







DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

THE DEPARTMENT OF MINES,			
Charleston, W. Va.		E. February 25, 1982	
face Owner Henry Schott, Jr	Com	peny <u>Kaisér Explorati</u>	on and Mining Compai
	on WV 2618 Add	P. O. Box 8, Rav	enswood, WV 26164
eral Owner Same	Farm	Henry Schott, Jr.	Acres 40.2
	•	tion (waters) Little Sar	
Come	Well		Elevation 759'
Camp			
J. C.		* ·	County Kanawha
d Operator None	Quad	rangle Lubeck, WV-0	
HIS PERMIT MUST BE POSTED AT THE WELL SIT ALL PROVISIONS BEENG IN ACCORDANCE WIT ARTICLE 4 OF THE W. VA. CODE, THE LOCAFF		OR	
		OTIFIED <u>Martin Nicho</u>	ols
APPROVED FOR drilling renewed the service of the se	11-3-82 ADDRESS	P. O. Box 554, Cle	endenin, WV 25045
IF OPERATIONS ENTERNOT COMMERCED OF			.nacirii w coore
BY The kift	PHONE	548-6993	•
			·
NTLEMEN:			
thereto, (or as the case may be) under grant Kalser Exploited G. Schottmade to Mining Com	ration and pany	larch 25th. 198	BO by Henry A., Jr.
thereto, (or as the case may be) under grant Kaiser Expro Kaiser Expro ildred G. Schottmade to Mining Com 80 in Kanawha County, Book	ration lease dated ration and pany 	March 25th. 198 and recorded on the 22r e 316	Henry A., Jr. day of July
thereto, (or as the case may be) under grant Kaiser Exproint Kaiser Exproint Kaiser Exproint Expression 80 in Kanawha County, Book	ration lease dated I ration and pany Pag EEPER	March 25th. 198 and recorded on the 22r e 316 REDRILL FRA	Henry A., Jr. day of July
thereto, (or as the case may be) under grand to Kalser Explosion 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date.	ration lease dated ration and ration and ration and ration and ration rations are hereby notified	Arch 25th. 198 and recorded on the 22r e 316 REDRILL FRA RE JUNE 5, 1969. d land surveyor and all co	day of July CTURE OR STIMULATE al owners and/or operator to make, or are require
thereto, (or as the case may be) under grace ildred G. Schotimade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operato make by Section 3 of the Code, must be received to the coal owners at their above shown respective the day with the mailing or delivery of this coal owners at their above shown respective the day with the mailing or delivery of this coal	ration and ration and pany 2 741 Pag DEEPER LY DRILLED BEFORM or are hereby notified eived by, or filed with ere mailed by registere address py to the Department	Arch 25th. 198 and recorded on the 22r e 316 REDRILL FRA RE JUNE 5, 1969. d land surveyor and all co that any objection they wis the Department of Mines and d mail, or delivered to the second company.	day of July CTURE OR STIMULATE al owners and/or operators th to make, or are required within ten (10) days. * above named coal operators before, or on the
thereto, (or as the case may be) under grace ildred G. Schotimade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operato make by Section 3 of the Code, must be received to be a section of the code of this notice and the enclosed plat we coal owners at their above shown respective the day with the mailing or delivery of this context.	ration and ration and pany 2 741 Pag DEEPER LY DRILLED BEFORM or are hereby notified eived by, or filed with ere mailed by registere address py to the Department Very tre	and recorded on the221 e316 REDRILLFRA RE JUNE 5, 1969. In that any objection they wis the Department of Mines at Charleston, We say of Mines at Charleston, Mines a	day of July CTURE OR STIMULATE al owners and/or operators that to make, or are required within ten (10) days.
NEW WELLDRILL I	ration and ration and pany 2 741 Pag DEEPER LY DRILLED BEFORM or are hereby notified eived by, or filed with ere mailed by registere address py to the Department	and recorded on the 22r and surveyor and all co that any objection they wis the Department of Mines ar and mail, or delivered to the ar and of Mines at Charleston, We are well correct well correct well correct well correct	day of July CTURE OR STIMULATE al owners and/or operator th to make, or are require within ten (10) days. * above named coal operator st Virginia.
thereto, (or as the case may be) under grace indred G. Schottmade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operator make by Section 3 of the Code, must be received to the coal owners at their above shown respective the day with the mailing or delivery of this coal owners at their above shown respective the day with the mailing or delivery of this coal owners at their above shown respective the day with the mailing or delivery of this coal owners at their above shown respective the day with the mailing or delivery of this coal owners at their above shown respective to the day with the mailing or delivery of this coal owners at their above shown respective to the day with the mailing or delivery of this coal owners.	ration and ration and pany 2 741 Pag DEEPER LY DRILLED BEFORM or are hereby notified eived by, or filed with ere mailed by registere address py to the Department Very tre	Anch 25th. 198 and recorded on the 22r e 316 REDRILL FRA RE JUNE 5, 1969. In and surveyor and all continuous and surveyor and all continuous and mail, or delivered to the surveyor and all continuous and mail, or delivered to the surveyor and surveyor and surveyor and all continuous and mail, or delivered to the surveyor and	day of July CTURE OR STIMULATE al owners and/or operators that to make, or are required within ten (10) days. * above named coal operators at Virginia.
thereto, (or as the case may be) under grace indred G. Schotimade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operato make by Section 3 of the Code, must be received to be above the coal owners at their above shown respective the day with the mailing or delivery of this coal owners at their above shown respective to the coal owners at their above shown respective to the day with the mailing or delivery of this coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners and the coal owners are coal owners.	ration and ration and pany 2 741 Pag DEEPER LY DRILLED BEFORM or are hereby notified eived by, or filed with ere mailed by registere address py to the Department Very tre	Anch 25th. 198 and recorded on the 22r e 316 REDRILL FRA RE JUNE 5, 1969. In and surveyor and all continuous and surveyor and all continuous and mail, or delivered to the surveyor and all continuous and mail, or delivered to the surveyor and surveyor and all continuous and mail, or delivered to the surveyor and surveyor and all continuous and mail, or delivered to the surveyor and survey	day of July CTURE OR STIMULATE al owners and/or operator th to make, or are require within ten (10) days. * above named coal operator st Virginia.
thereto, (or as the case may be) under grace lidred G. Schottmade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operato make by Section 3 of the Code, must be recently be determined to the enclosed plat we coal owners at their above shown respective to day with the mailing or delivery of this county of this county of this county of the coal owners at their above shown respective to the day with the mailing or delivery of this county of this county of this county of this county of the coal owners at their above shown respective to the day with the mailing or delivery of this county of this county of the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners at their above shown respective to the coal owners and coal owners	rdt or lease dated frat on did on did pany 2 74] Pag DEEPER LY DRILLED BEFORM ed engineer or license or are hereby notified eived by, or filed with ere mailed by registere address py to the Department Very transfer of	Anch 25th. 198 and recorded on the 22r e 316 REDRILL FRA RE JUNE 5, 1969. In and surveyor and all continuous and surveyor and all continuous and mail, or delivered to the state of Mines at Charleston, We say of Mines at Charleston, Mines at Charl	day of July CTURE OR STIMULATE al owners and/or operators that to make, or are required within ten (10) days. above named coal operators before, or on the set Virginia.
thereto, (or as the case may be) under grace ideed G. Schotimade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operato make by Section 3 of the Code, must be received to be a section of the code owners at their above shown respective the day with the mailing or delivery of this company with the mail with the mailing or delivery of this company with the mail with	rdt or lease dated frat on did on did pany 2 741 Pag DEEPER LY DRILLED BEFORM ed engineer or license or are hereby notified with erre mailed by registere address py to the Department Very true (Sign National Control of the Co	and recorded on the221 e316 REDRILL	day of July CTURE OR STIMULATE al owners and/or operator th to make, or are required within ten (10) days. above named coal operator st Virginia.
thereto, (or as the case may be) under grace iddred G. Schottmade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operator make by Section 3 of the Code, must be recently of this notice and the enclosed plat was coal owners at their above shown respective to the day with the mailing or delivery of this context. EASE SUBMIT COPIES OF ALL OPHYSICAL LOGS DIRECTLY TO: ST VIRGINIA GEOLOGICAL AND DONOMIC SURVEY O. BOX 879 REGANTOWN, WEST VIRGINIA 26505	rdt or lease dated frat on did on did pany 2 74] Pag DEEPER LY DRILLED BEFORM ed engineer or license or are hereby notified eived by, or filed with ere mailed by registere address py to the Department Very transfer of	and recorded on the221 e316 REDRILL	day of July CTURE OR STIMULATE al owners and/or operator th to make, or are require within ten (10) days. above named coal operator before, or on the st Virginia.
thereto, (or as the case may be) under grace indred G. Schottmade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register or been notified as of the above date. The above named coal owners and/or operator make by Section 3 of the Code, must be received as one of this notice and the enclosed plat was coal owners at their above shown respective the day with the mailing or delivery of this county. EASE SUBMIT COPIES OF ALL OPHYSICAL LOGS DIRECTLY TO: ST VIRGINIA GEOLOGICAL AND DINOMIC SURVEY O. BOX 879 REGANTOWN, WEST VIRGINIA 26505	rdt or lease dated frat on did on did pany 2 74] Pag DEEPER LY DRILLED BEFORM ed engineer or license or are hereby notified eived by, or filed with ere mailed by registere address py to the Department Very transfer of	and recorded on the221 e316 REDRILL	day of July CTURE OR STIMULATE al owners and/or operator th to make, or are required within ten (10) days. above named coal operator st Virginia.
e thereto, (or as the case may be) under grand ildred G. Schotinade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operato make by Section 3 of the Code, must be received to the coal owners at their above shown respective the day with the mailing or delivery of this context.	rdt or lease dated frat on did on did pany 2 74] Pag DEEPER LY DRILLED BEFORM ed engineer or license or are hereby notified eived by, or filed with ere mailed by registere address py to the Department Very transfer of	and recorded on the221 e316 REDRILL	day of July CTURE OR STIMULATE al owners and/or operators that to make, or are required within ten (10) days. above named coal operators before, or on the set Virginia.
thereto, (or as the case may be) under grace iddred G. Schottmade to Mining Com 80 in Kanawha County, Book NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register to been notified as of the above date. The above named coal owners and/or operator make by Section 3 of the Code, must be recently of this notice and the enclosed plat was coal owners at their above shown respective to the day with the mailing or delivery of this context. EASE SUBMIT COPIES OF ALL OPHYSICAL LOGS DIRECTLY TO: ST VIRGINIA GEOLOGICAL AND DONOMIC SURVEY O. BOX 879 REGANTOWN, WEST VIRGINIA 26505	rdt or lease dated frat on did on did pany 2 74] Pag DEEPER LY DRILLED BEFORM ed engineer or license or are hereby notified eived by, or filed with ere mailed by registere address py to the Department Very transfer of	and recorded on the	day of July CTURE OR STIMULATE al owners and/or operators that to make, or are required within ten (10) days. above named coal operators before, or on the set Virginia.

otice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting in filing 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

nd the well operator authorized to proceed.

47-107-1150-REM.

ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL DRILLING CONTRACTOR: (If Known) NAME Clint Hurt & Associates, Inc.		RESPONSIBLE AGENT: NAME Robert A. Pryce						
					ADDRESS P. 0. Box 388, E1	KV1eW: WV		8, Ravenswood, WV 26164
					TELEPHONE 273-5371			71
ESTIMATED DEPTH OF COMPL	ETED WELL: Oriskany	ROTARY X	CABLE TOOLS					
PROPOSED GEOLOGICAL FORM		· · · · · · · · · · · · · · · · · · ·						
TYPE OF WELL: OIL_		· 						
TENTATIVE CASING PROGRAM		G WATER FLO	ODOTHER					
CASING AND TUBING SIZE	USED FOR DRILLING	LIST IN WELL	CEMENT FILL UP OR SACKS - CUBIC 1-T.					
20 - 16								
13 - 10	250'	250'	150 sks_class_A(to-stirfac					
9 - 5/8		•						
8 - 5/8	10001	1000						
7 5 ½	1900'	1900'	50 sks 50/50 pozmix 100 sks class A					
4 ½	4570'	4570'	225 sks class A					
3			Perf, Top					
2			Perf. Bottom					
Liners		· · · · · · · · · · · · · · · · · · ·	Perf. Top					
			Perf. Bottom					
APPROXIMATE FRESH WATER	DEPTHSFEET	SALT WATER_	FEET					
APPROXIMATE COAL DEPTHS			•					
TO DRILL:								
OF PLAT.	OF OG - 1, \$100.00 PERMIT	FEE, PERFORMANCE BO	OND AND PERMANENT COPY					
TO DRILL DEEPER OR REDRIL			•					
	O 1929, A PERMANENT COP		D PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD					
TO FRACTURE - STIMULATE:			•					
OIL AND/OR GAS WELL OF	RIGINALLY DRILLED BEFORI AND ORIGINAL WELL RECO	E JUNE 5, 1929, FIVE (5) (COPIES OG - 1, PERFORMANCE					
OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	RIGINALLY DRILLED ON AND MBER,AND PERFORMANCE B	D/OR AFTER JUNE 5, 192 BOND.	9, FIVE COPIES OG - 1, SHOW-					
Required forms must be filed four (24) hours in advance.	within ninety (90) days of con	mpletion for bond release.	Inspector to be notified twenty-					
		•						
			Minimum Linds & "Lungs san Palabonium".					
•								
thereof.		• •	issued within ten days of receipt					
	nt fored and place on our mine map		or Operator of the coal under					
providing operator has o			cell being drilled at this location, 7, Chapter 22 of the West Virginia					
Code.		•						
		F	or Coal Company					
			Official Title					

Oil and Gas Division

DEPT. OF Minus

OIL AND GAS WELL PERMIT APPLICATION

THE DEPARTMENT OF MINES,

Charleston, W. Va.	/ DA	TE March 23, 1981	•
face Owner Henry Schott, Jr	Co	mpeny Kaisér Exploratio	n and Mining Compar
Rt. 1. Box 295. Washingt			
eral Owner Same		m Henry Schott, Jr.	Acres 40.2
ires Same	-	eation (waters) Little Sand	
Owner Same		NoKEM #96	-
Cama	· Dis		
Mana		adrangle Lubeck WV-0	County Kanawha (WOOD COUNTY)
dress None		drangle LIDECK, WV-U	(WOOD COUNTY)
HIS PERMIT MUST BE POSTED AT THE WELL S	;TE		•
•		•	*
Il provisions being in accordance with Chanter	/2, /ed		
the W. Va. Cods, the location is hereby approved drilling This permit shall expire			• • •
	TO BE	NOTIFIED MANXWINK MKKKAKAK	XX PAUL GOODNIGHT
perations have not commenced by 12-1-81	' ADDRES	S AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
7 Thursy			dentity no 20040
Deputy Director - Oil & Gas Division	PHONE	XXXXXXXX 477–3660	
ITLEMEN:			
he undersigned well operator is entitled to	leil waar the chaus	• •	
he undersigned well operator is entitled to	min upon the above	named farm or tract of land for	or oil and gas, having fee
thereto, (or as the case may be) under grant Kalser Expror	ation and -	<u>March 25th.</u> 1980	<u>by Henry A. Jr.</u>
OO Karanda	Jany	and recorded on the 22nd	day of July
80 in Kanawha County, Book		ge <u>316</u>	
NEW WELLDRILL D	EEPER	_REDRILLFRACT	TURE OR STIMULATE
OIL AND GAS WELL ORIGINALI	Y DRILLED BEFO	RE JUNE 5 1969	one on bimonale
he enclosed plat was prepared by a registere been notified as of the above date.	d engineer or licens	sed land surveyor and all coal	owners and/or operators
			_
he above named coal owners and/or operator nake by Section 3 of the Code, must be recei	are hereby notified	that any objection they wish	to make, or are required
opies of this notice and the enclosed plat were sold owners at their above shown respective a	egarese	day	h-/ Al-
e day with the mailing or delivery of this cop	y to the Departmen	t of Mines at Charleston, West	Virginia.
	Very tr	uly yours.	•
ASE SUBMIT COPIES OF ALL			()
PHYSICAL LOGS DIRECTLY TO:	(Sign N	well Operator	
T VIRGINIA GEOLOGICAL AND		Kaiser Exploration	and Mining Company
NOMIC SURVEY	Address	P 0 Box 8	
O. BOX 879	of Time	obet.	
GANTOWN, WEST VIRGINIA 26505	Well Operator	Ravenswood City or Town	
304 - 292-6331		•	
		West Virginia 261	64
		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 ce and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting filing 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.

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

PROPOSED WORK ORDER TO	Y 555.5	<u> </u>	•		
PROPOSED WORK ORDER TO X DRILL DRILLING CONTRACTOR: (If Known) NAME Clint Hurt & Associates, Inc. ADDRESS P. O. Box 388, Elkview, WV 25071		RESPONSIBLE AGENT:			
		TELEPHONE 273-5371			ox 8, Ravenswood, WV 2616
		TELEPHONE273_	5371		
ESTIMATED DEPTH OF COMPL	ETED WELL: Oriskany	ROTARY X	_ CABLE TOOLS		
PROPOSED GEOLOGICAL FORM					
TYPE OF WELL: OIL_	GAS <u>X</u> CC	MBSTORAC	SE DISPOSAL		
			OODOTHER		
TENTATIVE CASING PROGRAM	∸ I:				
CASING AND TUBING	USED FOR	1177	·. •		
SIZE	DRILLING	LEFT IN WELL	CEMENT HILL UP OR SACKS - CUBIC 1-T.		
20 - 16	•		ON BICKES COM 11.		
13 - 10	250'	250'	150 also -1 A/r		
9 - 5/8	•		150 sks class A(to-stirfa		
8 - 5/8					
7	1900'	1900'	50 aka 50/50		
5 1/3		1500	50 sks 50/50 pozmix 100 sks class A		
4 ½	4570'	4570'	225 sks class A		
3			Perf. Top		
2			Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
IS COAL BEING MINED IN THE	MEA!	BY WHOM?			
	OF OG - 1, \$100.00 PERMIT	FFF PEDECODMANCE T	OND AND PERMANENT COPY		
OF PLAT.		. 22, I EIT ORMANCE E	OND AND PERMANENT COPY		
TO DRILL DEEPER OR REDRILL					
SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO	F OG - 1, SHOWING ORIGINA D 1929, A PERMANENT COP	AL PERMIT NUMBER AN	ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD		
MUST ALSO BE SUBMITTED).	- or life limit AND	THE ORIGINAL WELL RECORD		
O FRACTURE - STIMULATE:			•		
OIL AND/OR GAS WELL ORI BOND, PERMANENT PLAT A	IGINALLY DRILLED BEFORE	JUNE 5, 1929, FIVE (5)	COPIES OG - 1, PERFORMANCE		
OIL AND/OR GAS WELL ORI ING ORIGINAL PERMIT NUM	GINALLY DRILLED ON AND	IOD ASSESS	9. FIVE COPIES OG - 1, SHOW-		
			Inspector to be notified twenty-		
four (24) hours in advance.			"		
The following waiver must be	completed by the coal operation	or if the permit is to be	issued within ten days of receipt		
VALVER: I the undersigned, Agent this lease have examined	for	- Coal Company Owner			
	brace on our mine mans	this proposed well look			
We the	Coal Company have	no objection to the	ell being drilled at this location,		
providing operator has cor	nplied with all rules and samulas	ions in A-4:-1	ell being drilled at this location, 7, Chapter 22 of the West Virginia		
Code.	A with teknist	in Articles 4, 5, and 1	, Chapter 22 of the West Virginia		
•	·				
		Fo	or Coal Company		
			• •		

Official Title