C		
	Name H				0.0	-		NameC	int Hurt	
	Address	Lin	aen Kt	., Box	3A,	Loon	eyville, WV		0. Box 388	
		Y							1kview, WV	- 1 W
0)	PROPOSE	D WELL	WORK:						/ Stimulate	
				Plug of	f old f	formatic	n/ Perfe	orate new formation	1/	
						Charles and Charle	in well (specify)	**		
							an Brown Sh	ale		
	12) Estima									
								lt,		
							Is c	oal being mined in th	e area? Yes	/ No
5)	CASING A	ND TUB	ING PROC	GRAM						
	SING OR BING TYPE		SPEC	IFICATIONS   Weight			FOOTAGE	INTERVALS	OR SACKS	PACKERS
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Cond	luctor									Kinds
resh	water	10 3/	4"		X		300 250	300 250	150 sks clas	A to surface
Coal									65 cke FO/FO	Sizes
nterr	mediate	7"			X		2332	2332	65 sks 50/50 100 sks clas	pozmix
Produ	uction						5112	5112		Depths set
ubin	ng	4 1/	2"		X		A TIME JASE	191430-5	225 sks 50/5	pozmix
iner	S									Perforations:
			-zaabas	seniems.	milei	d 208	BR 20909310.50	distress for setting	the record the	Top Bottom
		bist						918(		
137				- (	a)noid	pa/szai	OFFICE WAS	A		barrieros at algo
							OFFICE USE			
							DRILLING PI	ERMIT		betrate stow lie
			47-0	35-191	0				October	18, 19 83
erm	nit number_								The second of the second secon	ompletion of the dulin
erm	nit number_						halow is suideness	of permission grant	ed to drill in accordance	ce with the pertinent legal re
his	permit cover	ing the w	ell operato	r and well	locatio	on showi	i below is evidence	or permission grant		e with the pertinent legal le
his uire	permit cover	ct to the c	onditions c	ontained h	erein a	nd on th	e reverse hereof. N	otification must be o	iven to the District Oil	and Gas Inspector (Refer to
his uire	permit cover ments subject	et to the construction	onditions c	ontained hads, location	erein a	nd on the pits for	any permitted wor	otification must be a	iven to the District Oil	and Gas Inspector (Refer to
his uire o. 8	permit cover ements subject 8) Prior to the ct oil and ga	et to the construction in spector	onditions c ction of ros r 24 hours	ontained hads, location before act	erein a ons and ual per	nd on the pits for mitted was	any permitted wor work has commence	otification must be a k. In addition, the wed.)	viven to the District Oil ell operator or his cont	and Gas Inspector, (Refer to ractor shall notify the prope
his uire o. E istri	permit cover ements subject 8) Prior to the ct oil and ga	et to the construction of	etion of roser 24 hours	ontained hads, location before act	ons and ual per	nd on the pits for mitted was	any permitted wor work has commence	otification must be a k. In addition, the wed.)	viven to the District Oil ell operator or his cont	and Gas Inspector, (Refer to ractor shall notify the prope
his uire o. 8 istri	permit cover ments subjects 8) Prior to the ct oil and gas permitted wo	et to the construction of	etion of roser 24 hours	ontained hads, location before act	ons and ual per	nd on the pits for mitted was	ne reverse hereof. No any permitted work has commend on, plat, and recland	otification must be a k. In addition, the weed.) nation plan, subject to	viven to the District Oil ell operator or his cont o any modifications an	and Gas Inspector, (Refer to ractor shall notify the prope d conditions specified on th
his uire o. 8 istri	permit cover ments subject 8) Prior to the ct oil and gas permitted wo se hereof.	et to the construction of	etion of roser 24 hours	ontained hads, location before act	ons and ual per	nd on the pits for mitted was	ne reverse hereof. No any permitted work has commend on, plat, and recland	otification must be a k. In addition, the weed.) nation plan, subject to	viven to the District Oil ell operator or his cont o any modifications an	and Gas Inspector, (Refer to ractor shall notify the prope d conditions specified on th
his uire lo. & istri- he p evers	permit cover ments subject  8) Prior to the ct oil and gate permitted wo se hereof.  iit expires	et to the construction of	ction of roser 24 hours escribed in	ontained hads, location before act the Notice	erein a ons and cual per and A	nd on the pits for mitted was pplication	e reverse hereof. No any permitted work work has commend on, plat, and reclan unless we	otification must be a k. In addition, the weed.) nation plan, subject to	viven to the District Oil ell operator or his cont o any modifications an	and Gas Inspector, (Refer to ractor shall notify the prope d conditions specified on th
his uire lo. & istri- he p evers	permit cover ments subject 8) Prior to the ct oil and gas permitted wo se hereof.	et to the construction of	ction of roser 24 hours escribed in	ontained hads, location before act	ons and ual per	nd on the pits for mitted with pplication	ne reverse hereof. No any permitted work work has commence on, plat, and reclan unless we	otification must be a k. In addition, the weed.) nation plan, subject to	viven to the District Oil ell operator or his cont o any modifications an	and Gas Inspector, (Refer to ractor shall notify the prope d conditions specified on the
his uire lo. & istri- he p evers	permit cover ments subject  8) Prior to the ct oil and gate permitted wo se hereof.  iit expires	et to the construction of	ction of roser 24 hours escribed in	ontained hads, location before act the Notice	erein a ons and cual per and A	nd on the pits for mitted with pplication	e reverse hereof. No any permitted work work has commend on, plat, and reclan unless we	otification must be a k. In addition, the wed.) nation plan, subject to the work is commenced.	viven to the District Oil ell operator or his cont o any modifications an	and Gas Inspector, (Refer to ractor shall notify the prope d conditions specified on the prosecuted with due diligence

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

09/08/2023

dministrator, Office of Oil and Gas

Reason:





#### OFFICE USE ONLY

## DEPMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

TERVITI WE	Designation Va		bird		ns Party A		
		ershed 117 Greek	rpvP				S LOCATIC
<b>巴耳/////</b> [6]	_ blandod			in the fa	S. Janu	iiQ	
	AL.S. TREDA	ng Co.n designateb	total bas as	xploration.	deriser t	PERATOR	6) WELL OF
		Address	100000000000000000000000000000000000000		98 .0 .9		Addres
	VIRACIOR: Di Juni	9) DRHLLING COL Name 011		NOTIFIED		S daugi	AD & JIO - (8
	O. Pox 388 Wileyin	C. W. Address P. E.	Looneyvill		a. il nei	uid a	
	Sumulate		A Drill a deep		WORK:	LIJBW QE	O PROPOSI
		/ Perforate new Tournations		a Lia No gue			
		ucity)	change in weil (spin	Other physical c			
		wit Slidle	yonian Bro		GETFORM	ICAL TAR	
			3118				
		tion of the state			edepths : P	isti alamiko	
	Year						
				MA			
F-4C (CR88	COMMUNICATIVA	COOLAGESVIERVALS					CASUACION
	(Culiec test)	of New of that grilling					
ราธริชนะ อส่	les lo este del	TE 005 - 25	CUE			10 3/	
250	L						
X filizēd						The French	
		112   5112	e				notherten
nozaty v kinkog	775-575 '5075	OFFICE USE	ONLY	LexxIII	- to	1	2000
Petforations							
This part of Form IV-20	(b) is to record the	he dates of certain occurr	ences and any	follow-up in	spections.		
		Date				Date(	s)
							*
Application received		V IVO TRI	ollow-up inspec	ction(s)			
		NG PERMIT	DRIG	,,			
Well work started							
G 1.1' - C.1 - 1-'11'	Tedouct .						_ reduction tions
Completion of the drilli	ng		,,	,,			
process menined adjusting		evidence of promission granted	ran worden nwoda n d oorden all oo hi		a difimisconi	e was une so the	
THE THEFT IN THE PRESENCE AND PARTY AND PARTY.		fred work, in addution, inc well	lors, ceath alig	,,			
CONTRACTOR OF THE CONTRACTOR						as inspector	
well Record received							
well Record received						ork is as de	e permitted w
Reclamation completed	anv modifications an	d eciamation plan, subject to a	opheation, pi 🚜 an			ork is as de Ok	
Reclamation completed	any modifications and in to that there and in		opheation, pi 🚜 an			ork is as de	
Reclamation completed	any modifications and in to that there and in	d eciamation plan, subject to a	opheation, pi 🚜 an		cribed in the		ntur expires
Reclamation completed	any modifications and in to that there and in	d eciamation plan, subject to a	opheation, pi 🚜 an		cribed in the	ork is as de	e permitted w verse horeof month expues

see the reverse side of the APPLICANT'S COPY for instructions to the well operator.



		State	County	Permit
3)	API Well No.	47		
2)	Operator's Well No	KEM	#450	
1)	Date: Sel	otembe	er 20, 1983	_, 19

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

#### APPLICATION FOR A WELL WORK PERMIT

4) WELL TY	PE: A	Oil	/ Ga	as	X					
5) LOCATIO	B i	(If "Gas",	Production	n	X	/	Underground	storage	/ Deep	_/ Shallow/)
3) LOCATIC	IN: E	istrict:	907				Watershed: _	Mf11 Croe	k	Ripley
6) WELL OP	ERATOR	Wadan	Riple	у	,		County:	7) DESIGNATE	Quadrangle: _	Ripley
Address		Naise	r expr	orat	ton a	na	Mining Co	Address	DAGENI	. Pryce
		F. V.	DUA U			C 0		Address	Same	
8) OIL & GA	S INSPEC	CTOR TO	BE NOTIF	FIED	201	04		9) DRILLING CO	ONTRACTOR.	
Name								Name		
Address	14	nden D	t Day	. 20	100	10 e) e	ville, WV	Address	n o per 200	
	-1	5143 E14	u., 007	x or	1, 100	ney	ALLIE, MA		P. U. DOX 355	
10) PROPOSE	D WELL	WORK:	Drill	v	_/ Dri	11	deeper	/ Redrill	/ Stimulate	,
			Plug of	fold	formatic	n	/ Perfor	ate new formation	/ Stimulate/	
			Other pl	nysical	change	in w	ell (specify)			
11) GEOLOGI	CAL TAR	GET FOR	MATION,		Davian	4	Once Ch			Residence of the second
12) Estima	ted depth	of complet	ed well, _		51	19	feet	ale		
13) Appro	ximate tra	ta depths:	Fresh,			- Control	feet; salt	,	feet.	
14) Appro									area? Yes	/ No
15) CASING A	ND TUB	ING PROC	GRAM							
CASING OR TUBING TYPE		SPEC	IFICATIONS Weight			1	FOOTAGE II	NTERVALS	CEMENT FILL-UP	PACKERS
	Size	Grade	per ft.	New	Used		For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor										Kinds
Fresh water	10 3	1 7 21		×			250	200 spin	350 oka 03-	n 8 da austria
Coal				**			200	200	150 sks cla	Sizes Sizes
Intermediate	7"			X			2332	2332	65 sks 50/5	pozmix
Production Tubing							5112	5112	100 SKS CIA	Depths set
Liners	4 1,	/2"		X					225 sks 50/	O posmí v
Zinero										Perforations:
										Top Bottom
The undersigned	of this Ap	The follow who has re days of the location. I location. In to the wo	operator, of by Code §2 y the Depa ing waiver corded a de filing of t	must eclara he Ap	wner(s), a must be at.  be comption under polication	and offiled leted er Co	by the coal ope de §22-4-20, if t	rator and by any cohe permit is to be is	ny objection they wish in fifteen (15) days after hal owner or coal lesse sued within fifteen (15)	r the receipt
Oate:			, 19				By	1 / hours		
							Its			





DATE September 12, 1983

# State of Mest Airginia

Bepartment of Mines Bil und Gas Bivision

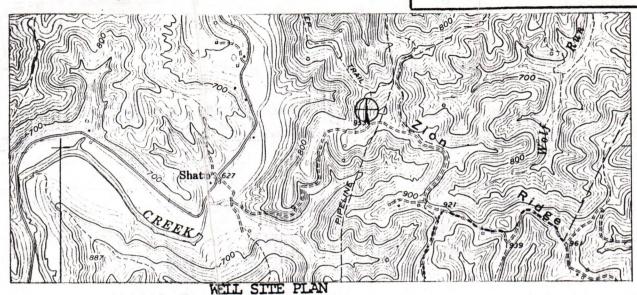
## CONSTRUCTION AND RECLAMATION PLAN

WELL NO.	KEM #450
API NC.	47-1035-1910
	1 1 G G G WER

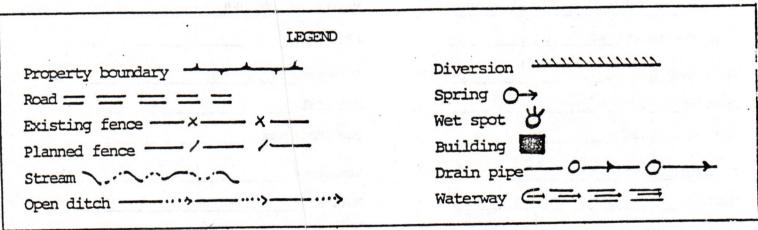
COMPANY NAME Kaiser Exploration and Maddress P. O. Box 8. Ravenswood	WV	Address Same Same	MINE
Telephone 273-5371		Telephone	MINE
LANDOWNER J. B. Heilman heirs		SOIL CONS. DISTRICT Western	,
Revegetation to be carried out by	(aiser E		(Agent)
This plan has been reviewed by	/	lestem SCD. All correct	
and additions become a part of this pl	an:	S. + 11 19 83	CLONS
and distributed about the part of this pa	0	(Date)	
	In	arme W. Hughes	
	Santa e	(SCD Agent)	
ACCESS ROAD		LOCATION	
Structure Drainage Ditch	(A)	Structure Diversion Ditch	(1)
Spacing Earthen		Material Earthen	
Page Ref. Manual 2:12		Page Ref. Manual 2:12	
tructure Road Culvert	(B)	Structure	(2)
Spacing 16" diameter	16	Material	
Page Ref. Manual 2:7		Page Ref. Manual	ti ya t
tructure Cross Drains	(C)	Structure	(3)
spacing 135'		Material	
Page Ref. Manual 2:4		Page Ref. Manual .	
commercial timber is to be cut and cut and removed from the site before	stacked	ork begins.	,
Treatment Area I		Treatment Area II	
ime4 Tons/acc	ne .		ma /a
or correct to pH		or correct to pH	ns/acre
ertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent)	2	Fertilizer 1h (10-20-20 or equivalent	s/acre
ulch Hay 2 Tons/ac		MulchTo	ns/acre
eed*81% Orchard Grass/15% Rydbs/acre		Seed*lb	s/acre
Kentucky 31 Fescue 161bs/acre		lb	s/acre
Red Clover 81bs/acre	•	lb	s/acre
*Inoculate all legumes such as vetch noculate with 3X recommended amount.	, trefor	l and clovers with the proper bacte	rium.
	==:v =	REPARED BY Vincent Wood OC	<del>)/08/2</del> 023
		1777707 116 DC + 1	
GODES: Please request landowners'		ADDRESS 116 Pfost Avenue	
seedling for one growing season.  Attach separate sheets as		Ripley, WV 25271	

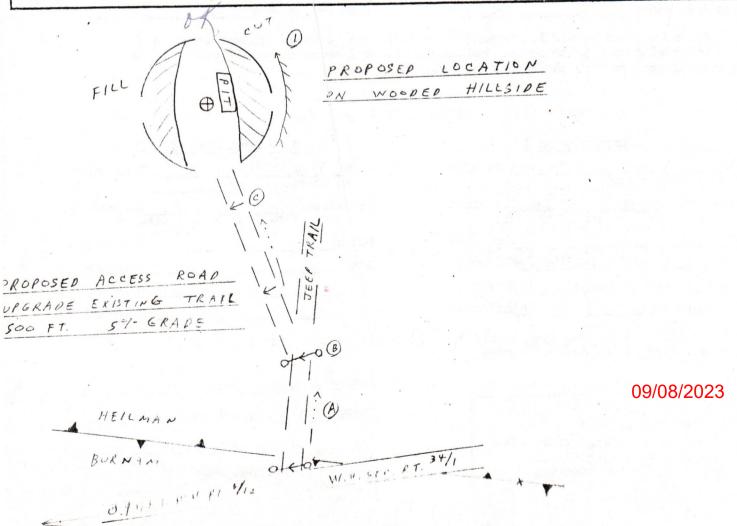
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE RIPLEY

Well Site Access Road —



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.





-

1)	Date:	September	20	
-,				

2) Operator's

Well No. KEM #450 3) API Well No. 47

State County Permit

13 83

#### STATE OF WEST VIRGINIA DEPARIMENT OF MINES, OFFICE OF OIL & GAS

	NOTICE OF APPLICATION F	FOR A WELL WORK PERMIT
4) St	JRFACE OWNER(S) OF RECORD TO BE SERVED	5(i) COAL OPERATOR None
(i) (ii)	Name Eunice Heilman Address 306 Church Street Ripley, WV 25271 Name James R Heilman, Jr. Address 212 West Street	Address
(iii)	Ripley, WV 25271  Name Mary Jo Heilman McCoy Address 6353 57th Avenue  St. Petersburg, FL 33709  Charles B. Heilman 3193 Sumner Avenue Huntington, WV 25705	Name
	(1) The Application for a Well Work Per to be plugged, which sets out the and describes the well and its loc cementing program; (2) The plat (surveyor's map) showing (3) The Construction and Reclamation E plug a well), which sets out the preclamation for the site and access THE REASON YOU RECEIVED THESE DOCUMENT	Plan on Form IV-9 )unless the well work is only to plan for erosion and sediment control and for

(FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain civary). by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator. 

#### 6) EXTRACTION RIGHTS

Check and provide one of the following:

County,

☐ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.

The requirement of Code 22-4-1-(c)(1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

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 21 day of September, 1983	2.
My commission expires 8/30 , 1993	3.
Comme Comme	

Notary Public, Jackson

State of West Virginia

OPERATOR Kaiser Exploration	and Mining Company
By K.A.P.	
Its General Manager	
Address P. O. Box 8	
Ravenswood, WV	26164
Telephone 304 273 5371	

DIVISION

172/164 172/191 172/158

field price 1/8 of prevailing 1/2/161 and Mining Company Kaiser Exploration

Lunice Heilman et al

Grantor, lessor, etc. Grantee, lessee, etc.

Rovalty Book Page

the oil or gas are as follows: contract(s) by which the Applicant claims the right to extract, produce or market

(2) the parties and recordation data (if recorded) for lease(s) or other continuing

Construction and Reclamation Plan; applies, partly or wholly depicted in the accompanying plat, and described in the (I) the tract of land is the same tract described in the Application to which this Notice I depose and say that I am the person who signed the Notice for the Applicant, and that--Under the oath required to make the verification on the obverse side of this Notice,

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

with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2b. Service. In addition, service must be made on the surface owner(s) and the person(s)

and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the cwner of any water well on dwelling within 200 feet of the proposed well. 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-la(c) by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-lkb and Regulation the forms prescribed by Regulation 12, or in lieu thereof the other security allowed panied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of copies of the Motice and Application must be filed with the Administrator, accom-Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required

#### CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

7) See Code § § 22-4-11(d, e).

provided below. tinuing contract(s), the Applicant may fill out the information in the space

See Code § 22-4-11(c). However, in lieu of filling the lease(s) or other con-

See Code § 22-4-20. (III' III)

corporation that proposes to or does operate a coal mine.

"Coal Operator" means any person, firm, partnership, partnership association or (T) S

in such lands".  $\infty$ -owners of interest described in subsection (a) of this section hold interests

see also Code § 22-4-lb(b) if "more than three tenants in common or other

Surface owner(s) of record to be served with Notice and Application. However,

4) & 5) Use separate sheet if necessary.

To be filled out by the Office of Oil & Gas.

Your well name and number.

1) Date of Notice.

CONCERNING THE LINE ITEMS:

INSTRUCTIONS TO APPLICANT

Keverse (A) S-VI mioi

# RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse) SENT TO Charles B. deulman STREET AND NO. 31Q 3 Summer are P.O., STATE AND ZIP CODE STAGE 25705 \$ CERTIFIED FEE \$ SPECIAL DELIVERY \$ RESTRICTED DELIVERY \$ SHOW TO WHOM AND DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY SHOW TO WHOM, DATE AND DELIVERY SHOW TO WHOM, DATE DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE ADDRESS OF DELIVERY SHOW TO WHOM AND DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE ADDRESS OF DELIVERY

		P	2	<b>261</b> 531 (	013					
450	EC	NO I	NSU IOT F	FOR CERTIFICATION ALMA (See Reverse)	VIDED—					
- Karm	STREETIND NO.  ZIZ West Street  P.O. STATE AND ZIP CODE									
3	200	STAC	GE P	ley. WU	25271					
3		CE	RTIF	IED FEE	¢					
3	FEES			ECIAL DELIVERY	¢					
J	STER FOR	LT POSTMASTER FOR IONAL SERVICES	SERVICES	SERVICES	SERVICES	SERVICES	FOR	SERVICE	STRICTED DELIVERY SHOW TO WHOM AND DATE DELIVERED	¢
o a gw	POSTMAS						RECEIPT SER	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢	
0	CONSULT		IRN REC	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢					
US	2		RETU	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢					
r. 197				TAGE AND FEES	\$					
PS Form 3800, Apr. 1976	PO	STM	ARK	of Date Coop						
PS Form 3800				TASNANA)						

# P 261 531 012 **ECEIPT FOR CERTIFIED MAIL** NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse) Eunice Heilman CONSULT POSTMASTER FOR FEES CERTIFIED FEE SPECIAL DELIVERY RESTRICTED DELIVERY RETURN RECEIPT SERVICE OPTIONAL SERVICES SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY TOTAL POSTAGE AND FEES PS Form 3800, Apr. POSTMARK OR DATE

				261 531 (	14 ED MAIL				
American		NO	INS NOT	URANCE COVERAGE PRO FOR INTERNATIONAL M (See Reverse)	VIDED—				
2	SENT TO Mary Jo Helman McCoy STREET AND NO.								
Compa	P.O	STA		Peterslyg. 33709	\$ 57				
CK	R FEES		SF	PECIAL DELIVERY	¢				
08	ASTER FOR	SERVICES	SERVICE	SHOW TO WHOM AND DATE DELIVERED	¢				
4	T POSTM/	OPTIONAL SER	RECEIPT SEI	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢				
Y	CONSUL	OPTIC	ETURN RE	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY SHOW TO WHOM, DATE AND	¢				
916			-	ADDRESS OF DELIVERY WITH BESTRICTED DELIVERY	¢				
Apr. 1		STM		OR DATE	\$				
n 3800,		1	0/2	× 45 / 50					
PS Form 3800, Apr. 1976	,		1	MENS	00/0	8/2023			

RECEIVE	
DEC 1-3 1984  OIL & GAS DIVISION	
TVOS PT. OF MINES	1
$M \perp \Omega$ .	1



State of Mest Airginia

Bepartment of Mines Bil und Vas Division

Date	May 21, 1984
Operator Well No.	
Farm	Heilman heirs
APT NO	47 - 035 - 1910

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

IOCATION: Elevation: 907' Watershed		Mill Cree	k	
District: Ripley County Ja	ckson	Quadrangle	e Rip	ley
•				
COMPANY Kaiser Exploration and Mining Company				515
ADDRESS P.O. Box 8, Ravenswood, WV 26164	Casing	Used in	Left	Cement
DESIGNATED AGENT Robert Pryce	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS P.O. Box 8, Ravenswood, WV 26164	Size			6 - A / 18 G
SURFACE OWNER J. B. Heilman heirs	20-16 Cond.			
ADDRESS J.B. Heilman, 212 West St., Ripley, WV	10,3/4"		299'	200 sks C1
MINERAL RIGHTS OWNER J.B. Heilman heirs	9 5/8		200	3% CaCT 1/4#/sk ce
ADDRESS 212 West Street, Ripley, WV 25271	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Jerry	7		2331'	150 sks 50 10% salt.1
Tephabock ADDRESS Rt. 1. Box 101A. Ripley	5 1/2		2% C2C1	10% sks CC 100 sks CC 200 sks 50 pozmix 10
PERMIT ISSUED	4 1/2		4435'	200 sks 50
DRILLING COMMENCED April 25, 1984	3			12.5#/sk g
DRILLING COMPLETED May 2, 1984	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Devonian Br	own Shale	Dep	th 4385	KB feet
Depth of completed well 4445' KB feet				
Water strata depth: Fresh N/A feet;	Salt N/	A feet		
		A feet being mine	ed in the	area? NO
Water strata depth: Fresh N/A feet; Coal seam depths: N/A			ed in the	area? NO
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  OPEN FLOW DATA	Is coal	being mine		
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  OPEN FLOW DATA  Producing formation Devonian Brown Sha	Is coal	being mine	t <b>h</b> 4280	)' KB <b>feet</b>
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  OPEN FLOW DATA  Producing formation Devonian Brown Sha Gas: Initial open flow 10 Mcf/d	Is coal	being mine y zone depo	th 4280	0 Bbl/d
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  OPEN FLOW DATA  Producing formation Devonian Brown Sha Gas: Initial open flow 10 Mcf/d  *Final open flow 974 Mcf/d	Is coal  le Pay Oil: In:	being mine y zone depo	th 4280 flow	0 Bbl/d
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  DPEN FLOW DATA  Producing formation Devonian Brown Sha Gas: Initial open flow 10 Mcf/d  *Final open flow 974 Mcf/d  Time of open flow between init	Is coal  le Pay Oil: In:  Fir ial and f:	zone depitial open final tests	flow	O'KB feet O Bbl/d Bbl/d
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  DPEN FLOW DATA  Producing formation Devonian Brown Sha Gas: Initial open flow 10 Mcf/d  *Final open flow 974 Mcf/d  Time of open flow between init Static rock pressure 825 psig(surface	Is coal  le Pay Oil: Indi  Fin ial and fine measurer	zone depitial open final tests	flow 0 4 ho	O'KB feet O Bbl/c Bbl/c ours urs shut in
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  DPEN FLOW DATA  Producing formation Devonian Brown Sha Gas: Initial open flow 10 Mcf/d  *Final open flow 974 Mcf/d  Time of open flow between init Static rock pressure 825 psig(surface) (If applicable due to multiple completion)	Is coal  le Pay Oil: Infi  Fir ial and fi e measurer	zone depositial open final tests	flow 0  4 ho  72 hou	O'KB feet  O Bbl/c  Bbl/c  ours  urs shut ir
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  DPEN FLOW DATA  Producing formation Devonian Brown Sha Gas: Initial open flow 10 Mcf/d  *Final open flow 974 Mcf/d  Time of open flow between init Static rock pressure 825 psig(surface	Is coal  le Pay Oil: Infi  Fin ial and fi e measurer ) tone Pay	zone deponitial open final tests ment) after	flow 0  4 ho  72 hou  10 2582	O'KB feet  O Bbl/c  Bbl/c  ours  urs shut ir  O8/2023  KB feet
Water strata depth: Fresh N/A feet; Coal seam depths: N/A  Producing formation Devonian Brown Sha Gas: Initial open flow 10 Mcf/d  *Final open flow 974 Mcf/d  Time of open flow between init Static rock pressure 825 psig(surface) (If applicable due to multiple completion) Second producing formation Berea Sands	Is coal  le Pay Oil: In: Fir ial and f: e measurer	zone depositial open final tests ment) after	flow 0 flow 0 4 ho 72 hou th 2582	O'KB feet  O Bbl/c  Bbl/c  Ours  urs shut ir  O8/2023  KB feet

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

5/08/84 Young's Wireline Perforated the Brown Shale with 20 holes (.41" dia) from 4149' to 4410' KB.

NOWSCO & Halliburton foam fractured the Brown Shale. Breakdown pressure: 1900 psig Treated with 75% Quality foam at 2311 psig. Used 60,000 lbs 20/40 sand; total Nitrogen was 700 mscf; total sand laden fluid was 262 bbls; total fluid was 332 bbls; ISIP: 1500 psig and 5 min SIP was 1260 psig.

5/09/84 Young's Wireline perforated the Berea with 18 holes with(.39" dia) 3 holes/ft from 2585' - 2579'.

5/09/84 NOWSCO & Halliburton foam fractured the Berea. Breakdown pressure: 1840 psig; Treated at 1060 psig. Used 60,000 lbs of 20/40 sand. Total Nitrogen: 700 mscf. Total sand laden fluid: 262 bbls; total fluid: 335 bbls; ISIP: 1550 psig. 5 min SIP: 1460 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 Sand Shale Sand Siltstone and Shale Sand Siltstone and Shale Little Dunkard Sand Sand and Shale Salt Sands Big Ling (Greenbrier) Big Injun Shale Coffee Shale Berea Sand Shale Brown Shale Shale Total Depth	0 200 247 285 300 367 433 666 707 807 862 1292 1386 1890 2040 2110 2202 2556 2580 2588 3825 4414 4495	200 247 285 300 367 433 666 707 862 1292 1386 1890 2040 2110 2202 2556 2580 2588 3825 4414 4495	S/g S/g @ 3147, 3650 S/g @ 3852, 3966

(Attach separate sheets as necessary)

KAI:	SER EXP	LORA	AITON	AND	MINING	COMPANY	V
ву: Г	100	-	THE SHAPE	_	_		09/08/2023
Date:	June	18,	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 wal, encountered in the drilling of a well."

# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

## INSPECTOR'S WELL REPORT

			CASING AND	USED IN	LEFT IN	PACK	FDS
Company Kaiser	Exploration		TUBING	DRILLING	WELL	-	ERS
Address			Size				
Farm_ Kem 45	0		16			Kind of Pac	ker
Well No			13				
	The April 100 control of the Section of		10			Size of	
District	County_Ja	ckson	81/4			-	
Drilling commenced 4	25 84		65%		×6	Depth set_	* .
2			5 3/16				
Drilling completed	Total depth		3			Perf. top	
Date shot	Depth of shot		2			Perf. bottom	1
Initial open flow	/10ths Water	inInch	Liners Used			Perf. top	
	• .					Perf. bottom	1
Open flow after tubing			A STEEL STATE OF THE STATE OF T				
/olume		Cu. Ft.	CASING CEMEN	NTED	SIZE	No. FT	Date
lock pressure	lbs	hrs.	NAME OF SER	VICE COMPA	NY		
)il	bbls	. 1st 24 hrs.	COAL WAS EN	COUNTERED	ΑТ	reer	INCHES
		energia de Reconstruir de					
resh water	feet	feet	FEET_	INCH	ES	FEET	INCHES
alt water	feet	feet	FEET_	INCH	ES	FEET	INCHES
anilland Manager							
Prillers' Names							
Hurt R	iig #\$4						

4 26 84 Ran 299' set 309' 103/4 csg cement nosccoe 250 sacs class a.

4 26 84

DATE

Form 26 2/16/82

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION

# REPORT OF MINES

Permit No		1	IAS ELECTRON STREET	Wei	II No					
OMPANYADDRESS										
'ARM	RMCOUNTY									
illing Material Used		Life CWA								
iner Loc	ation	Amount	Packer	Location						
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING				
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	Los				
				-						
			man a transmit of the state of							
		.oansamm	1915 PATE - 1916 DATE - 1916							
	1 1,4340	) 101 A183 K								
			-			-				
rillers' Names					and the second of the second second					
emarks:	agram III biy melak		and the second s	en al active a decidio						
DATE	hereby certify I w	risited the above	e well on this date.							

Permit No. 035 1910

#### 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\_

			(KII	101	
CompanyKaiser Exploration	CASING AND TUBING	USED IN DRILLING	LEFT IN	PAC	KERS
Address	Size				
Farm	16		95	Kind of Pac	cker
Well NoKem 250	13			Size of	
DistrictCounty_ Jackson	81/4			Size oi	
Drilling commenced	65%			_ Depth set_	
Drilling completedTotal depth	5 3/16			Perf. top	
Date shotDepth of shot	2			Perf. bottor	
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. bottor	n
VolumeCu. Ft.	CASING CEMEN	NTED	_SIZE	No. FT	Date
Rock pressure lbs. hrs.	NAME OF SER	VICE COMPA	NY		
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water <u>feet</u> feet	FEET_	INCH	ES	_FEET	INCHES
Salt waterfeetfeet	FEET_	INCH	ES	_FEET	INCHES

Remarks:

Ran 2341 feet 7'' csg cement NOSCOE 150 dacs 50/50 pox 1/4 lb persac selflake plus 100 sacs class A neat plus 3% cacl and 1/4lb/sac selflake plug down 11;30 pm 4 29 84

4 30 84

Hurt Rig #2

Jen 7 09/08/2028

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

# INSPECTOR'S PLUGGING REPORT

DISTRICT	OMPANY						
CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOCALING CONSTRUCTION-LOCALING CONS							
THING Material Used	FARM	The second secon	DISTRICT.	C	OUNTY		
PLUGS USED AND DEPTH PLACED  BRIDGES  CASING AND TUBING  CEMENT-THICKNESS  WOOD-SIZE  LEAD  CONSTRUCTION-LOCATION  RECOVERED  SIZE  LOI  CONSTRUCTION  RECOVERED  SIZE  LOI  C	Filling Material Used		338				
CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS  CHIENT-THICKNESS WOOD-SIZE LOS  CHIENT-THICKNE		eation	Amount	Packer	Location		
rillers' Names	PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
rillers' Namesemarks:	CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
rillers' Names						- '	
rillers' Names							
rillers' Names							
rillers' Namesemarks:							
rillers' Names					-		-
rillers' Names							
rillers' Names							
marks:		•					
emarks:			CONTRACTOR OF WHICH AND IN		-		
emarks:							
emarks:					1 1 2 2 2 1 2 1	52 1 2 7 1	
emarks:		12,4,08863					
emarks:							Manager garage and success
emarks:							
emarks:	rillers' Names			en de la			
			enter un deutschen der untersteden unterhein der und der eine der der eine der eine der eine der eine der eine		and the second s	en Contactional de Language en la contraction de	
	emarks:						
					11		
					: 11		

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



## INSPECTOR'S WELL REPORT

Permit	No.	035	1910

Oil	10	Gas	Well
(	KIN	DI	

Company Kaiser Exploration		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACI	KERS
Address		Size	and the second			
FarmCole		16			Kind of Pac	eker
	Kem 536	13				
	County_ Jackson	81/4			Size of	
Drilling commenced	•	65/8			Depth set_	
	Total depth	5 3/16				
	Depth of shot	3			Perf. top Perf. botton	
	/10ths Water inInch	Liners Used			Perf. top	
	/10ths Merc. inInch				Perf. botton	n
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock prescure	lbshrs.	NAME OF SERVICE COMPANY				
0:1	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
	feetfeet	FEET_	INCH	ES	FEET	INCHES
Salt water	feetfeet	FEET_	INCH	ES	_FEET	INCHES
Drillers' Names			The control of the classical disputation and of the control of			Caradianensessanian-CARAMINIS
ZCIS ITBIIICS						
2 1						

Remarks:

Ran 107 jts 41/2 csg Set 4344' Cement BJ Hughes 175 sacs 50/50 poz plus 10% salt 121@2 lb per sac Gibsonite. TD 4365' 11:00am 5 2 84

2 84 Jungs

09/08/2023

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

# INSPECTOR'S PLUGGING REPORT

OMPANY	PANYADDRESS					
ARM		DISTRICT.	the state of the s	COUNTY		
lling Material Used	are and are	397 (1986) 3873 (1986)			53.	
ner Loc	ation Amount		Packer	Location  CASING AND TUBING		
PLUGS USED AND DEPTH PLACED			BRIDGES			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	Los
,						-
	•					
			- Marie Village   180			Militar Probabilitation angles de visidos
		. Miles are to				Name and Associated States and Associated St
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						Migrigotyckii na ninderoene
			V 10-10 10 10 10 10 10 10 10 10 10 10 10 10 1			tocord-trigungly-r-to-ros-o-e-e
illers' Names						
Traines						
marks:	e ga katina in Salamaha seperti	aceta and that have	The second secon			Blander (Michigan et al., 1944)
			vii, opiij pts. tog 9			

MACA ALCONOMICA CONTRACTOR



# State of West Virginia

# Department of Mines Gil and Gas Division Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT



COMPANI	Varger Exproracton	PERMIT NO 055 1910		
	P. O. Box 8	FARM & WELL NO	Kem 450 Hielman	
	Ravenswood, WV 26164	DIST. & COUNTY	Jackson	
		IN	COMPLIANCE	
RULE	DESCRIPTION	YES	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 Prepared before Drilling to F 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 Reclaimed Drilling Pits No Surface or Underground Pol Requirements for Production & Well Records on Site Well Records Filed Identification Markings	ng Work X Prevent Waste X  X X X X X X X X X At Waste X At Uation X		
Your wel	NSPECTED THE ABOVE CAPTIONED We have a second was received and recluster 22, Article 4, Section 2,	DATE DATE appro	Zephalor 20 84 oved. In accordance	
	for the life of the well.	Administrator-O	il & Gas Division	
		DATE		

