FILE COPY



)	Date:_	June	20	, 19	84
1	Operato	or's			

Well No. KEM #596

3) API Well No.

47 - 035 - 1983

State County

Permit

STATE OF WEST VIRGINIA

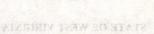
			I	DEPARTME	NT OF MINES, OIL	AND GAS DIVISION	ON	
				APPLICA	ATION FOR A WEL	L WORK PERMIT		
4) WELL TY 5) LOCATIO	B (I	If "Gas", levation:	Production 746	X	/ Underground s Watershed:	Right Fork	_/ Deep of Sandy Cre	Shallow X ek (036i) Liverpool 439
6) WELL OP Address	ERATOR	Kaiser P. O.	Explor Box 8		nd Mining Co.	.7) DESIGNATED		Pryce
8) OIL & GA Name Address	s inspections of the second se	ephabo	BE NOTIFI	ED		9) DRILLING CO Name <u>Clir</u> Address		
0) PROPOSE			Other phy	old formati	on/ Performin well (specify)	ate new formation_	/ Stimulate/	JUL - 9 1984
12) Estim13) Appro	ated depth eximate trans eximate coa	of complet ta depths: il seam dep	ed well, Fresh, oths:	246,	ian Brown Sha 4 feet 600 feet; salt Is co	1	feet. area? Yes	DEPT. OF MI
CASING OR TUBING TYPE	Size	SPEC Grade	Weight per ft.	New Used	FOOTAGE I	NTERVALS Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor Fresh water	10 3/	4"		Х	2700'	Beam	cla	ss A to surface
Intermediate Production Fubing	7" 4 1/	2"		X	2466 4444	2466 4444	65 sks 50/5 100 sks cla 225 sks 50/	
Liners		ections.		oliu viia	December 360 a	Herro to strate.	Hibroon or el co	Perforations: Top Bottom
0 (2	Ans.C					Block		
			AC AC	THE HORD H	OFFICE USE (Application received:
ermit number_	47	-035-1	983	4	DRILLING PE —		July 26,	
uirements subj	the construgas inspectory	conditions ction of ro or 24 hour	contained he ads, location s before action the Notice	erein and on ns and pits found ual permitted	the reverse hereof. No or any permitted work I work has commence tion, plat, and reclam	otification must be gin addition, the words.) d.) ation plan, subject to	ed to drill in accordant ven to the District Oil ell operator or his corton any modifications a	and Gas Inspector, (Refer to tractor shall notify the proper and conditions specified on the prosecuted with due diligence.
Bond:	Age	nn	Plat:	Casing My	Fee 967 - 725	Marga	ret). N	OTHER INSPECTIONS REASON REAS

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

File

Administrator, Office of Oil and Gas





FILLECORY

OFFICE USE ONLY

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

		CHIAMORES (177 LA START	HOLLLOPE
		Address				2.0.9		Address
						21141167		
	NUTRACTOR:	DRILLING OF						OIL & DA
		the De, small				QUEDÇS	Lynna	Name
La Colonia La Colonia								Address
·						1, V.5 I		
	X_SumulateX				Dall	VORK:	DWELL	PROPOSE
Patr Total					Plug. off			
				ysical change in				
OU & GAS DIVIS					MATION,	SET POR	BALLAS	CBOLOGIA
The second secon					ed well.	etalomos je		
DCH LOGE MI			200_teet; salty	11968 2	i csb,			rangaA (ET
A No on A	arca? Yes		ls coal					
							NDTUBE	D CASING A
PACKERS	The center miles	TERVALS			INCUTTONS			
	OR BACKS (Controlled)	liew of Mall		bact rev	of the parties	Grade		PORTAL PARTITION
No.		MATI	1001					
Constitution to the	1) LECUXA	MITTEN.	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				100	
Service of								
	6/00 Sys 66 1						7.50	
XII SOUNG	1.220.09.52	OFFI	CE USE ONLY		100		\L 4.	- pomenou gado
X 4 C S X G G G G G G G G G G G G G G G G G G	1022000	OFFI	CE USE ONLY				VI BE	
	b) is to record the			nd any folloy	w-up insr	pections.		(gmd)
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				nd any follov	v-up insp	pections.	Date	Popps Seria
		e dates of certa		nd any follov	v-up insp	pections.		R Taffi
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		Date	in occurrences a	o inspection(s		pections.		obing filers
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This part of Form IV-2(Application received		Date	in occurrences a	o inspection(s	s)	pections.	Date	ebing illers
This part of Form IV-2(Application received Well work started Completion of the drilling	ng	Date Y. IV. TIME	Follow-up	o inspection(s	s)	11.4800	Date	come (a)
This part of Form IV-2(Application received Well work started	ng	Date Y. IV. TIME	Follow-up	o inspection(s	llsw bng'i	oterage II	Date	tinit rumber
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Application received Well work started Completion of the drillingrocess Well Record received Reclamation completed OTHER INSPECTIONS	ng color c	Date VIV. TIME Purely note in 120 A residue, nalq note	Follow-up Follow-up To somebox at "Jan To some box at "Jan To somebox	e works no '25 ool atto no bus misters we believed a bus	(c) and well ontained in before act the Monce	Il operator additions of 24 hours scribed in 24 hours	Date	comp timit number inspectifications strict oil and greater
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IV-9 (Rev 8-81)

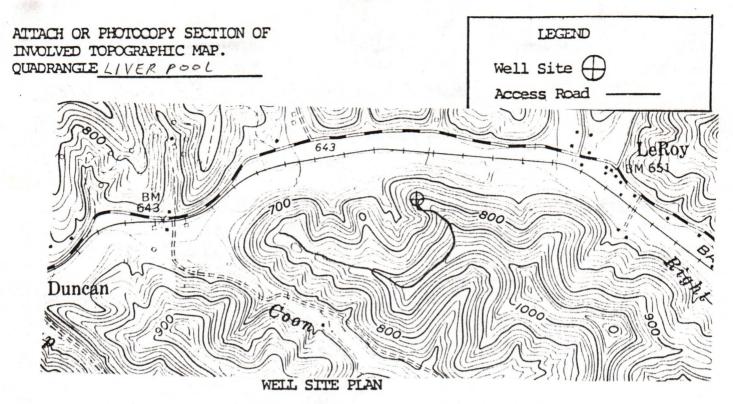


DATE	June 7, 1984	
WELL NO.	KEM 596	
/	17 220 1000	-

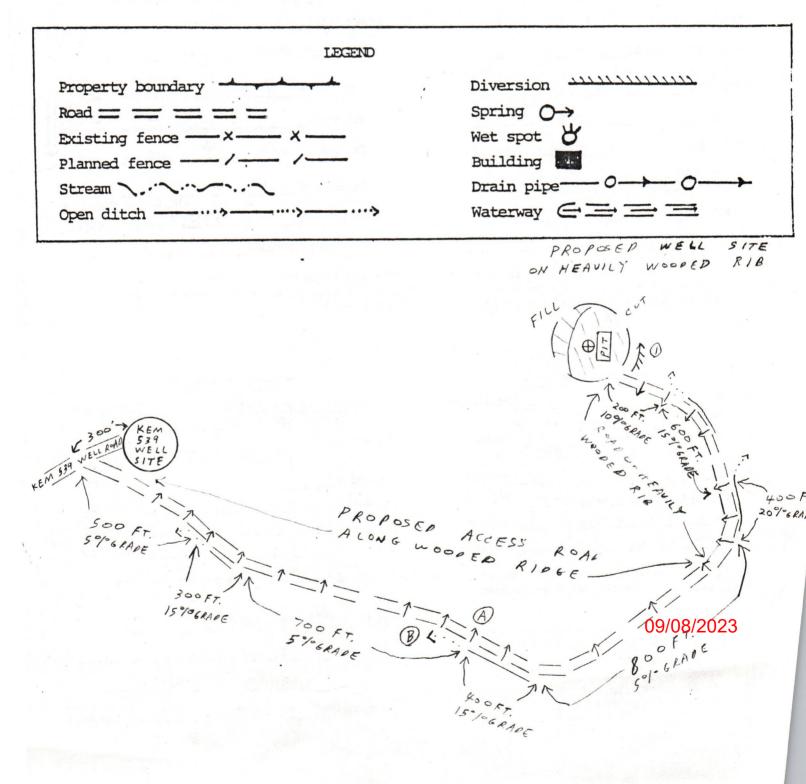
State of Mest Hirginia API 100. 4

Bepartment of Mines Bil and Gas Bivision

CONSTRUCTION	IN AND RECT	MATION PLA	774
COMPANY NAME Kaiser Exploration and Mi	ning Co.DE	SIGNATED AC	ENT R. A. Pryce
Address P. O. Box 8, Ravenswood,	WY 26164	Address_	Same
Telephone 273-5371		Telephone	273-5371
LANDOWNER Westvaco Corporation		SOIL CONS.	DISTRICT Western
Revegetation to be carried out by K	aiser Expl	oration an	d Mining Company (Agent)
This plan has been reviewed by	Wester	rn.	SCD. All corrections
and additions become a part of this pla	in:		
	8	(Date)	3 Foese
ACCESS ROAD			LOCATION
Structure Cross Drains	(A)	Structure	Top Diversion Ditch (1)
Spacing 135', 60', 135', 60', 135', 4	15', 60' 8	OMaterial_	Earthen
Page Ref. Manual 2 - 4		Page Ref.	Manual 2 - 12
Structure Drainage Ditch	(B)	Structure_	12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Spacing Earthen		Material_	WIE GELVE
Page Ref. Manual 2 - 12		Page Ref.	Manual <u>JUL - 9 1984</u>
Structure	(C)	Structure_	(3
Spacing		Material_	OIL & GAS DIVISION DEPT. OF MINI
Page Ref. Manual		Page Ref.	
All structures should be inspected commercial timber is to be cut and s cut and removed from the site before	tacked and	all brush begins.	ed if necessary. All and small timber to be
Treatment Area I		,	Prestment Area II
Lime 4 Tons/acm	e	_	e as area I Tons/acre
or correct to pH		or corre	ect to pH
Fertilizer 14-14-14 600 lbs/acre (10-20-20 or equivalent)		Fertilizer	lbs/acre (10-20-20 or equivalent)
Mulch Hay . 2 Tons/acre	2	Mulch	Tons/acre
Seed* 81% Orchard Grass/15% Ryles/acre		Seed*	lbs/acre
Kentucky 31 Fescue 16 lbs/acre			lbs/acre
Red Clover 8 lbs/acre			lbs/acre
*Inoculate all legumes such as vetch, Inoculate with 3X recommended amount.	trefoil a	ni clovers	
	FLAN PREP	ARED EY_	Vincent Wood 09/08/2023
MOTES: Please requost landowners! occoperation to protect new	A	DDRESS	116 Pfost Avenue
seedling for one growing season. Attach separate sheets as		What are a straightful	Ripley, WV 25271
necessary for comments.	FHO	NE NO.	372-2709
The same of the sa		-	THE RESIDENCE OF PROPERTY AND PROPERTY OF THE PERSON OF TH



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: <u>June 20</u> ,19 84 2) Operator's

Well No. KEM #596

3) API Well No. 47-035-1983

State County Permit

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

		NOTICE	OF APPLICATION FOR	A WELL	WORK PERMIT
4) SU	RFACE OWN	VER(S) OF RECOR			COAL OPERATOR
		estvaco Corpora		0 (1)	Address
,		P. O. Box 4216			
, , , ,	_	Rupert, WV 2	5984	5(ii)	COAL OWNER(S) WITH DECLARATION ON RECORD
(11)	Name				Name
	Address_				Address
(iii)	Name -				Name
(/	Address				Address
	_		D (31 17)	E1 0	
	_	8	P 621 176	360	LESSEE WITH DECLARATION ON RECORD:
			RECEIPT FOR CERTIFIE	D MAIL	
			NO INSURANCE COVERAGE PR NOT FOR INTERNATIONAL M		dress
		TO THE PERSON(S)	(See Reverse)		and the fall and a
		(1) The Ap	Sent to 1		and the following documents: or Form IV-4 if the well is
		(1) The App to be 1 and de: cement:	Westvaco		e drilling or other work.
		(2) The pl	Street and No. BOL 517		le, the proposed casing and
		(2) The place (3) The Corplug a			orm IV-6; and s sthe well work is only to
		reclam a	- Turner w		diment control and for
		THE REASON WHICH ARE SUMMAL	Postage	\$	HIS REGARDING THE APPLICATION THE COPY OF THE APPLICATION
		(FORM IV-2(B) OF ACTION AT ALL.	Certified Fee		T REQUIRED TO TAKE ANY
		Take notice erator proposes	Special Delivery Fee		the undersigned well op- and accompanying documents
		for a Well Work Department of M and depicted on	Restricted Delivery Fee		l and Gas, West Virginia
		Construction and	Return Receipt Showing to whom and Date Delivered		pplication, the plat, and the or certified mail or delivered
		before the day	Return receipt showing to whom, Date, and Address of Delivery	-	n circumstances) on or
		6) EXTRACTION RI Check and pro	TOTAL Postage and Fees	\$	
		I hold The require		1	jul - 9 1984
				11	rerse side for specifics.)
		Is the right			d upon a lease or leases OIL & GAS DIVISION
		or other confor compensat			or any similar provision EFT. OF MINE
		to the volum			i? Yes (No)
		If the you may use	M411315	W Schutz	ed. If the answer is Yes,
					DE
		See the reve the required Reclamation	erse side for line item instru d copies of the Notice and App. Plan.	ctions, and lication, p	for instructions concerning
The t	truth of	the information			
Notic	ce and Ap	plication is ve	on the	WELL	non Katawa Europe
and s	sworn to	and the Notice	is	OPERA	TOR Kaiser Exploration and Mining Co.
signe	ed on beh	alf of the Well	Operator	By V	
in my	County	and State by	e est estable de la companya de la c	Its	General Manager
thic	K.H.	Pryce		Addr	cess P. O. Box 8
	20day of	June ion expires 8/3	, 19 84.		Ravenswood, WV 26164
11)	COMMILES S.	Tour expires 8/	30 , 19 <u>93</u> .	Tele	ephone 304-273-5371
Mo		ese Carne			
St	tary Pub.	lic, Jackson	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-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-la(c) and 22-3-12a, and (v) if applicable, the consent 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-

- 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:

Delbert E. Cole, heirs et al

Kaiser Exploration and Mining

Royalty

Book Page

1/8 of prevailing
field price
65/339

Company



IV-35 (Rev 8-81)

State of Mest Nirginia

Bepartment of Mines Gil und Gas Bivision

Date 3/0	4/85			
Operator	S			
Well No.	KEM	596		
Farm Co	ole			
API No. 4		; -	1983	

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

WELL TYPE: Oil x / Gas / Liquid Injection (If "Gas," Production x / Undergrou	/ Wast	e Disposal e/ Deep	L/ D/ Sha	llow_x/)		
LOCATION: Elevation: 746 Watershed Ri	aht Fork o	of Sandy C	reek			
District: Ravenswood County Jacks		Quadrangle		ool .		
	•					
COMPANY Kaiser Exploration and Mining Co.					• •	
ADDRESS P. O. Box 8 Ravenswood, WV 26164	Casing	Used in	Left	Cement		
DESIGNATED AGENT R. A. Pryce	Tubing	Drilling	in Well	fill up Cu. ft.		
ADDRESS Same	Size					
SURFACE OWNER Westvaco Corporation	20-16 Cond.					
ADDRESS P.O. Box 4216, Rupert, WV 25984	13-10"				10.1	
MINERAL RIGHTS CWNER Cole Rentals	9 5/8			4.		
ADDRESS 804 Ritchie Avenue, Ravenswood, WV 26164						
OIL AND GAS INSPECTOR FOR THIS WORK Jerry	7	736	7.36	200 sks cl	ass A	
Tephabock ADDRESS Rt. 1 Box 101A Ripley, WV	5 1/2	7.50	700	200 2112 03		
PERMIT ISSUED	4 1/2	0.477	0.422	200 sks 50	/50 pc	7
DRILLING COMMENCED 8-1-84	3	2433	2433	200 515 50	750 po	7
DRILLING COMPLETED 8-3-84	. 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 Sha	ile	Dep	th	feet	•	
Depth of completed well 2466 feet R	otary x	_/ Cable	Tools_			
Water strata depth: Fresh N/A feet;	Salt_N/A	feet				
Coal seam depths: N/A	Is coal	being mine	ed in the	area? NO		
OPEN FLOW DATA	orilled on	fluid not	known.			
Producing formation Berea Sandstone	Pay	zone dept	h 2392-23	399 feet		
Gas: Initial open flow 15 Mcf/d	Oil: Ini	tial open	flow	Bbl/d		
Final open flow Mcf/d	Fin	al open fi	Low	Bb1/d		
Time of open flow between initi	al and fi	nal tests	4 ho	urs		
Static rock pressure 145 psig(surface	measurem	ent) after	48 hou	rs shut in	,	
(If applicable due to multiple completion-	-)		В 1	09/08/202	23	
Second producing formation	Pay	zone dep	th			
Gas: Initial open flow Mcf/d		tial open	flow	Bbl/d		
Final open flow Mcf/d	Oil: Fin	al open f	low_	Bb1/d		
Time of open flow between initi						
Static rock pressure psig(surface						
The state of the s				verse side		

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

8/6/84 Young's Wireline on location to perf Berea with 21 (.39" dia) shots, 3 shots/ft, from 2392' to 2399'. Each shot with 3½ strip.

8/8/84 NOWSCO to foam frac Berea Sandstone - Breakdown pressure: 3150 psig, Max. pressure: 3150 psig, treating pressure: 1880 psig, total sand: #60,000 of 20/40 sand, total N₂: 646,250 scf, total fluid: 268.5 bbl, ISIP: 1600 psig, 5 min SIP: 1470 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
Shale and Siltstone Sand Shale Sand Shale Sand Shale Sand Shale Little Dunkard Sand Shale Little Dunkard Sand Shale Big Dunkard Sands Shale Salt Sands Big Lime (Greenbrier) Shale	0 478 500 532 605 695 720 990 1025 1110 1208 1280 1628 1684 1858 1950	478 500 532 605 695 720 990 1025 1110 1208 1280 1628 1684 1858 1950 1975	
Big Injun Sand Shale Coffee Shale Berea Sand Shale Total Depth:	1975 2030 2376 2392 2399	2030 2376 2392 2399 2436	S/Oil
en er			

(Attach separate sheets as necessary)

100 7 0

na d	alone page 1	. It taket major a since of the	
1. H	The state of	Kaiser Exploration and Mining Com	pany
•		Well Operator By: A P -	09/08/2023
	19 1 1 1 1 1 1 1 1	Date: 03/04/85	

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 that, encountered in the drilling of a well."

to bur and a state of a

Permit No. 035 1983

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 H	Exploration	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	KERS
Address		Size	apospor g			
Farm	and property and all the second	16			Kind of Pac	cker
Well No. Ken	1 596	13				
District	County_Jackson	81/4			Size of	
Drilling commenced 7		6%		-	Depth set_	
Dvilling completed	Total depth	5 3/16			-	
		3			Perf. top	
Date shot	Depth of shot	2			Perf. bottor	n
Initial open flow	/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. inInch				Perf. bottor	n
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SER	VICE COMPA	NY		NOT THE RESIDENCE OF THE RESIDENCE OF THE PROPERTY OF THE PROP
Oil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
Fresh water	feetfeet	FEET_	INCH	ES	FEET	INCHES
Salt water	feetfeet	FEET_	INCH	ES	_FEET	INCHES
				etillärinen hänsen häld trätten juhet trät tokkok soudd		

Remarks:

Spudded 97/8 hole 12:30 pm 7 30 84 TD 773' 10:30 pm ran 18 jts 7'' csg set 736' noscoe cement 200 sks class a neat 3% cacl 1/4 lb per sk flocele plug down 2:00 am 7 31 84. WOC.

7 31 84

Juny Teplo 9/08/2023

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY		-	ADDRESS			
ARM		DISTRICT		COUNTY		
illing Material Used						
iner Loc	eation	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
·						
The second secon						
	•					Northern banks of an arrange access
	an age base me					
illers' Names			and the second second			
				- Yanan		
marks:						
117						
	W Toler				1	

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

			DIVISION
DEF	T.	OF	MINES

Oil or Gas Well_

Permit No. 035 1983

	(KIND)					
CompanyKaiser	r Exploration	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS	
Address		Size				
Farm	Cole	16			Kind of Packer_	
Well No	T - 506	13				2
Well No.		10			Size of	
District	County_Jackson	81/4			-	
Drilling commenced		65%			Depth set	
Drilling completed	Total depth	5 3/16			D. d.	
Date shot	Depth of shot	2			Perf. top Perf. bottom	
Initial open flow	/10ths Water inInc	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. inIncl				Perf. bottom	English Cookean
Volume	Cu. Ft	. CASING CEME	NTED	SIZE	No. FT	_Date
Rock pressure	lbshrs	NAME OF SER	RVICE COMPA	ANY		-
	bbls., 1st 24 hrs	. COAL WAS EN	COUNTERED	AT	_FEETIN	CHES
Fresh water	feetfee	FEET_	INCE	HES	_FEETIN	CHES
Salt water	feetfee	FEET_	INCE	HES	_FEETIN	CHES

Remarks:

TD 61/4 hole 8:00 pm 8 2 84 2466 ran 60 jts 41/2 csg set 2434 cement noscoe 200 sks 50/50 poz 10% salt 12.5 lb per sk gilsonite. plug down 5:30 am 8 3 84. moving to wood county.

8 3 84

Jega Typhos/2023

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.				Wel	II No		
OMPANY		-	ADDRESS				
ARMCOUNTY							
illing Material Used							
iner Loc	eation	Amount	Packer	Location			
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	
	,						
					_		
			•				
			and the second s				
illers' Names							
emarks:			and a supplementary				
		a.					
DATE	hereby certify I v	isited the abov	e well on this date.	*			

and the land areas

V- 36				Date:	August 1	
M. Tro		n			August 1	
25 1 1 1	lih	erton Field		Operator Well No.		Cole
61/1		STATE OF WEST V MENT OF MINES, OIL WELL OPERATOR'S OF INITIAL GAS-OIL R		API Well	No. 47 -	035 -
1985					State	County
ALIG OF GAS	GON DEPART	STATE OF WEST V MENT OF MINES, OIL	IRGINIA AND GAS	DIVISION		
OIL COMM	190	1	-			
WOYATION		WELL OPERATOR'S	REPORT			
ONSERV		INITIAL GAS-OIL R	ATIO TEST			
ERATOR <u>Kaiser</u>					Dayloo	
dress P. O. Bo		a mining co.		ED AGENT R. A		
		164	Addi	ress Same		
	ood, WV 26	164				
CAL TARGET PORMAT	ION: Berea	Sandstone		Depth	2392	
			foration 1	Interval 239		
NES FOR TESTING:						
A minimum of gas A 24 hour preflot Uniform producing Neasurement stand	vinto pipeli g rate during dards as for	ared nes or tanks the 24 hour test Form IV-39, "Report producing formation	nt of Aums	101 Dunduation H	(see Regulation	ation 21
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV-	winto pipeli g rate during darde as for -36 for each	nes or tanks the 24 hour test Form IV-39 "Reno	rt of Anni on in a mi	101 Dunduation H	(see Regulation	ation 21
A minimum of gas A 24 hour preflot Uniform producing Neasurement stand	winto pipeli g rate during darde as for -36 for each	nes or tanks the 24 hour test Form IV-39, "Repor producing formation	rt of Anni on in a mi	101 Dunduation H	ion	ation 21
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV-	vinto pipeli g rate during darde as for -36 for each TIME CASING PRESSI	nes or tanks the 24 hour test Form IV-39, "Repor producing formatic TEST DAT END OF TEST-DATE JRE SEPARATOR PRE	rt of Anni on in a mi	al Production" altiple complet	of TEST	ation 21
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE	tinto pipeli g rate during dards as for -36 for each TIME CASING PRESSI 400 psig	nes or tanks the 24 hour test Form IV-39, "Repor producing formatic TEST DAT END OF TEST-DATE JRE SEPARATOR PRE	rt of Anni on in a mu A TIME	DURATION SEPARATOR TEMPER	on OF TEST	
A minimum of gas A 24 hour preflow Uniform producing Neasurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE OIL PRODUCTION DUR	tinto pipeli g rate during dards as for 36 for each TIME CASING PRESSU 400 psig	nes or tanks the 24 hour test Form IV-39, "Repor producing formation TEST DAT END OF TEST-DATE JRE SEPARATOR PRE PRODUCTION DURING TEST 20 Mc	A TIME SSURE T WATER PR	DURATION SEPARATOR TEMPER DUCTION DURING TO	OF TEST ATURE EST & SALINIT	
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE	tinto pipeli g rate during dards as for 36 for each TIME CASING PRESSU 400 psig BING TEST GAS F	nes or tanks the 24 hour test Form IV-39, "Repor producing formation TEST DAT END OF TEST-DATE JRE SEPARATOR PRE PRODUCTION DURING TEST 20 Mc	A TIME SSURE T WATER PR	DURATION SEPARATOR TEMPER	OF TEST ATURE EST & SALINIT	
A minimum of gas A 24 hour preflow Uniform producing Neasurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE	tinto pipeli g rate during dards as for 36 for each TIME CASING PRESSU 400 psig	nes or tanks the 24 hour test Form IV-39, "Repor producing formation TEST DAT END OF TEST-DATE JRE SEPARATOR PRE PRODUCTION DURING TEST 20 Mc	A TIME SSURE T WATER PR	DURATION SEPARATOR TEMPER DUCTION DURING TO	OF TEST ATURE EST & SALINIT	
A minimum of gas A 24 hour preflow Uniform producing Neasurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE	tinto pipeli g rate during darde as for 36 for each TIME CASING PRESSU 400 psig RING TEST GAS F bbls. API	nes or tanks the 24 hour test Form IV-39, "Repor producing formation TEST DAT END OF TEST-DATE JRE SEPARATOR PRE PRODUCTION DURING TEST 20 Mc	A TIME SSURE T WATER PR f () D (Flowing,	DURATION SEPARATOR TEMPER ODUCTION DURING TO bbls. pumping, gas life	OF TEST ATURE EST & SALINIT	
A minimum of gas A 24 hour preflow Uniform producing Neasurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE OIL PRODUCTION DUR OIL GRAVITY	tinto pipeli g rate during darde as for 36 for each TIME CASING PRESSU 400 psig RING TEST GAS F bbls. API	res or tanks the 24 hour test Form IV-39, "Repor producing formation TEST DAT END OF TEST-DATE PRODUCTION DURING TEST 20 Mc PRODUCING METHO	A TIME SSURE T WATER PR f () D (Flowing,	DURATION SEPARATOR TEMPER DUCTION DURING TO	OF TEST ATURE EST & SALINIT ppm t, etc.)	
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE OIL PRODUCTION DUR OIL GRAVITY	tinto pipeli g rate during dards as for 36 for each TIME CASING PRESSI 400 psig HING TEST GAS F bbls, API	res or tanks the 24 hour test Form IV-39, "Repor producing formation TEST DAT END OF TEST-DATE JRE SEPARATOR PRE PRODUCTION DURING TEST 20 Mc PRODUCING METHO GAS PRODUCT	A TIME SSURE T WATER PR f C D (Flowing,	DURATION SEPARATOR TEMPER ODUCTION DURING TO bbls. pumping, gas lif-	OF TEST ATURE EST & SALINIT ppm t, etc.)	
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE OIL PRODUCTION DUR OIL GRAVITY MEASUREMENT METHOD FLANGE TAF	tinto pipeli grate during dards as for 36 for each TIME CASING PRESSU 400 psig ING TEST GAS F bbls. PIPE TAP	TEST DATE TEST DATE END OF TEST-DATE PRODUCTION DURING TEST 20 Mc PRODUCTION METHO GAS PRODUCT L-10	A TIME SSURE T WATER PR f C D (Flowing, ION PO CR	DURATION SEPARATOR TEMPER ODUCTION DURING TO bbls. pumping, gas lif-	OF TEST ATURE EST & SALINIT ppm t, etc.)	
A minimum of gas A 24 hour preflow Uniform producing Neasurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE OIL PRODUCTION DUR OIL GRAVITY MEASUREMENT METHOD FLANGE TAF ORIFICE DIAMETER	tinto pipeli grate during dards as for 36 for each TIME CASING PRESSU 400 psig ING TEST GAS F bbls. PIPE TAP	TEST DATE OF TEST DATE.	A TIME SSURE T WATER PR f C D (Flowing, ION PO CR	DURATION SEPARATOR TEMPER ODUCTION DURING TO bbls. pumping, gas lif- SITIVE CHOKE INICAL FLOW PROVER ROWER & ORIFICE GAS GRAVITY (Air	OF TEST ATURE EST & SALINIT ppm t, etc.) IZE - IN. DIAM IN.	
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE OIL PRODUCTION DUR OIL GRAVITY MEASUREMENT METHOD FLANGE TAP ORIFICE DIAMETER DIFFERENTIAL PRESSURE	tinto pipeli g rate during dards as for 36 for each TIME CASING PRESSI 400 psig SING TEST GAS F bbls. PIPE TAP PIPE TAP URE RANGE	TEST DATE TEST DATE END OF TEST-DATE PRODUCTION DURING TEST 20 Mc PRODUCTION DURING METHO GAS PRODUCT L-10 PIPE DIAMETER (INS	A TIME SSURE T WATER PR () D (Flowing, ION PO CR	DURATION SEPARATOR TEMPER ODUCTION DURING TO bbls. pumping, gas lif- SITIVE CHOKE INCAL FLOW PROVER PROVER & ORIFICE GAS GRAVITY (AIM MEASURED	OF TEST ATURE EST & SALINIT ppm t, etc.) IZE - IN. DIAM IN. -1.0) ESTIMATED	
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE OIL PRODUCTION DUR OIL GRAVITY MEASUREMENT METHOD FLANGE TAP ORIFICE DIAMETER DIFFERENTIAL PRESSURE	TIME CASING PRESSU 400 psig ING TEST GAS F bbls. PIPE TAP URE RANGE	TEST DATE SEPARATOR PRE PRODUCTION DURING TEST 20 Mc PRODUCTION DURING METHO GAS PRODUCT L-10 PIPE DIAMETER (INSIMAX. STATIC PRESSUITS)	A TIME SSURE T WATER PR () D (Flowing, ION PO CR	DURATION SEPARATOR TEMPER ODUCTION DURING TO bbis. pumping, gas lift SITIVE CHOKE INCAL FLOW PHOVE NOMINAL CHOKE SI PROVER & ORIFICE GAS GRAVITY (AIMMEASURED GAS TEMPERATURE	OF TEST ATURE EST & SALINIT ppm t, etc.) ZE - IN. EDIAM IN. -1.0) ESTIMATED	
A minimum of gas A 24 hour preflow Uniform producing Measurement stand Separate Form IV- START OF TEST-DATE 8/11/84 TUBING PRESSURE OIL PRODUCTION DUR OIL GRAVITY MEASUREMENT METHOD FLANGE TAF ORIFICE DIAMETER DIFFERENTIAL GAS GRAVITY (AIT-1)	TIME CASING PRESSU 400 psig ING TEST GAS F bbls. PIPE TAP URE RANGE	TEST DATE SEPARATOR PRE PRODUCTION DURING TEST 20 Mc PRODUCTION DURING METHO GAS PRODUCT L-10 PIPE DIAMETER (INSIMAX. STATIC PRESSUITS)	A TIME SSURE T WATER PR () D (Flowing, ION PO CR	DURATION SEPARATOR TEMPER ODUCTION DURING TO bbls. pumping, gas lif- SITIVE CHOKE INCAL FLOW PROVER PROVER & ORIFICE GAS GRAVITY (AIM MEASURED	OF TEST ATURE EST & SALINIT ppm t, etc.) ZE - IN. EDIAM IN. -1.0) ESTIMATED	

Kaise	r Exploration and Mining Company
Ву:	Well Operator Well Operator
Its:	Petroleum Engineer





OIL & GAS DIVISION

DEPT. OF MINES

State of West Virginia

Department of Mines Gil and Gas Division Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT

COMPANY	Kaiser Exploration		PERMIT NO _	035 1	983
	P. O. Box 8		FARM & WELL	NO	Kem 596
	RAvenswood, West Virginia	26164	DIST. & COU	NTY	Jackson
					TANCE
RULE	DESCRIPTION			IN COMP	NO
23.06	Notification Prior to Start	ing Work		X	
25.04	Prepared before Drilling to	Prevent V	Vaste	X	
25.03	High-Pressure Drilling				
16.01	Required Permits at Wellsite	2		X	
15.03	Adequate Fresh Water Casing				
15.02	Adequate Coal Casing			X	
15.01	Adequate Production Casing				
15.04	Adequate Cement Strenght			X	
15.05	Cement Type			X	
23.02	Maintained Access Roads		in , and a	X	
25.01	Necessary Equipment to Preve	ent Waste		X	
23.04	Reclaimed Drilling Pits		•	X	
23.05	No Surface or Underground Po	ollution			
23.07	Requirements for Production		ng Pipelines	X	
16.01	Well Records on Site			X	*
16.02	Well Records Filed				
7.05	Identification Markings			Z	
I HAVE I	NSPECTED THE ABOVE CAPTIONED	WELL AND	RECOMMEND THA	T IT BE	RELEASED:
				7	1000
			SIGNED	en	Tephalok
				010	4 84
			DATE		
Your wel	1 record was received and rec	clamation	requirements	approved	. In accordance
	pter 22, Article 4, Section 2				
	for the life of the well.	,	and the same of th	1 1	
				- Ju	-
				-	
			Administrat	or-Oil &	Gas Division
			AI	pril 10,	1985
				DATE	

