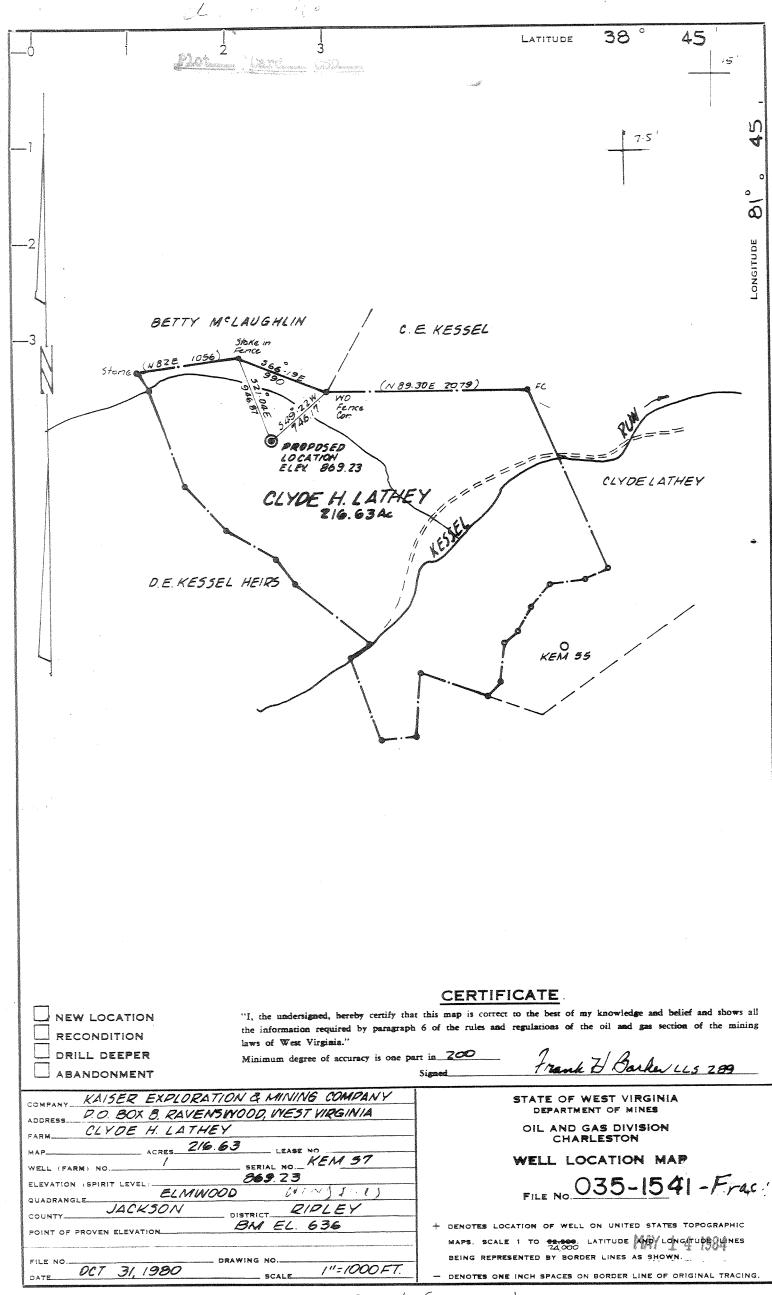
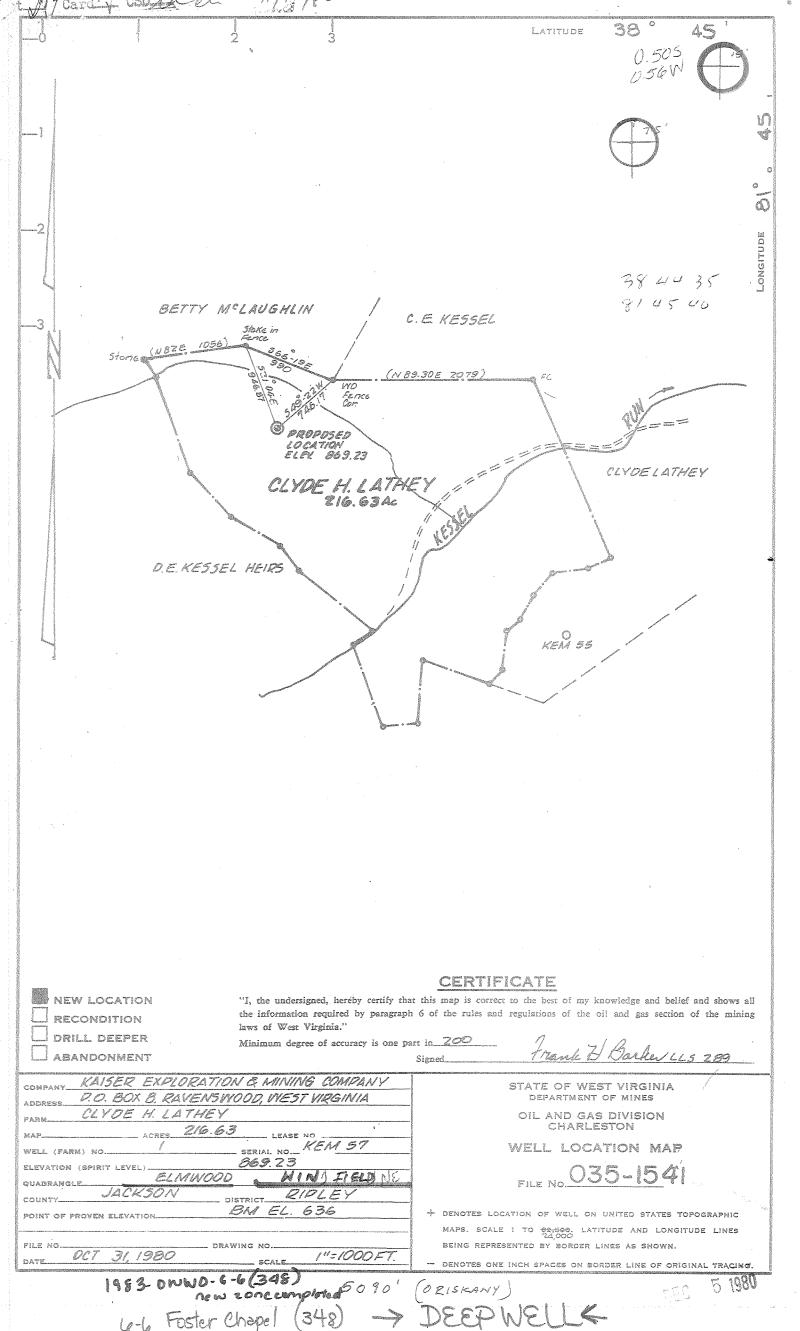
EL "/1:/8"	27.50
	LATITUDE 38° 45
	<u>, 15</u>
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	7.5
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	Longitude
	<b>Low</b>
BETTY MCLAUGHLIN	
-3. StoKe in	E KESSEL
Stone (NBZE 1056) Fence	7
0/N (W 89	1.30 E 2079) FC
SIA STATE CONCE	MAN
PROPOSED	
LOCATION ELEV. 869.23	
CLYDE H. LATHE	CLYDELATHEY
216.63Ac	
· ·	1/1/1853
D.E. KESSEL HEIRS	
	KEM 55
b	<b>b</b>
*	
. , , , , , , , , , , , , , , , , , , ,	CERTIFICATE
NEW LOCATION "I, the undersigned, hereby certify tha	t this map is correct to the best of my knowledge and belief and shows all
RECONDITION the information required by paragraph laws of West Virginia."	6 of the rules and regulations of the oil and gas section of the mining
DRILL DEEPER Minimum degree of accuracy is one pa	Signed Frank & Barker LLS 289
LI ABANDONMENT  COMPANY KAISER EXPLORATION & MINING COMPANY 46	
ADDRESS P.O. BOX B, RAVENSWOOD, WEST VIRGINIA	STATE OF WEST VIRGINIA  DEPARTMENT OF MINES
FARM CLYDE H. LATHEY  ACRES 216.63 LEASE NO.	OIL AND GAS DIVISION CHARLESTON
WELL (FARM) NO. / SERIAL NO. KEM 57	WELL LOCATION MAP
ELEVATION (SPIRIT LEVEL) FIMINOOD WINA JULY	FILE No. 035-1541-
COUNTYJACKSONDISTRICT	FILE NO.  Fracture Permit Carcelled +  DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC
POINT OF PROVEN ELEVATION BM EL. 636	MAPS, SCALE 1 TO <del>02,500</del> . LATITUDE AND LONGITUDE LINES
FILE NO. DRAWING NO. WILLIAMS	maps, scale 1 to $\frac{62.500}{24,000}$ . Latitude and longitude lines being represented by border lines as shown 4 1986
DATE OCT 31, 1980 SCALE 1"=1000 FT.	- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.
Diff	(ORISKANY)



5090' (ORISKANY)



IV-35 (Rev 8-81)

State of Mest Nirginia Department of Alines Oil and Cas Division

Date		May	<u> 7</u> 2	7	_19	983	3		
Oper	ato	:'s					and the second s		map
Well	No.	,	KE	M	#57				
Farm	C1:	yde	Lat	he	y				
API	No.	47	@m>	03	5	gans .	15	41	

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

/ Gas x / Liquid Injection / Waste Disposal

District: Ripley County Jackson Quadrangle Elmwood  COMPANY Kaiser Exploration and Mining Company ADDRESS P. O. Box 8, Ravenswood, WV 26164  DESIGNATED AGENT R. A. Pryce ADDRESS Same  SURFACE CWNER Clyde H. Lathey ADDRESS Rt. 5, Ripley, WV 25271  ATHNERAL RIGHTS CWNER Same ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty ADDRESS Linden Rt., Box 3A, Looneyv DRILLING COMMENCED 10/7/81 DRILLING COMMENCED 10/7/81 DRILLING COMMENCED 10/7/81 DRILLING COMMENCED 10/15/81 DRILLING COMPLETED 10/15/81
CASING Used in Left fill up Drilling in Well Cu. ft.  ADDRESS Same SURFACE CWNER Clyde H. Lathey ADDRESS Rt. 5. Ripley. WV 25271 AINERAL RIGHTS OWNER Same DIL AND GAS INSPECTOR FOR THIS WORK Homer ADDRESS Linden Rt., Box 3A, Looneyv DRILLING COMPLETED 10/7/81 DRILLING COMPLETED 10/15/81
DESIGNATED AGENT R. A. Pryce  DESIGNATED AGENT R. A. Pryce  DESIGNATED AGENT R. A. Pryce  Surface Owner Clyde H. Lathey  ADDRESS Rt. 5. Ripley. WV 25271  ADDRESS Rt.
DESIGNATED AGENT R. A. Pryce  DESIGNATED AGENT R. A. Pryce  DESIGNATED AGENT R. A. Pryce  Surface Owner Clyde H. Lathey  ADDRESS Rt. 5. Ripley. WV 25271  ADDRESS Rt.
Tubing Drilling in Well Cu. ft.  ADDRESS Same  Size  SURFACE OWNER Clyde H. Lathey  ADDRESS Rt. 5. Ripley. WV 25271  ATNERAL RIGHTS CWNER Same  ADDRESS  OIL AND GAS INSPECTOR FOR THIS WORK Homer  Dougherty ADDRESS Linden Rt., Box 3A, Looneyvt 5 17/2 WV  PERMIT ISSUED 7/7/81  ORILLING COMMENCED 10/7/81  ORILLING COMMENCED 10/7/81  ORILLING COMMENCED 10/7/81  ORILLING COMMENCED 10/7/81  ORILLING COMMENCED 10/15/81  ORILLING COMPLETED 10/15/81  ORICLING COMPLETED 10/15/81
DESIGNATED AGENT R. A. Pryce  DESIGNATED AGENT R. A. Pryce  DESIGNATED AGENT R. A. Pryce  Size  20-16  Cond.  DIL AND CAS INSPECTOR FOR THIS WORK Homer  Dougherty ADDRESS Linden Rt., Box 3A, Looneyv 5 1/2 WV  DRILLING COMMENCED 10/7/81  DRILLING COMMENCED 10/7/81  DRILLING COMPLETED 10/15/81
SIZE SURFACE OWNER Clyde H. Lathey ADDRESS Rt. 5. Ripley, WV 25271  MINERAL RIGHTS OWNER Same ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty ADDRESS Linden Rt., Box 3A, Looneyv 15 2455(KB) 2455(KB) 100 sks ne DRILLING COMMENCED 10/7/81 DRILLING COMMENCED 10/15/81 ORILLING COMMENCED 10/15/81 ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81  ORILLING COMPLETED 10/15/81
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DDRESS Rt. 5. Ripley. WV 25271  MINERAL RIGHTS CWNER Same  DDDRESS  DIL AND GAS INSPECTOR FOR THIS WORK Homer  DOUGherty ADDRESS Linden Rt., Box 3A, Looneyv 5172 WV  PERMIT ISSUED 7/7/81  DRILLING COMMENCED 10/7/81  DRILLING COMPLETED 10/15/81
ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty ADDRESS Linden Rt., Box 3A, Looneyville WV PERMIT ISSUED 7/7/81 ORILLING COMPLETED 10/7/81 ORILLING COMPLETED 10/15/81
DDRESS OHL AND GAS INSPECTOR FOR THIS WORK Homer  Dougherty ADDRESS Linden Rt., Box 3A, Looneyv 15 16 2455 (KB) 2455 (KB) 100 sks ne  PERMIT ISSUED 7/7/81  DRILLING COMMENCED 10/7/81  DRILLING COMPLETED 10/15/81  DRILLING COMPLETED 10/15/81  DRILLING COMPLETED 10/15/81  DRILLING COMPLETED 10/15/81  Liners used  None 10N - 2 1983
DOUGHERTY ADDRESS Linden Rt., Box 3A, Looneyv 5 1/2 WV  PERMIT ISSUED 7/7/81  ORILLING COMMENCED 10/7/81  ORILLING COMPLETED 10/15/81  Liners None 10/1 - 2 1983  None 10/1 - 2 1983
Dougherty ADDRESS Linden Rt., Box 3A, Looneyv 11 e WV 5 1/2 5090 225 sks p  PERMIT ISSUED 7/7/81  PRILLING COMMENCED 10/7/81  PRILLING COMPLETED 10/15/81  2  PRILLING COMPLETED 10/15/81  2  PRILLING COMPLETED 10/15/81  2  Liners None 10N - 2 1983  None 10N - 2 1983
PERMIT ISSUED 7/7/81  DRILLING COMMENCED 10/7/81  DRILLING COMPLETED 10/15/81  2  DRITLING COMPLETED 10/15/81  2  Liners None UN -2 1983  REWORKING. VERBAL PERMISSION OBTAINED  NO. 1983
DRILLING COMMENCED 10/7/81  DRILLING COMMENCED 10/15/81  2  IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED  None 10N - 2 1983  C. C. C.AS DIVISION
DRILLING COMPLETED 10/15/81  2  IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED  None  None  10/15/81  2  Liners None  None  10/15/81
DONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED  N  C. C. CAS ON LIBERT
REWORKING. VERBAL PERMISSION OBTAINED used
N C. e. GAS ONLIGON
EDLOGICAL TARGET FORMATION Oriskany Sandstone
Depth of completed well 5120 feet Rotary X / Cable Tools
Water strata depth: Fresh feet; Salt feet
Coal seam depths: Is coal being mined in the area?
OPEN FLOW DATA
Producing formation Oriskany Sandstone Pay zone depth 4981' feet  Gas: Initial open flow Trace Mcf/d Oil: Initial open flow Bbl/c
Final open flow 100 Mcf/d Final open flow Bbl/o
Time of open flow between initial and final tests 4 hours
Static rock pressure 1700 psig(surface measurement) after 24 hours shut in
(If applicable due to multiple completion) NOTE: Uneconomical to produce due excessive salt water product
back Second producing formation Brown Shale Pay zone depth 4053-4227 feet
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 86 Mcf/d Oil: Final open flowBbl/c
Time of open flow between initial and final tests 6 hours
Static rock pressure 475 psig(surface measurement) after hours shut in
waste for pressure 4/0 psiq(surface measurement) after 11 notics shut it

FORM IV-35 (PEVEICE)

#### DETAILS OF PERFORMIND INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, EIC.

4/26/83: Young Wireline set 4 1/2" SIE permanent bridge plug at 4260'(KB); selectively perforated Brown Shale interval using 3 1/8" O.D. selectfire, hollow steel carrier, 20 holes, .39" diameter, from 4053'-4227' (KB).

5/12/83: Halliburton foam fractured zone w/75 quality foam (30,000 SCF/min average nitrogen rate), 40 BPM downhole rate; 500 gal 15% HCL acid; 60,000# 20/40 mesh sand; 339 bbl water; 776,000 scf of nitrogen; 2775 psig average treating pressure; 2600 psig breakdown; ISIP: 960 psig.

#### WELL LOG

DRMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SAME AS ORIGINAL OG-10			
	Take outlies contained and the		

(Attach separate sheets as necessary)

KAISER EXPLORATION	AND MINING COMPANY	
Well Operator		
By: Z.A.P.		
Date: May 27, 1983		

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 one, including of a well."

FORM IN	7-35 se)					OF MINES, OIL A		Operator' Well No.	KEM	
[08-78]	s					OF		ART Well : 	47	035 -154°
	(:: "Ja	s", Fr	roductio	n_X	/	Injection	orare/	crossi	finlinw	
į	Distric	& 0	Ripley	orago-veni pana.	-	ounty: <u>Jack</u>	son ::	niransle: <u>Elm</u>	wood	
WELL OPERATOR	Р.	О. В			***************************************			S		
PERMITTED WOR								den	FEB9-	1982
PERMIT ISCUE	_ אכ ם	July	<b>7</b>		_, -,	<u>81</u>	OIL & GAS INC	PECTOR FOR THIS	WY DEPARTMEN	it of mines
(IF APPLICAB CONTINU							Name Ric	chard Morris		
REWORKI								Box 372		
			<u>, 19</u>					Grantsville	, WV	
GEOLOGICAL T						*		Depth 49		cee.
Water s	trata d am dept	lepth: :hs: _	Fresh	·	fe	et; salt,_ Is coal be	feet.	the area? October		81
CASING AND T CASING OR TUBING TYPE		SPEC:	IFICATIO	ons I		FOOTAGE I	INTERVALS	GEMENT FILL-UP OR SACKS (Cubic Sect)	PA:	CKER <b>S</b>
	Sise	Grade	per ft	;;eM	Used	For drilling	Left in well			
Conquetor `	10.0				-				Finds	
Fresh water	10 3/	<u> </u>	32.75	X		251(KB)	251(KB)	150sks Class	A	
Coal Intermediate	7	K	20	X		2455(KB)	2/55/VD	65sks Pozmix 100sks ClassA	Sides	
Production	4 <del>}</del>	N	11.6	X	Ì	2499(NB)		225sks Pozmi:		
	2 3/8	K	4.6	Х			5008(KB)		Danette see	······································
liners							3000(12)		Perforation	ns:
										Bottom
									4981	
									5020	
Gas	ng form s: Ini Fin	tial of al ope Timo	epen flow, of ope	พ, <u>โ</u>	Trace 100	Mcf/d (	Dil: Initial Final of and final test	Fay none depth open flow, oen flow, ts,'hours		The standard programment and the standard standa
31:	atle ro	oak pre	ranure,		00	ostm (surface m	measurement)	efter 24 hou	es shut in	
The second	livable	luc :	o muiti	ple i	व्याम् १ द	etion]				
Second	rroduc!	ng for	mation				andro-ad Talanandro, a care and a market	Pay some depth		feet
Gas								open flow,		\$ 100 miles   100
	. 4.7						1/2	en flow,	mil'	ŧ
\$::	atic ro					•		is hours	ra shut ir	

DEPARTMENT OF MINES, OIL AND GAS DIVISION

[08-78]

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

10/19/81: Perforate Oriskany w/50 holes using 3½" ceramic jet charges, from 4981'to-4985' and from 5020- to - 5028'(KB) (Basin Surveys)
10/20/81: Hydrafracture Oriskany w/15,000# 80/100, 45,000# 20/40 sand, 344,000 SCFnitrogen, 805 BBLs water @ 21.2 BPM and 4233 psig. Formation breakdown @

#### WELL LOG

PORMATION	Color	llard or		Bottom	Including 1-diametes
Soil & Shale	10101	2016	Top Feet	<u> Feet</u>	Including indication of all fresh and sait water, coal, cil and gas
Siltstone		To the same of the	0	39	in court and das
Shale		14420000000	39	84	
Sand			84	184	
Shale			184	270	
Sand			270	286	
Shale & Sand		and the state of t	286	300	
Sand			300	715	
Shale			715	758	
Sand		- Parling	758	802	<b>⇒</b> .
Shale			802	830	
Sand			830	1170	
Shale			1170		
Sand			1258	1258	
Shale			1322	1322	
Sand			1403	1403	
Shale			1452	1452	
Salt Sand	ľ		1504	1504	The second secon
Shale		•	1711	1711	
			1804	1804	
Big Lime (Greenbrier) Shale	200		1855	1855	
			2040	2040	
Big Injun Sand Shale			2094	2094	
			2200	2200	
Coffee Shale (Sunbury)			2524	2524	
Berea Sand Shale			2553	2553	
			2564	2564	Gas show @ 2558
Brown Shale			3781	3781	Gas show @ 3214 3447 3606
Shale	ı		2191	4280	Gas show @ 3785,3800,3846,3900
			4000		4060,4224,4276
Marcellus Shale			4280	4632	Gas show @ 4415,4578
0			4632	4896	Gas show @ 4684,4742,4748,
Onondaga Lime			4900		4795, 4876
Oriskany Sand	ı		4896	4972	Gas show @ 4920
Helderberg Lime	:		4972	5038	Gas show @ 4983,5023
Total 1			5038	5113	2000,0023
Total Depth			=110	SCHOOLS	
	The second		5113		•

(Attach separate sheets to complete as necessary;

KAISER EXPLORATION Well Operator	AND MINING COMPANY
	<u> </u>
By Lall U.	
Its General Manager	

31 ..... Regulation 2.02(i) provides as follows:

"The term 'log' or 'pell log' shall mean a systematic, detailed geologial record of all formations, including soci, encountered in the drilling of a well."

FORM IV-2(B) (Obverse) 7-83

Address

Name \_

15)

Ravenswood.

WV

OIL & GAS INSPECTOR TO BE NOTIFIED

Tephabock

Riplev.



26164

2527

1)	Date: April 3,	1984
----	----------------	------

Operator's

Kaiser Drilling Rig

Ravenswood.

9) DRILLING CONTRACTOR:

Name

Address

	AA GII	TAO."				) [		
3)	API	Well	No.	47	_	035	-	1541 - FRA
				State		County		Permit

Shallow

Elmwood

Pryce

DEPT	OF STATE OF WEST VIRGINIA PARTMENT OF MINES, OIL AND GAS DIVISION	
	APPLICATION FOR A WELL WORK PERMIT	
WELL TYPE: A Oil/ Gas B (If "Gas", Production	Y	_
LOCATION: Elevation: 869.23	Watershed: Kessel Run	
District: Ripley WELL OPERATOR <u>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</u>	County: <u>Jackson</u> Quad ser Exp & Mining Cop DESIGNATED AGENT _	irangle: R. A.
Address P. O. Box 8	Address	Same

		······································					
10)	PROPOSED WELL WORK:	Drill/ Drill	deeper	/ Redrill/	/ Stimulate X	/	•
		Plug off old formation_	/ Perforate	new formation X	/		
		Other physical change in	well (specify) Sque	eze 4 1/2" c	asinq: treat	Berea; isolate	Ber
11)	GEOLOGICAL TARGET FORM	MATION, <u>Berea S</u>	andstone	Shale wi	th tubing and	l packer	
	12) Estimated depth of complete	d well, 4260 (K	B) (PBTDfeet				•
	13) Approximate trata depths:	Fresh,150	feet; salt	650	feet.		

					oct.	
	14)	Approximate coal seam depths:	None None	Is coal being mined in the area?	Yes/	No
ì	CA	SING AND TURING PROGRA	M			

CASING A	AND	THRING	PROGR	$\Delta M$

CASING OR TUBING TYPE		SPEC	IFICATIONS Weight	6		FOOTA	GE INTE	RVALS	Ì		ENT FILL R SACKS	UP		PACKE	RS	
	Size	Grade	per ft.	New	Used	For drilling		Left in well			Cubic feet)					
Conductor													Kinds	None		
Fresh water	10 3/	4 H	40.5	<u> </u>		251'	(KB)	251'	(K	3) 15	0 sk	: N	at			ě
Coal							\		~~	,			1	_		
Intermediate	7	K	20	Х		2455'	(KB)	2455'	(K	77	nsks.	:40	an izs at			
Production	4 1/	2 N	11.60	) X				5090 '	(K	) 22	5 skg		ZPRPitX	set _		
Tubing					and the same of th			42051	ĺΚ							
Liners									,	-			Perfora	ions:		
	·					(4260' 1	PBTD)						Тор		Bottom	*****
-													405	3	4227	(KB
											***************************************		1	<b>-</b>	• 1	1,00

			(4200° PD)	ע ו	Тор	Bottom
		 			4053	<u>4227 (K</u>
 	 	 	1			
		 	OFFICE USE C	NLY		
			DRILLING PE	RMIT		

Date This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to

No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.) The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the

reverse hereof. Permit expires unless well work is commenced prior to that date and prosecuted with due diligence.

			~	
Bond	Agent;	Plat:	Casing	Fee 967 8

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

File





### Oil and Gas Division

OHA GAS DIVISION
DEFT. OF MINEU

### OIL AND GAS WELL PERMIT APPLICATION

THE DEPARTMENT OF MINES,

Charleston, W. Va.	DATE July 1, 1981 .
urface Owner Clyde H. Lathey	Company Kaiser Exploration and Mining Company
ddress Rt. 5, Ripley, WV 25271	Address P. O. Box 8, Rayenswood, WV 26164
ineral Owner Same as above	Farm Clyde H. Lathey Acres 216.63
	Location (waters) Kessel Run
Samo as abovo	Well No KEM #57 Elevation 869.23
The state of the s	District Ripley County Jackson
oal Operator Same as above	District RIPIEY County Jackson
ldress	Quadrangle Limwood
TOTAL PERMIT MUST BE POSTED AT THE WELL SITE	
all provisions being in accordance with Chapter 22, of the W. Va. Cade, the location is hereby approved	
Drilling This permit shall expire if	INSPECTOR
operations have not commenced by 3-7-82	TO BE NOTIFIED Richard Morris
•	ADDRESS P. O. Box 372, Grantsville, WV
n vi nimetor (M/R. SAs Division	
C.	PHONE 354-7259
NTLEMEN:	
The undersigned well operator is entitled to drill upon t	he above named farm or tract of land for oil and gas, having fee
e thereto, (or as the case may be) under grant or lease	dated August 4 19 80 by Clyde H.
athey & Jane K. made to Mining Company	and recorded on the
in Jackson County, Book 157	Page 577
	REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLE	FRACTURE OR STIMULATE
•	
The enclosed plat was prepared by a registered engineer to been notified as of the above date.	or licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby make by Section 3 of the Code, must be received by, or	notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were mailed h	y registered mail, or delivered to the above named coal operators
	Very truly yours,
EASE SUBMIT COPIES OF ALL OPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator
CT STIPPINIA CTOS OCICAS AND	Kaiser Exploration and Mining Company
ST VIRGINIA GEOLOGICAL AND ONOMIC SURVEY Add:	P. O. Box 8
O. BOX 879	សូ-៦៩-១-U. k
RGANTOWN, WEST VIRGINIA 26505 Well Ope -304 - 292-6331	Ravenswood Cay or Town
	West Virginia 26164
	State

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

BLANKET BOND,

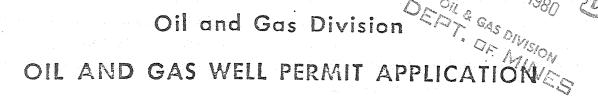
47-035-1541 -REn

PROPOSED WORK ORDER TO	× X TODAL E	MEDEN	TO A STREET OF CHEST RESUS A CONT.					
DRILLING CONTRACTOR: (H		RESPONSIBLE AGENT	.•					
NAME Clint Hurt & Associ	•							
ADDRESS P. 0. Box 388, E1			8, Ravenswood, WV 26164					
TELEPHONE 273-5371		•	371					
ESTIMATED DEPTH OF COMPL		ROTARY X CABLE TOOLS						
PROPOSED GEOLOGICAL FORM	i	The state of the s						
TYPE OF WELL: OIL_	GAS X	COMB. STORAGE	DISPOSAL					
			OODOTHER					
	•	Wildows terrollings commentings						
TENTATIVE CASING PROGRAM	1:	•	•					
CASING AND TUBING	USED FOR	LIJT IN	CEMENT FILL UP					
SIZE	DRILLING	WILL	OR SACKS - CUBIC IT.					
20 - 16								
5/8 70 3/4	250'	250'	Cement to surface					
- 5/8								
7	2600'	2600'	65 sks 50/50 pozmix					
5 1/3			100 sks Class A					
4 1/2	5225'	5225'	225 sks 50/50 pozmix					
2			Perf. Top Perf. Bottom					
Liners			Perf. Top					
			Perf. Bottom					
3								
APPROXIMATE FRESH WATER	DEPTHSFEET	SALT WATER_	FEET					
APPROXIMATE COAL DEPTHS_		7	-					
IS COAL BEING MINED IN THE	E AREA? None	BY WHOM?						
TO DRILL:								
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### STATE OF WEST VIRGINIA





TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE November 5, 1980
Surface Owner Clyde H. Lathey	Company Kaiser Exploration and Mining Company
Address Rt. 5, Ripley, WV 25271	
Mineral OwnerSame as above	
Address	
	Well No. KEM #57 Elevation 869.23
Address	
Coal Operator Same as above	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Address	
HIS PERMIT MUST BE POSTED AT THE WELL SITE	
Il provisions being in accordance with Chapter 22,	
the W. Va. Code, the location is hereby dipproved	INSPECTOR
or drilling	TO BE NOTIFIED Richard Morris
poerations have not commenced by 7-14-81	ADDRESS P. O. Box 372, Grantsville, WV
2 (1) 610	and the second of the second o
Deputy Director - Oil & Gas Division	PHONE 354-7259
GENTLEMEN:	
The undersigned well operator is entitled to drill upo	on the above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or l	ease dated August 4 1980 by Clyde H
& Jane K. Lathewade to Kaiser Exploration	and Mining Corecorded on the day of
in Jackson County, Book 157	7 Page 577
NEW WELL DRILL DEPOSE	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRI	
	TLEED BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engin	neer or licensed land surveyor and all coal owners and/or operators
have been notified as of the above date.	
The above named coal owners and/or operator are he	ereby notified that any objection they wish to make, or are required
	, or filed with the Department of Mines within ten (10) days. *
Opples of this notice and the enclosed plat were mall- or coal owners at their above shown respective address	ed by registered mail, or delivered to the above named coal operators  Cay
same day with the mailing or delivery of this copy to tr	Department of Monte at Charleston, West Virginia.
	Very truly yourn.
PLEASE SUBMIT COPIES OF ALL	(Sion Name, Z.A.P
GEOPHYSICAL LOGS DIRECTLY TO:	Well Operator
WEST VIRGINIA GEOLOGICAL AND	R. A. Pryce
	P. O. Box 8 Street
P. O. BOX 879	cof OperatorRavenswood
MORGANTOWN, WEST VIRGINIA 26505 "E" AC-304 - 292-6331	City or Town
	<u>West Virginia</u> 26164
	State

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

የድብጥና	ED WORK ORDER TO	CDRILL	DEEPEN FRACTURE-STIMULATE					
	G CONTRACTOR: (If K		RESPONSIBLE AGENT:					
-	Not known at this tim		NAME Robert Pryce					
	S							
	ONE		*	371				
			ROTARY CABLE TOOLS					
	ED GEOLOGICAL FORMA	· · · · · · · · · · · · · · · · · · ·						
				TD DICDOCAL				
TYPE OF	F. WELL: OIL		•	GE DISPOSAL				
		RECYCL	ING WATER FI	LOOD OTHER				
TENTAT	IVE CASING PROGRAM:	e o sekştetik						
CAS	ING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.				
20 - 16								
13 - 10								
9 - 5/8	10 3/4	250'	250'	To surface				
8 - 5/8								
7		26001	2600'	125 sks = 570'				
5 1/2		50001	root	125 also = 15001				
4 1/3		5090'	5090'	125 sks = 1500 <sup>1</sup> Perf. Top				
2				Perf. Bottom				
Liners				Perf. Top				
				Perf. Bottom				
TO DRII	LL:							
	BMIT FIVE (5) COPIES OF PLAT.	F OG - 1, \$100.00 PERM	IT FEE, PERFORMANCE	BOND AND PERMANENT COPY				
TO DRII	LL DEEPER OR REDRILL:							
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mo FD A	CTURE - STIMULATE:							
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OII		GINALLY DRILLED ON A	ND/OR AFTER JUNE 5, 1	929, FIVE COPIES OG - 1, SHOW-				
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•								
	e sollowing waiver must be	completed by the coal or	perator if the permit is to b	oe issued within ton days of receip				
thereof.								
WAIVER				ner or Operator of the coal unde				
	*		naps this proposed well lo					
				well being drilled at this location.				
	providing operator has con Code.	nphed with all rules and re	guiations in Articles 4, 5, an	nd 7, Chapter 22 of the West Virginia				
				For Coal Company				

Official Title