

DEEPWELL

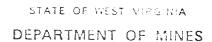
6.6 Rock Costle

STATE OF WEST VINCENTA DEPARTMENT OF MINES

Oil and Gas Division

•			RECORD		Cable	
- Claurood		i CadhaaS Tarrey			Recycling	Comb
Quadrangle Elmwood	1			· ·	Water Flood. Disposal	Storage
Permit No. MAS-236.	**				D1500381	. (Kind)
g Something of the state of the	tion and Mir	ing Compan	V C :	Used in	Left	Cement fill up
Company Kaiser Explo	oration_and_nu_ Ravenswood, V	N 26164	Y Casing and Tubing	Drilling	in Well	Cu. ft. (Sks.)
. Leoma Teets	Acre	5.1.27.240			3	
Conserved Mudl	ick tork	Marketine and the first the contract of the co	Size			
KIM. #43	Elev	1. 1.7.20	20-16 Cond.			
District Union	County_FldSt]	13-10" 10 3/4	260'(KB)	260' (KB)	150 sks cl
The surface of treet is ow Leona Teets		and the confidence of the conf	9 5/8		,	3% cacl ₂ (t
The Box A	53 A. Leon, WV.	731737	8 5/8	(QV) I TO A C	DAGI (KR)	65 sks 50/ 100 sks cl
The second of th	w Same as abou	V C	5 1/2	743 L / VOT	77 (10	(1400' fil
22.15.1. A	2) min as and	W No.	4 1/2	4774'(KB)	9774'(KB	225 sks 50
Desiring Contributed 10	UZBZBU V15/80	B. C.	3	on and collection program assumption of the contradition of the collection of the co		(2000 11
15 M	l cu, N	bois.	2		4701 (KB	
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	l) cu. ft. per play 🗀	E bois.	Liners Used			
- Wall of on 14	his before fest.	DOURL RP.	· Attach copy of c	ementing rec	orđ.	
will assument details: Fortgrated Orishal		7001 (V B) A holes/ft.	32 holes	, .41" di	ameter (Bas
Parturated Oriska Sarveys); 18/13/86	ay Irom 4/01	and B.J. H	ughes on locat	ion to hy	drofractu	re formatio
Sorveys); 10/13/86 - cred 30,000 80/10)() sand and 30,	000# 20/40	sand, 1000 ga	1 28% HCL	acid, 10	DDM and 525
- 200,000 501 of ni	trogen; 2419 Ny	draulic ho	il 26homei * Terca		and the second of the second of	per and ses
reclination promutes.	5400 paig	The same of the sa	and the second s	ne i dan dalam inin salam nganinan dalam iyan inin 1984 dan dan	No. So., 1989, 1980, 1989, 1980, 1980, 1980, 1980, 1980, 1980, 1980, 1980, 1980, 1980, 1980, 1980, 1980, 1980, 198	And the second s
	None	Fe	A CONTROL OF THE CONT	lncl	es	
The description of at			Cale 1	Water		Feet
Trech warms on tak	any Sandstone	. The second	Dept.	h4/VI'-	4709 101	9.4.1
6 / *		and the second s				
Township Color	Mark to the transfer	Top Feet	Bottom Feet	Oil, Gas	or Water	* Kemarks
	· · · · · · · · · · · · · · · · · · ·	The second secon	Strate on the			
will & Shale		61	28 61 291			
Continue.		291	438			
Constant		438	462	t		•
thirte:	4	462 518	518 538			
Sand Male	,	538	687	-		
Sand	•	687.	723 924			
Shale	No.	723 924	956		y.	
		956	1024	,		
* x + 3 & 4 × 8		1024	1064			
1. free } 47		1064	1126			
Salt Sand		1252	1276			
Sand		1276	1290		\$	
Shale	1	1290 1327	1349			
esond Thilline		1349	1644			
A Could		1604 1662		MARIE CONTRACTOR CONTR		
* , \$: : 1		1684	1876		¥	Mary States
kig Lime Shale		1876	1017	ÿ		

The State of History	Top Fist		Od. Gre de Water Romania.
Big Injun Shale Coffee Shale Berea Sand GR log et 1150 KB	1917 2049 2358 2387	2049 2358 2387 2400	Tobs FROM XB = 750' Show/Gas 3066'
Shale Brown Shale Shale Marcellus Shale	2400 3585 4041 4385 4608	3585 4041 4385 4608 4680	Show/Gas 4429°
Onondaga Lime Oriskany Sand Helderberg Lime	4680 4717	4717 4810	Show Gas 4705°
Total Depth	4810	The state of the s	
CR log et 750'KB H 3592 J 4040 A 4175 Rh 4386 On 4608			
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Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

O THE DEPARTMENT OF MINES,

Charleston, W. Va.	DATE August 4, 1980			
rface Owner Leoma Virginia Teets	CompanyKaiser Exploration and Mining Company			
dress Rt. 3, Box 153A, Leon, WV 25123	Address P. O. Box 8, Ravenswood, WV 26164			
neral Owner Same as above	Farm Leoma Teets Acres 15 1/8			
ddress Same as above	Location (waters) Mudlick Fork			
oal Owner Union Carbide Corporation	Well No. KEM #43 Elevation 739.98			
ddress 32 Sanderson Road, Clendenin, WV 25045	District Union County Mason			
oal Operator None	Quadrangle Elmwood			
ldress				
PERMIT MUST BE POSTED AT THE WELL SITE				
provinces being in accordance with Chapter 2,				
i vi vi cija iko localica je hereby gporoved	CHECTOR			
	SPECTOR BE NOTIFIED <u>Kenneth Butcher</u>			
regions have not commenced by 4-18-81				
ADI	DRESS <u>RFD #1, Barboursville, WV</u>			
Deputy Director - Oil & Gas Division PHO	ONE <u>736-4885</u>			
the column of th				
NTLEMEN:				
the undersigned well operator is entitled to drill upon the s	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 dat	ed March 24, 1980 by Leoma			
80, in Mason County, Book 47	ining nGO recorded on the 27th day of March			
	•			
NEW WELLDRILL DEEPER	REDRILLFRACTURE OR STIMULATE			
OIL AND GAS WELL ORIGINALLY DRILLED	BEFORE JUNE 5, 1969.			
The enclosed plat was prepared by a registered engineer or e been notified as of the above date.	licensed land surveyor and all coal owners and/or operators			
The above named coal owners and/or operator are hereby no	itilied that any objection they wish to make a manager			
make by Section 3 of the Code, must be received by, or file	d with the Department of Mines within ten (10) days. *			
Copies of this notice and the enclosed plat were mailed by re	egistered mail or delivered to the above			
coal owners at their above shown respective address—e day with the mailing or delivery of this copy to the Depar	day hefore or on the			
	-			
EASE SUBMIT COPIES OF ALL	ery truly your.			
SPHYSICAL LOGS DIRECTLY TO:	nen Name) . A			
ST VIRGINIA GEOLOGICAL AND	R. A. Pryce			
ONOMIC SURVEY Address Address	Kaiser Exploration and Mining Company			
O. BOX 879 CANTOWN WEST VIRGINIA 26505 Well-Operato	and the state of t			
RGANTOWN, WEST VIRGINIA 26505.	City or Town			
	Ravenswood, WV 26164			
AHC - 7 19	Sizte			
	www.			

47-053-0236

(Formerly MAS-0233)

CALL & GAS DIVESION CONTROL OF A CONTROL OF

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

PROPOSED WORK ORDER TO		DEEFEN	_ FRACTURE-STIMULATE		
ORILLING CONTRACTOR: (H K	·	RESPONSIBLE AGENT:			
NAME Burdette Drilling Com					
ADDRESSP. O. Box 10167, Ch					
relephone <u>744-1361</u>					
		ROTARY X	CABLE TOOLS		
ROPOSED GEOLOGICAL FORM					
TYPE OF WELL: OIL	GAS X CO	MBSTORA	AGE DISPOSAL		
	RECYCLIN	G WATER	FLOOD OTHER		
TENTATIVE CASING PROGRAM:	egenija (* *). •		·		
CASING AND TUBING	USED FOR	LEFT IN	CEMENT PHI, UP		
SIZE	DRILLING		OR SACKS - CUBIC IT.		
0 - 16 - 74 - 75 - 75 - 75 - 75			and the second s		
3 - 10	001		<u> </u>		
- 5/8 10 3/4"	250!	250'	Cement back to surface		
3 - 5/8	04703				
*	2470'	2470'	125 sks = 570'		
¥.	4850'	4850'	125 sks = 1500'		
			Perf. Top		
			Perf. Bottom		
iners			Perf. Top		
			Perf. Bottom		
OF PLAT. TO DRILL DEEPER OR REDRILL: SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED OFRACTURE - STIMULATE: OIL AND/OR GAS WELL ORIGINAL PERMIT NUMBER OIL AND/OR GAS WELL ORIGING ORIGINAL PERMIT NUMBER OIL ORIGINAL PERMIT NUMB	OG - 1, SHOWING ORIGIN 1929, A PERMANENT COP GINALLY DRILLED BEFORE ND ORIGINAL WELL RECO GINALLY DRILLED ON AND BER, AND PERFORMANCE B	AL PERMIT NUMBER PY OF THE PLAT AN E JUNE 5, 1929, FIVE (RD. D/OR AFTER JUNE 5, 1	AND PERFORMANCE BOND. ON D THE ORIGINAL WELL RECORD 5) COPIES OG - 1, PERFORMANCE 1929, FIVE COPIES OG - 1, SHOW- se. Inspector to be notified twenty-		
		and the second second			
The following veriver must be ereof.	completed by the coal opera	tor if the permit is to	be issued within ten days of receipt		
AIVER: I the undersigned, Agent	for	Coal Company, Ow	ner or Operator of the coal under		
this lease have examined	and place on our mine map	s this proposed well lo	cation.		
We the	Coal Company ha	ve no objections to said	well being drilled at this location,		
providing operator has con	pplied with all rules and regula	tions in Articles 4, 5, ar	nd 7, Chapter 22 of the West Virginia		
		1	the control of the co		
	•	Married to the control of the contro			
			For Coal Company		

Official Trile