

(Obvers	•)	*	REVISED		: [전통자 = 200 등 기술	. KE1 - 7
[08-78]			WELL OPERATOR	G REPORT		-
					3 시 성원 <u>조</u> 1 18 81 11	47 - 053 - 02 (Formerly Mas-204)
						(Formerly Mas-204)
WELL TYPE: C.	-	725 X /	idania Indestion		Diorest.	
	: "Jas", P	rosuction x	_/ Underground	Storan		
LOCATION: ET	evation:	884.50	Wathrahed: _	Thirteen Mi	le Creek	
51	31713::	Union		la son	· · · · · · · · ·	Elmwood (7.5°)
115° • • • • • • • • • • • • • • • • • • •	V-:	•				<u>зитмоод</u> (7.5°)
en an annual and an annual an	Naiser D	xploration a	nd Mining Co.		SAM	Æ
	P. O. I			Ad in the		
-	Ravensv	wood, WV 261	64			
	. "					
			Drill dee			ECEPTORES
	STAR OL:	Fold formati	in/ Ferro	rate new forma	ition	ecelved.
	Other ;	hydical chung	e in well (speci:	(у)		_EED 0 _ 1002
	-	······································				
PERMIT ISSUED	ox Septe	mber 25	,80	6.71 6 3/2		DIL AND GAS DIVISION WYDEPARTMENT OF MINES
(IF APPLICABLE	: Plwaaiw	1 OF DPV HOTE		U.L. & 1A.()	WEBSTOR FLR TH	L WORK:
CONTINUOU REWORKING	S PROGRESO:	ion FROM DRIL TERMICUION OF	TIMOR	Hame Ke	enneth Butcher	(736–4885)
			- ۸ د اوت کا ۲۰۰۰ کا ۲	Aldreso	RFD #1	
					Barbours	ville, W 25504
NEW DOLLAR	ABI PORMAÇÎ	ON: (FPIUGGEO	Oriskany; Frac	ture Shale	Depth 4	942'(KB) Seet
	.ompleted M	ell, <u>4/38</u> .	(RB) feet Ro	stary /	Jable Tools	
Water stro	ita depth:	Fresh,		feet.		
Coal seam	depths:	NONE	Is coal b	eing mined in	the area: NO	
ACK Work was o	ommenced _	July 28	, 19 81	and complete	d December 3	22 , 1981
******				,		, 1901
inter and less	NG FROGRAM	: See prev	ious well recor	d filed upon	completion of	of Oriskany Sandstone.
UBING TYPE	CPECI	FICATIONS Weight	FOOTAGE	THTERVALS	NORMENT FILLS	PACKERS
	se Synde	rer ft New 1	Incom For iniliana	lieft in well	OR SACKS	The state of the s
neuetor						W
nob water			- California			Finds
112						
ionmediate						Sines
rduction						
2125						Testhe set
						Perforations: Marcellu
					1	4540Top4706 Bottom
						Brown Shale
						3979-4170
EN FLOW DATA						
Derouge in a	ر د په د استونۍ پ	Dormaian	Omi -3 0 3 .	•		
636		<u> </u>	Oriskany Sandst	one OLD	Jay some forth	4806'-4844' (KB)
3,13,	Airabaida ngi	n flow, Irac	Ce/_Met/d	Oll: Initial	open flow,	OHri/i
:	ruar oben	120W, <u>40</u> U	in: f/d	Final or	on flow.	0 (4.17)
	4 × 100ξ*	a open ii 🕳 (potwern initial:	ind final test	- N/A rouse	
Statio	medic press	1600	_ psig (surface s	masumement) a	rer 8 hour	w okar te
o mara ne je i i i i i i i i i i i i i i i i i i	1	Tike I the comment	nictionl		•	· 1.
Second produ	សេរីជាក្ វិក្រាសា	:: : Marc	cellus, Brown Si	nale NEW		3979-4706! (KB)
Gno: I		n flow, (50	105/1	* * * * * * * * * * * * * * * * * * * *	and an	Teet
<u>.</u>		The state of the s	7/4 // // // // // // // // // // // // /	to the second se	en ilw,	· · · · · · · · · · · · · · · · · · ·
	Time	the second of				
			nienni initia. G	NA IIME, MANA	10 4.	MN 1 0 1983
	• •	• • • • • • • • • • • • • • • • • • • •	ng kanamatan Panggalan Sanggalan Sanggalan Sanggalan Sanggalan Sanggalan Sanggalan Sanggalan Sanggalan Sanggal Sanggalan Sanggalan	t de estat et en ge		Soft Boll & M. There was

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

28/81: Set permanent bridge plug in 4 1/2" casing above Oriskany Sandstone at 4738'(KB).

07/81: Perforated the Marcellus Shale with 22 holes (.50" diameter, 3 1/2" ceramic jets) from

4540'-4706'(KB). 14/81: Fractured the Marcellus Shale interval with 1,178,000 SCF of nitrogen and spearhead fracture with 500 gallons of 15% HCL Acid. Formation fractured at a rate of 64,000 SCF/m. with an average treating pressure of 2600 psig.

with an average treating pressure of 2000 psig.

/21/81: Set retrieveable bridge plug at 4235'(KB) and perforated the Brown Shale from 3979'-4170'

(KB) with 24 holes using 3 1/2 glass jets.

/22/81: Foam fractured the Brown Shale interval using 15,000# 80/100 sand, 45,000# of 20/40 sand, 380,000 SCF of nitrogen, 311 bbl of water, and spearhead fracture with 500 gal. of HCL Acid. Formation treated at an average rate of 11 BPM and an ave. pressure of 1925 psig. Instantaneous shut in pressure was 1000 psig.

790	•		٠	_	m
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FORMATION	Color	Hard or		Bott		Includ's	Re	marks	all fresh
NOTE: See previous well Formation Color Har				_	riska	ny.		cation by	all fresh il and jas
Soil Sand Shale		- 0 - 6 104	Bottom 6 104 208	reet	01,	Gas or Wa	ier -	* Remarks	
Sand Shale Red Rock Sand Shale Sand Shale		208 258 328 588 600 728	258 328 588 600 728 750		_	1005	FR	m 595'	
Sand Shale Sand Shale - Sand Shale		750 832 856 934 952 990 —	832 856 934 952 990 –				(6=	895'	
Sand Shale Sand Shale Sand Shale Shale Big Lime		1137 1154 - 1184 1248 1324 1448	1137 1154 1184 1248 1324 1448		WZZ.		· · · · · ·	\ : -	
Shale Big Injun Shale Coffee Shale Berea Sand	· · · · · · · · · · · · · · · · · · · ·	1896 2030 2084 2150 2504 2528	2030 2084 2150 2504 2528	estanciamentalism			•		
Shale Brown Shale Shale Marcellus Onondaga Lime Oriskany Sand	· ·	2540 3712 4176 4501 4739 4813	2540 3712 4176 4501 4739 4813 4856	es emecans es ententes es	Show	w/Gas 4	3852', 1528',	4067° 4653°	3678',36
Helderberg Lime Total Depth		4856 4942	4942	to de description de	C Commence of the control of the con	√Gas 4		4842°	
TE: Regulation 0.01/ft professions:	ကေးစဉ်သံချော အ				414	2 ·			25. °

21 AS14 Cr 4740





CAL & GAS DIVISION ELFT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPA	ARTMENT OF MINES,			
Charle	ston, W. Va.	DATE	February 19, 19	79
Surface Owner	Grace M. Morrison	_ Company_	Kaiser Explorat	ion and Mining Compa
	1, Box 372, Leon, WV 25123	Address	P. O. Box 537, I	Ripley, WV 25271
Mineral Owner_	Same as above	_ Farm_	Grace M. Morriso	on Acres 168
Address	Same as above	_ Location (v	Thirteen M	
Coal Owner	Same as above		KFM #7	Elevation 856.38
Address	Same as above	_ District	Union	County Mason
Coal Operator	None	Quadrangle_	[] million d	
A 1.7	None MIT MUST BE POSTED AT THE WELL SIT	<u> </u>		
All provis	sions being in accordance with Chapter 22 7. Va. Code, the location is hereby approve			
for	drilling . This permit shall expire	CO BE NOTIF	EED Kenneth Bu	tcher
operations	s have not commenced by	. *	D #1, Barboursvil	le, WV 25504
Siehil	v Director - Oil & Gas Division	PHONE 73	6-4885	•
GENTLEMEN:				
	ed well operator is entitled to drill upon th	e above named	farm or tract of land fo	or oil and gas, having fee
title thereto (or	as the case may be under grant or lease	Septem	mber 10, 🔒 78	Grace M.
Morrison	made to Kaiser Exploration &			day ofSeptember
$19\overline{78}$, in \underline{M}	ason County, Book 43	Page	565	
XXX NE	W WELLDRILL DEEPER	REDR	ILLFRACT	URE OR STIMILLATE
	AND GAS WELL ORIGINALLY DRILLE			
The enclosed phave been notified	plat was prepared by a registered engineer d as of the above date.	or licensed land	surveyor and all coal of	owners and/or operators
The above nar to make by Secti	med coal owners and/or operator are hereby on 3 of the Code, must be received by, or	notified that ar filed with the D	ny objection they wish t epartment of Mines with	o make, or are required nin ten (10) days. *
or coal owners a	notice and the enclosed plat were mailed by it their above shown respective address be mailing or delivery of this copy to the De		day	before, or on the
	- CODITION OF ALL	Very truly you	rs,	
	T COPIES OF ALL LOGS DIRECTLY TO:	(Sign Name)	R.A. Ym	Chame
			~	Operations Manager
in an an	m mannenverians materiales	***************************************	0. Box 537	
중에 발표를 하는데 되었다. 요. 전	S CONSERVATION COMMISSION Addre		Street	
얼마 얼마를 보다 하는 것을 다 했다.	ON STREET, EAST	rator K1	pley,	
harleston, We	ST VIRGINIA 25311	† 1	City or Town	7
		we	st Virginia 2527	I
			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 notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the 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 and the well operator authorized to proceed.

(201): 47-053-0185 PERMIT NUMBER now: mas 204

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

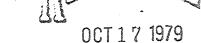
PROPOSED WORK ORDER TO	X DRILL	DEEPEN	FRACTURE-STIMULATE		
DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT:			
NAME Not known at this	time	NAME Robert	A. Pryce		
ADDRESS			Box 537, Ripley, WV 25271		
TELEPHONE	* O O O		2-2827 or 372-2828		
ESTIMATED DEPTH OF COMPLI		ROTARY X	CABLE TOOLS		
PROPOSED GEOLOGICAL FORM	IATION: Uriskany				
TYPE OF WELL: OIL_	GAS X	COMBSTOR	AGEDISPOSAL		
	RECYCL	ING WATER	FLOODOTHER		
TENTATIVE CASING PROGRAM:	:				
CASING AND TUBING	манический на в потомнений на применений на	EXPRINTS STATE OF A CONTRACT LINE AND A CONTRA			
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.		
20 - 16	A CONTRACTOR OF THE PROPERTY O	A MANAGAM - TO TO TO THE TO THE TOTAL AND THE T			
13 - 10					
9 - 5/8 10 3/4	250	250	Cement to surface		
8 - 5/8	OFFO				
7 5 ½	2550	2550	125 sks = 560 feet		
4 ½	4900	4900	125 sks = 1500 feet		
3	1000	1500			
2			Perf. Top Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
SUBMIT FIVE (5) COPIES OF PLAT. FO DRILL DEEPER OR REDRILL SUBMIT FIVE (5) COPIES OF	OF OG - 1, \$100.00 PERMI .: F OG - 1, SHOWING ORIGI	IT FEE, PERFORMANC	E BOND AND PERMANENT COPY C AND PERFORMANCE BOND. ON		
MUST ALSO BE SUBMITTED).).	OPY OF THE PLAT AI	ND THE ORIGINAL WELL RECORD		
O FRACTURE - STIMULATE:					
OIL AND/OR GAS WELL OR	IGINALLY DRILLED BEFO	RE JUNE 5, 1929, FIVE	(5) COPIES OG - 1, PERFORMANCE		
BOND, PERMANENT PLAT A	AND ORIGINAL WELL REC	CORD.			
OIL AND/OR GAS WELL ORI	IGINALLY DRILLED ON A	ND/OR AFTER JUNE 5,	1929, FIVE COPIES OG - 1, SHOW-		
ING ORIGINAL PERMIT NUM					
Required forms must be filed	within ninety (90) days of o	completion for bond rele	ase. Inspector to be notified twenty-		
four (24) hours in advance.					
			,		
		The state of the s			
The following waiver must be	completed by the coal one	rator if the normit is to	be issued within ten days of receipt		
hereof.	completed by the coal obe	sator if the permit is to	be issued within ten days of receipt		
VAIVER: I the undersigned, Agent this lease have examined	for for and place on our mine ma	Coal Company, Ox	wner or Operator of the coal under ocation.		
			d well being drilled at this location,		
providing operator has con	mplied with all rules and regu	alations in Articles 4, 5, a	and 7, Chapter 22 of the West Virginia		
and the second second					
			For Coal Company		

Official Title



STATE OF WEST VIRGINIA





OF & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION



	·
TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE October 11, 1979
Surface Owner Grace M. Morrison	Company Kaiser Exploration and Mining Company
Address Route 1. Box 372. Leon. WV 25123	
Mineral Owner Same as above	Farm Grace M. Morrison Acres 168
Address Same as above	Location (Waters) Thirteen Mile Creek
Coal Owner Same as above	Well No. KEM #7 Elevation 856.38
Address : Same as above	· · · · · · · · · · · · · · · · · · ·
	Quadrangle Elmwood
Address None	- Qusarangie 2111111000
HIS PERMIT MUST BE POSTED AT THE WELL SITE	
All provisions being in accordance with Chapter 22,	Control of the Contro
of the W. Va. Code, the location is neverly approved	INSPECTOR
drilling . This permit shall expire it	TO BE NOTIFIED Kenneth Butcher
operations have not commenced by 7-5-80	ADDRESS RFD #1. Barboursville, WV 25504
Total h dels	ADDRESS RFD #1, Barboursville, WV 25504
Deputy Director - Oil & Gas Division	PHONE 736-4885
GENTLEMEN:	
•	e above named farm or tract of land for oil and gas, having fee dated September 10, 1978 by Grace M.
Morrison ————————————————————————————————————	Mining Corecorded on the 6th day of September
19 78 in Mason County, Book 43	Page 665
MMM :	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLE	
	D BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer have 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 to 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 by or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the De	registered mail, or delivered to the above named coal operators day
	Very truly yours,
PLEASE SUBMIT COPIES OF ALL	DA D
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) CA. Well Operator
WEST VIRGINIA GEOLOGICAL AND	R. A. Pryce/Operations Manager P. O. Box 8
ECONOMIC SURVEY Addre	
P. O. BOX 879 of Well Ope:	rator Ravenswood
MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	City 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 notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the 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 and the well operator authorized to proceed.

(Formerly: MAS-185)

BLANKET BOND

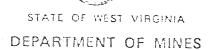
47-053-0204

PERMIT NUMBER

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

PROPOSED WORK ORDER TO.	DRILL	DEEPEN FRACTURE-STIMULATE				
DRILLING CONTRACTOR: (If	•	RESPONSIBLE AGEN				
NAME Not known at this	time	NAME Robert A. Pryce				
ADDRESS	4		x 8. Ravenswood. WV 26164			
TELEPHONE			371			
ESTIMATED DEPTH OF COMPL		ROTARY X	_ CABLE TOOLS			
PROPOSED GEOLOGICAL FORM						
TYPE OF WELL: OIL_	•		GE DISPOSAL			
•	RECYCL	ING WATER F	LOOD OTHER			
TENTATIVE CASING PROGRAM	;.					
The state of the s	···	,				
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP			
SIZE	DRILLING	WELL.	OR SACKS - CUBIC FT.			
20 - 16 13 - 10						
9 - 5/8 10 3/4	250	250	Cement to surface			
8 - 5/8			Lement to Surface			
7	2550	2550	125 sks = 560 feet			
5 1/2	*****					
4 ½	4900	4900	125 sks = 1500 feet			
2			Perf. Top Perf. Bottom			
Liners			Perf. Top			
			Perf. Bottom			
APPROXIMATE FRESH WATER	DEPTHS FEET	SALT WATER	RFEET			
APPROXIMATE COAL DEPTHS	•		1 100 1			
IS COAL BEING MINED IN THE		BY WHOM?				
THE TOTAL Y						
TO DRILL:	03 00 1 0100 00 0000					
OF PLAT.	OF OG - 1, \$100.00 PERM	HT FEE, PERFORMANCE	BOND AND PERMANENT COPY			
TO DRILL DEEPER OR REDRIL	Y .					
WELLS DRILLED PRIOR T	OF OG - 1, SHOWING ORIG O 1929. A PERMANENT (GINAL PERMIT NUMBER A COPY OF THE PLAT AND	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD			
MUST ALSO BE SUBMITTE	D.	/	THE OWNER WHILE RESOURCE			
TO FRACTURE - STIMULATE:						
	RIGINALLY DRILLED REFO	OREJUNE 5 1929 FIVE (5	COPIES OG - 1, PERFORMANCE			
BOND, PERMANENT PLAT	AND ORIGINAL WELL RE	CORD.	y correct of a filler of when the			
OIL AND/OR GAS WELL OF	RIGINAĻLY DRILLED ON A	AND/OR AFTER JUNE 5, 1	929, FIVE COPIES OG - 1, SHOW-			
ING ORIGINAL PERMIT NU	MBER, AND PERFORMANC	E BOND.	<u>.</u> .			
Required forms must be filed	l within ninety (90) days of	completion for bond releas	e. Inspector to be notified twenty-			
four (24) hours in advance.	•					
		-				
The following waiver must b	re completed by the coal or	constant if the normal is to b	e issued within ten days of receipt			
thereof.	re commerce by one coat of	relates in the permit is to the	e issued within win days of receipt			
WAIVER: I the undersigned, Age	nt for	Coal Company, Owr	ner or Operator of the coal under			
	ed and place on our mine r					
We the	Coal Company	have no objections to said	well being drilled at this location,			
			d 7, Chapter 22 of the West Virginia			
Code.			See See			
-g			S-m.,			
		Mark der Partie und einzelte der der Schalle der Freihalte der Freihalte der Anders der Gestelle der der Schalle	For Coal Company			

Official Title





Oil and Gas Division

OLGES DIVISION DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	num Contombon 25 1000
	DATE September 25, 1980
face Owner Grace M. Morrison	Company Kaiser Exploration and Mining Compan
Rt. 1, Box 372, Leon, WV 25123	Address P. O. Box 8, Ravenswood, WV 26164
eral Owner Same	Farm Grace M. Morrison Acres 168
aress Same	Location (waters) Thirteen Mile Creek
l Owner Same	Well No. KEM #7 Elevation 884.50
_{Iress} Same	
l Operator None	District Union County Mason Quadrangle Elimwood
TOTAL MORE BE POSTED AT THE WELL SITE	Quota ting it
provisions being in accordance with Chapter 22, the W. Va. Code, the location is hereby approved	
drilling This permit show expire"	INSPECTOR
perations have not commenced by 5-25-81	TO BE NOTIFIED <u>Kenneth Butcher</u>
N 1 Budeto _	ADDDUCC DED UIL D ALLE LINE OFFOR
Deputy Director - Oil & Gas Division	ADDRESS RFD #1, Barboursville, WV 25504
Debuty Tra	PHONE <u>736-4885</u>
TLEMEN:	
	of the second of the first of the second of the second The second of the second of
ne undersigned well operator is entitled to drill	upon the above named farm or tract of land for oil and gas, having fee
thereto, (or as the case may be) under grant o	r lease dated September 10, 1978 by Grace M
<u>rison</u> made to Kaiser Explorati	-n and Mining Co.
	and recorded on the othe day of September
8 in Mason County, Book	43 Page 665
8 in Mason County, Book	43 Page 665
(NEW WELLDHILL DEEP	Page 665 ERREDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY I	Page 665 ERREDRILLFRACTURE OR STIMULATE DRILLED BEFORE JUNE 5, 1969.
OIL AND GAS WELL ORIGINALLY In enclosed pizt was prepared by a registered en	Page 665 ERREDRILLFRACTURE OR STIMULATE
NEW WELLDELL DEEP OIL AND GAS WELL ORIGINALLY I he enclosed plat was prepared by a registered enclosed plat was prepared by a registered enclosed as of the above date.	Page 665 ERREDRILLFRACTURE OR STIMULATE DRILLED BEFORE JUNE 5, 1969. Regineer or licensed land surveyor and all coal owners and/or operators hereby polified that any objection thereby polified thereby polified that any objection thereby polified ther
NEW WELL	Page 665 ERREDRILLFRACTURE OR STIMULATE DRILLED BEFORE JUNE 5, 1969. Ingineer or licensed land surveyor and all coal owners and/or operators
NEW WELL DEEP OIL AND GAS WELL ORIGINALLY I he enclosed plat was prepared by a registered enclosed plat was prepared by a registered enclosed plat was of the above date. he above named coal owners and/or operator are take by Section 3 of the Code, must be received opies of this notice and the enclosed plat were moal owners at their above anown respective addresses with the mailing or delivery of this copy to	Page 665 ER REDRILL FRACTURE OR STIMULATE ORILLED BEFORE JUNE 5, 1969. Ingineer or licensed land surveyor and all coal owners and/or operators hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * alled by registered mail, or delivered to the above named coal operators
NEW WELL DEEP OIL AND GAS WELL ORIGINALLY I he enclosed plat was prepared by a registered enclosed plat was prepared by a registered enclosed plat was of the above date. The above named coal owners and/or operator are take by Section 3 of the Code, must be received opies of this notice and the enclosed plat were moal owners at their above shown respective addresses with the mailing or delivery of this copy to ASE SUFMIT COPIES OF ALL	Page 665 ER REDRILL FRACTURE OR STIMULATE DRILLED BEFORE JUNE 5, 1969. Thereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * ailed by registered mail, or delivered to the above named coal operators the Department of Mines at Charleston, West Virginia. Very truly your.
NEW WELL DELILL DEEP OIL AND GAS WELL ORIGINALLY I been notified as of the above date. The above named coal owners and/or operator are take by Section 3 of the Code, must be received opies of this notice and the enclosed plat were moal owners at their above shown respective addresses with the mailing or delivery of this copy to ASE SUFMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:	Page 665 ER REDRILL FRACTURE OR STIMULATE DRILLED BEFORE JUNE 5, 1969. Ingineer or licensed land surveyor and all coal owners and/or operators hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * ailed by registered mail, or delivered to the above named coal operators of the Department of Mines at Charleston, West Virginia.
NEW WELL DEEP DEALL DEEP OIL AND GAS WELL ORIGINALLY I he enclosed plat was prepared by a registered enclosed plat was prepared by a registered enclosed notified as of the above date. The enclosed plat was prepared by a registered enclosed plat was prepared by a registered enclosed notified as of the above date. The enclosed plat was prepared by a registered enclosed plat were more above named coal owners and/or operator are lake by Section 3 of the Code, must be received opies of this notice and the enclosed plat were more oal owners at their above shown respective address with the mailing or delivery of this copy to ASE SUFMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO: The VIRGINIA GEOLOGICAL AND	Page 665 ER REDRILL FRACTURE OR STIMULATE DRILLED BEFORE JUNE 5, 1969. Ingineer or licensed land surveyor and all coal owners and/or operators hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * ailed by registered mail, or delivered to the above named coal operators of the Department of Mines at Charleston, West Virginia. Very truly yours. (Sign Name) Viell Operator R. A. Pryce/Operations Manager P. O. Box 8
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Successors 3.1.1. If no objections are fall to found to the interest of states, which said provided to fall the receipt of naturally the department of natural transfer of the department of natural transfer of the department of the natural transfer of the department of the natural transfer of the department of the natural transfer of the nat

BARRIANDA DA

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

PROPOSED WORK ORDER TO_	XDRILL	DEEPEN FF	RACTURE STIMULATE
DRILLING CONTRACTOR: (If I	(nown)	RESPONSIBLE AGENT:	
NAME Not known at this ti	me	NAME R. A. Pryce	•
ADDRESS		ADDRESS P. O. Box 8	3, Ravenswood, WV 26164
TELEPHONE		TELEPHONE 273-5371	
ESTIMATED DEPTH OF COMPLE			CABLE TOOLS
PROPOSED GEOLOGICAL FORM	ATION: Oriskany		
TYPE OF WELL: OIL_		MR STOPACE	DISPOSAT
			ODOTHER
	TEDO Y ODIN	O WAILN FLO	ODOTHER
TENTATIVE CASING PROGRAM:	-		
CASING AND TUBING	USED FOR	LEFT IN	CEMENT EILL UP
SIZE	DRILLING	WELL	OR SACKS - CUBIC IT.
20 - 16 13 - 10		- The second sec	
9 - 5/8 10 3/4	250	250	Cement to surface
8 - 5/8			Comerce co sur race
7	2550	2550	125 sks = 560 feet
5 ½			
4 ½	4900	4900	125 sks = 1500 feet
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top Perf. Bottom
			Terr. Bottom
AND CANAL PROPERTY AND A	~ F-74TH 2 C	•	
APPROXIMATE FRESH WATER I			FEET
APPROXIMATE COAL DEPTHS_	No.		
IS COAL BEING MINED IN THE	AREA? NO	BY WHOM?	
TO DRILL:			
SUBMIT FIVE (5) COPIES (OF OG - 1, \$100.00 PERMIT	FEE, PERFORMANCE BO	ND AND PERMANENT COPY
OF PLAT.			
TO DRILL DEEPER OR REDRILL	.		
SUBMIT FIVE (5) COPIES O	F OG - 1, SHOWING ORIGIN	AL PERMIT NUMBER AN	D PERFORMANCE BOND. ON
WELLS DRILLED PRIOR TO) 1929, A PERMANENT CO	PY OF THE PLAT AND T	HE ORIGINAL WELL RECORD
MUST ALSO BE SUBMITTED).		
TO FRACTURE - STIMULATE:			
OIL AND/OR GAS WELL OR	IGINALLY DRILLED BEFOR	E JUNE 5, 1929, FIVE (5) C	OPIES OG - 1, PERFORMANCE
BUND, PERMANENT PLAT	AND ORIGINAL WELL RECO	ORD.	
OIL AND/OR GAS WELL OR	GINALLY DRILLED ON ANI	D/OR AFTER JUNE 5, 1929	, FIVE COPIES OG - 1, SHOW-
ING ORIGINAL PERMIT NUM			
Required forms must be filed	within ninety (90) days of co	mpletion for bond release.	Inspector to be notified twenty-
four (24) hours in advance.			
The following waiver must be	completed by the coal open	stor if the marrie in to be:	ssued within ton days of receipt
thereof.	completed by the coal opera	sor ii the permit is to be i	ssued within ten days of receipt
WAIVER: I the undersigned, Agent	for	Coal Company, Owner	or Operator of the coal under
	and place on our mine map		
			ell being drilled at this location,
providing operator has co	mplied with all rules and regul	ations in Articles 4, 5, and 7	, Chapter 22 of the West Virginia
Code.)
· •	`		Eq. (See) and the second seco
		I-o	r Coal Company
		and the second s	Official Title

PARTIAL PLUGGING

PORM DO-8

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

AUG - 6 1982

OIL AND GAS WELLS DIVISION

RECEIVED

AFFIDAVIT OF PLUGGING AND FILLING WELL OF MINES AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

o ragae i a ranc a an ann an	OPERATOR OR OWNER	KALSE	R EXPLORATION AND	· · · · · · · · · · · · · · · · · · ·	der a learn de restrict frage - spragg
справоднация выполнения в почта в почта в почта в почта в почто в почт	2005/г/техт н. в тамараж мыслима одно втогородилостичного положения по соложения поставления была година одного	_P_Q	Box 8, Ravenswo		26164
	eszroga		Complete addi	8668	4.8
COAL	OPERATOR OR OWNER	Spirania del del compresso del	WELL AND LO	ATION	19
gazzan-steperategi anustanssasta procente minner de estentarizzana conseptente percente e	од филомом и выможения принцен и принцен принцен принцен принцен принцен принцен принцен принцен принцен принце		NION	*******	_District
GRACE M. MORR		М	ASON		~
Challes and restrict the constant and the second se	OR PROPERTY OWNER	Afternoon and the second and the sec	er og en	***************************************	County
RT. 1, BOX 37	2, LEON, WV 25123	Well N	ToKEM-7	affron et es ellerista an de escas escas et al acua de escas que	
		GRACE	MORRISON		Farm
STATE INSPECTOR	SUPERVISING PLUGGING KENN	ETH BUTC	HER	\$\$ 0 \$\$\$ \$\$\$ \$\$ 4 0 \$\$\$ 1 16 5 \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	· වල්ලි එම වගේ ර සිදුක් ලික අතුබුල්ල
	AFFII	DAVIT			
STATE OF WEST					
County of MASON	ss:				
*	,	m	D I Coty		
being first duly sy	Pryce Forn according to law depose	andt	R. L. Coty	and in the	
plugging and filling	goil and gas wells and were em	nlored by	ran errol are exherrer	icea m me	MOLK OF
well operator, and	participated in the work of plu	gging and	filling the above w	ell, that s	aid work
was commenced on	the 28th day of JULY		. 19. 81 and that th	e well we	haggad
and filled in the fo	llowing manner:			C 44 CTT 44 CT	bragged
SAND OR ZONE RECORD	FILLING MATERIAL	managan da ang managa	PLUGS USED	CA	SING .
FORMATION		and the second s	SIZE & KIND	CSG PULLED	CSG
				POCLED	LEFT IN
ORISKANY Ss	PERMANENT BRIDGE PLUG		3.71" O.D.	0	
	SET AT 4738'(KB)		G.O. PERMA-		
			NENT BRIDGE		
Andrew (1971)			PLUG IN 4 1/2"		
		·			
	·				
COAL BEAMS	:		DESCRIPTION	OF MONUME	NT
NAME)				O MONUME	NT
NAME)			ERECTED.		
NAME					
and that the work	of plugging and filling said v	vell was c	completed on the	28th	day of
	onents saith not.	IZ,	A: P-	2	
Sworn to and s	abscribed before me this 52	n day o	L Coly	t	10 .82
My commission expi			ien ann D	Motary P	ublic.
12-1-85			Permi	t No.MAS-	
•				05-	