

ELK POCA (SISSIONVILLE)



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 12

Quadrangle Ripley Permit No. JAC 1385

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OIL & GAS DIVISION DEPT. OF MINES

Rotary_XX_	Oil
Cable	Gas_XX
Recycling	Comb
Water Flood_	Storage
Disposal	
•	(Kind)

				(MIIIO)
Company Kaiser Exploration and Mining Compa Address P. O. Box 8, Ravenswood, WV 26164 Farm 1. G. Griffith Acres 72		Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Locition (waters) Copper Fork of Sandy Creek	Size			
Well No. DEK #16 Elev. 821	20-16	**************************************		
District Ravenswood County Jackson	Cond.			
The surface of tract is owned in fee by	13-10"			STEEL PROPERTY.
L. G. Griffith et ux	9 5/8	205'	2051	100 sx
Address Rt. 3, Sandyville, W	8 5/8			•
Mineral rights are owned by Same as above	7	2230'	2230.1	75 sx
Address Same	5 1/2		٠	
Drilling Commenced December 8, 1976	4 1/2	4955'	4955'	215 sx
Drilling Completed December 18, 1976	3			
Initial open flow 0 cu. ft. bbls.	2		23451	
Final production 220 M cu. 12 per day bbls.	Liners Used			
Well open 12 hrs. before test 750 RP.		<u> </u>		

Well treatment details:

Attach copy of cementing record.

Well failed to produce in line from Oriskany and Brown shale; set permanent bridge plug in 4 1/2" casing at 2735'(K.B.); perforated Berea 2350'-52'(K.B.) w/4 holes, and stray sand 2630'-2650'(K.B.) w/5 holes: fracture stimulated two zones w/30,000# 80/100 sand. 30.000# 20/40 sand. 568 HHP. 302.000 SCF of nitrogen and a total of 790 BBL of water (585 BBL sand ladened); work done 4/7 - 4/8/80.

Coal was encountered atFeet	Inches	
Fresh waterSalt Water	Feet	
Producing Sand Rerea & Stray Depth 23	<u>850'-52': 2630'-2650</u>	

				•	- And the state of
Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Red Shales Sand Red Rock Shale Sand Shale Red Rock Shale Red Rock Shale Sand Red Rock Shale Sand Red Rock Shale Red Rock			0 162 173 237 360 384 411 453 495 502 536 552 578 586 674 692 711 730 769 888 955 1008 1068	162 173 237 360 384 411 453 482 502 536 552 578 586 674 692 711 730 769 888 955 1008 1068 1068 1097	work are (see so) Completion losts 4/8/80

(over)

^{*} Indicates Electric Log tops in the remarks section.

Fornation Color Hard or Soft	Top Feet /2	Bottom Feet	Oil, Gas or Water * Kemarks
Shale Salt Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Maxon Big Lime Kenner Sand Shale Injun Sand Shale Coffee Shale Berea Sand Shale Brown Shale Brown Shale Onondaga L.S. Oriskany Sand Helderberg L.S. Log Total Depth	1097 1110 1174 1234 1258 1368 1442 1500 1540 11680 1748 1863 1887 1926 1976 2334 2353 2362 3546 4103 4518 4748 4844 4893	1110 1174 1234 1258 1368 1442 1500 1540 1680 1748 1863 1887 1926 1976 2334 2358 2358 2362 3546 4103 4518 4748 4844 4893 4976 4976	
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Date April 21, 1980 10
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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OIL & GAS CIVISION DEFT. OF MINES

OIL & GAS DIVISION DEFT. OF MINES

Oil and Gas Division
WELL RECORD

Quadrangle Ripley
Permit No JAC 1385

RotaryXXX	Oil
Cable	Gas_XXX
Recycling	Comb.
Water Flood	Storage
Disposal	(Kind)

Permit No. JAC 1385				Water Floo Disposal	dStorage
Company Kaiser Exploration & Min		Casing and	Used in	Left	Cement fill up
Address Box 98, Ravenswood, W. Va.		Tubing	Drilling	in Well	Cu. ft. (Sks.)
Farm L.G. Griffith Acr				ļ.	
Location (waters) Cooper Fork of Sanc	<u> </u>	Size			r mail with
Well No. DEK #16 Ele	v.821	20-16			114. 3. 3.
District Ravenswood CountyJacks	<u> </u>	Cond.	<u> </u>		
The surface of tract is owned in fee by	Market and Control to	13-10"			
L.G. Griffith, et ux		9 5/8	205	205	100 Sax
Address Rt. 3, Sandyville, W.Va.		8 5/8			
Mineral rights are owned by Same as abo		7	2230	2230	75 Sax
AddressAddress		5 1/2			
Drilling Commenced December 8, 1976	yen	4 1/2	4955	4955	215 Sax
Drilling Commenced December 18, 19	76	3	1777	1700	January Deers
Drilling Completed December 18, 19	, <u> </u>	2			-
Initial open flow Show cu. ft.	<u>_Q</u> bbls.	4	 		
Final production 150 M cu. ft. per day	bbls.	Liners Used		 	PRINCIPAL COMPANY
Well openhrs. before test_	720 RP.				
Well treatment details:		Attach copy of o	cementing reco	ord.	
	es e	2.7			
Perforated: 4856'-4858' with 16					
Frac with 470 bbl water and 13,00					
4470-4746 w/26 shots - no treat					ts - frac with
1020 bb1	s. water & 8	35,000# sand	& 1000 gal	L·HCl.	
Coal was encountered at	Feet		Inche	· C	
Cook was discoulitated at		Salt V	Water	,	Feet
Fresh waterFee Producing Sand Orginslyanox Sand	7	Dall)	3820-4	4098- &	4470-4746
Producing Sand Carrows by Design	Share & Marc	ellisDepti	n	1070 4	7770 7770
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	r Water	* Remarks
4007 EBIO PROCESSO DE CONTROL DE LA CASA DE CONTROL DE	The analysis control of the control	and an experience of the contract of the contr		en produce de la companya de la comp	nasti kasada syanataninya kantaninya kennasiana nyennasiana kantaninya kantaninya kantaninya kantaninya kantan
Red Shales	0	162			
Sand	162	173			
Red Rock	173	237	y		
Shale	237	360			
Sand	360	384			
Shale	384	411			•
Red Rock	411	453			
Shale	453	482			
Sand	482	495			
Red Rock	495	502			
Shale	502	536	Margaretina de la companya del companya de la companya del companya de la company		
Sand	536	552	- Introduced		
Red Rock	552	578			
Shale	578	586	magasde		
Sand	586	674	and the country of th		
Shale	674	692	V Company		
Red Rock	692	711			
Shale	711	730	erities		
Sand	ł .		1		
antitude and a second	730	769			

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Red Rock

Red Rock

Red Rock

Shale

Shale

^{*} Indicates Electric Log tops in the remarks section.

Shale Salt Sand Shale 1110 1174 1124 Sand 1124 1234 Sand 11258 1238 Shale 1258 1258 Sand 1258 Sand 1258 Sand 1268 Sa				
Said 1110 1174 Shaid 1124 1234 Samd 1234 1258 Shale 1268 1462 Stale 1462 1500 Sand 1500 1540 Sand 1560 1680 Bay 1760 1680 Bay 1760 1833 Resener Sand 1563 1897 Shale 1976 1976 Shale 234 2358 Berea 234 2358 Berea 234 2352 Shale 2362 3546 Brown 5346 4102 Shale 403 4518 Marcellus 5346 4102 Shale 404 483 Marcellus 5346 400 Christary 5346 404 Christary 5346 404 Christary 5346 404 Christary 5346 404	Formation Color Hard or Soft	Top Feet 4	Bottom Feet	Oil, Gas or Water * Remarks
	Salt Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Maxon Big Lime Keener Sand Shale Injun Sand Shale Coffee Shale Berea Sand Shale Brown Shale Brown Shale Shale Onondaga L.S. Oriskany Sand Helderberg L.S.	1110 1174 1234 1258 1368 1442 1500 1540 1680 1760 1863 1887 1926 1976 2334 2358 2362 3546 4103 4518 4748 4844	1110 1174 1234 1258 1368 1442 1500 1540 1680 1748 1863 1887 1926 1976 2334 2358 2362 3546 4103 4518 4748 4844 4893 4976	

Date October 10 19 77

APPROVED Zeluk Q. Page Owner



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD



OIL & GAS DIVISION DEFT. OF MINES

	WELL R	ECORD		RotaryXXX Cable	Oil Gas_XXX
Quadrangle_ <u>Ripley</u>				Recycling_	
					d Storage
Permit No. JAC 1385		Section (Section)		Disposal	(Kind)
Company Kaiser Exploration & Mi	•	Casing and	Used in	Left	Cement fill up
Address Box 98, Ravenswood, W.Va Farm L.G. Griffith	cres72	Tubing	Drilling	in Well	Cu. ft. (Sks.)
Location (waters) Cooper Fork of Sa		Size			21.24
Well No. DEK #16 F		20-16			
District Ravenswood CountyJack		Cond. 13-10"			
The surface of tract is owned in fee by		9 5/8	205	205	100 5
L.G. Griffith, et ux Address Rt. 3, Sandyville, W.Va.		8 5/8	205	- 4U3 -	100 Sax
Mineral rights are owned by Same as a		7	2230	2230	75 Sax
Address	<i>100</i> 46	5 1/2			
Drilling Commenced December 8, 19	76	4 1/2	4955	4955	215 Sax
Drilling Completed December 18, 1	.976	3			
Initial open flow Show cu. ft.	O bbls.	2			
Final production cu. ft. per day		Liners Used		_	_
Well openhrs. before test	RP.				
Well treatment details:		Attach copy of c	ementing re	cord.	
Perforated: 4856'-4858' with 16	shots				
Frac with 470 bbl water and 13,	000# sand				
Testing not complete.					
resulting flot complete.					
Coal was encountered at	Fee	+	Inc	hes	2.7
Fresh water	Feet	Salt V	 Vater		Feet
Producing Sand Oriskany Sand		Depth			
and the state of t		-	_		
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas	or Water	* Remarks
Red Shales	0	162			
Sand Red Rock	162 173	173 237			
Shale	237	360			
Sand	360	384			
Shale	384	411			
Red Rock	411	453			
Shale	453	482			
Sand Red Rock	482	495 502			
Red ROCK Shale	502	536			
Sand	536	552			
Red Rock	552	578			
Shale	578	586			
Sand	586	674			
Shale	674	692			
Red Rock	692	711			
Shale Sand	711 730	730 769			
Red Rock	769	888			And the second s
Shale was a second of the second	888	955			
Red Rock	955	1008			
73 T		1			
Shale Red Rock	1008 1068	1068 1097			

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Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Shale Salt Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Maxon Big Lime	1097 1110 1174 1234 1258 1368 1442 1500 1540 1680	1110 1174 1234 1258 1368 1442 1500 1540 1680 1748 1863	
Keener Sand Shale Injun Sand Shale Coffee Shale	1863 1887 1926 1976 2334	1887 1926 1976 2334 2358	
Berea Sand Shale Brown Shale Shale Marcellus Shale Onondaga L.S. Oriskany Sand Helderberg L.S. Log Total Depth	2358 2362 3546 4103 4518 4748 4844 4893	2362 3546 4103 4518 4748 4844 4893 4976 4976	
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	+ VA.1 17-1. 11-14-4	1 100 1 20 1 38 1 3 4 5 5	
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•	0.000 8.000 0.400 7.400 8.400		A NEW Y
			<u> </u>

Date October 10 . 19 77

APPROVED Loll Q. Page . Owner







Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	DATE December 3, 1976
Surface Owner L. G. Griffith, et ux Address Rt. 3, Sandyville, W. Va.	Company Kaiser Exploration & Mining Co. Address Box 98, Ravenswood, W. Va.
Mineral Owner L. G. Griffith, et al	Farm L. G. Griffith Acres 72 acres
Rt 3 Sandyville W Va	Location (waters) Copper Fork of Sandy Creek
Same as above	Well No. DEK #16 Elevation 821 Gr
Address	District Ravenswood County Jackson
	Quadrangle Ripley 15', Sandyville 75'
Address	Quadrangie Nipicy 13 - Jangyviile 7/2
PERMIT MUST BE POSTED AT THE WELL SITE	
provisions being in accordance with Chapter 22,	
e W. Va. Code, the location is hereby approved drilling . This permit shall expire if	INSPECTOR Richard J. Morris TO BE NOTIFIED
tions have not commenced by 4-3-77	ADDRESS P.O. Box 372, Grantsville, W.Va.
Plant A Coll & Gas Division	PHONE 354-7259
GENTLEMEN:	
The undersigned well operator is entitled to drill upon	the above named farm or tract of land for oil and gas, having
VVV NEW WELL DOLL DEEDED	DEDDILL ED CONTRE OF CONTRE
	REDRILLFRACTURE OR STIMULATE LED BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer have been notified as of the above date. The above named coal owners and/or operator are here.	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operators by notified that any objection they wish to make or are required.
OIL AND GAS WELL ORIGINALLY DRILL The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator oby notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days.
OIL AND GAS WELL ORIGINALLY DRILL The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. by registered mail, or delivered to the above named coal operator.
OIL AND GAS WELL ORIGINALLY DRILL The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address.	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. by registered mail, or delivered to the above named coal operator day.
OIL AND GAS WELL ORIGINALLY DRILL The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. by registered mail, or delivered to the above named coal operator day
The enclosed plat was prepared by a registered engineer have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. by registered mail, or delivered to the above named coal operator day
The enclosed plat was prepared by a registered engineer have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address as same day with the mailing or delivery of this copy to the	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. by registered mail, or delivered to the above named coal operator day
The enclosed plat was prepared by a registered engineer have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. by registered mail, or delivered to the above named coal operator day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours KAISER EXPLORATION & MINING (Sign Name)
The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address—same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. * by registered mail, or delivered to the above named coal operator day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours KAISER EXPLORATION & MINING (Sign Name) Well Operator Box 98 dress Street
The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address assume day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. * by registered mail, or delivered to the above named coal operator day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours, KAISER EXPLORATION & MINING (Sign Name) Well Operator Box 98
The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. * by registered mail, or delivered to the above named coal operator day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours KAISER EXPLORATION & MINING (Sign Name) Well Operator BOX 98 dress Street Rayenswood
The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address assame day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required from filed with the Department of Mines within ten (10) days. * by registered mail, or delivered to the above named coal operator day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours KAISER EXPLORATION & MINING (Sign Name) Well Operator Box 98 dress Street Ravenswood
The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address assame day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. by registered mail, or delivered to the above named coal operator day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours KAISER EXPLORATION & MINING (Sign Name) Well Operator BOX 98 dress Street Ravenswood City or Town
The enclosed plat was prepared by a registered enginee have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address assame day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. * by registered mail, or delivered to the above named coal operator day before, or on the Department of Mines at Charleston, West Virginia. Very truly yours. KAISER EXPLORATION & MINING (Sign Name) Well Operator Box 98 dress Street Ravenswood City or Town West Virginia
The enclosed plat was prepared by a registered engineer have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address—same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 *SECTION 3 If no objections are filed or found by the notice and plat by the department of mines, to said proposed locations the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal coal coal coal coal coal coal coal	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and licensed land surveyor of licensed land sur
The enclosed plat was prepared by a registered engineer have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address—same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 *SECTION 3 If no objections are filed or found by the notice and plat by the department of mines, to said proposed locations.	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator by notified that any objection they wish to make, or are required or filed with the Department of Mines within ten (10) days. * by registered mail, or delivered to the above named coal operator day
The enclosed plat was prepared by a registered engineer have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, or Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 *SECTION 3 If no objections are filed or found by the notice and plat by the department of mines, to said proposed location the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of such plat, that no objections have been made by the coal content of the filing of the coal content of the filing of the filing of the coal content of the filing of the coal content of the filing of the coal	LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator of licensed land surveyor and all coal owners and/or operator operator of licensed land surveyor and all coal owners and/or operator opera

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

DRILLING CONTRACTOR: (If Known) RAME RAY RESOURCES-COTD. NAME RAY RESOURCES-COTD. NAME RAY RESOURCES-COTD. NAME RITH H. Backus ADDRESS SO. 1433, Charleston, MV TELEPHONE 334-333 TELEPHONE 343-3171 TELEPHONE 343-3171 TELEPHONE 343-3171 TO DRILL DEPTER DEPTHS WELL 5000. RECYCLING WATER FLOOD OTHER DEPTORAL FROM STORAGE DISPOSAL RECYCLING WATER FLOOD OTHER TENTATIVE CASING PROGRAM: CASING AND TUBING DRILLING WILL DRILLING WILL DRILLING OR SACKS - CUBIC PT. 20-16 13-10 2-578 2000 2000 1000 Sax	PROPOSED WORK ORDER TO	XXX DRILL	DEEPEN	DEEPEN FRACTURE-STIMULATE		
ADDRESS 530 Commerce Square, Charleston, MV TELEPHONE 344-8393 TELEPHONE 344-8393 TELEPHONE 344-8393 TELEPHONE 343-3171 TELEPHONE 343-3171 TELEPHONE 343-3171 TELEPHONE 343-3171 TELEPHONE 343-3171 TYPE OF WELL: OIL GAS XXX COMB. STORAGE DISPOSAL RECYCLING WATER FLOOD OTHER TENTATIVE CASING FROGRAM: CASING AND TUBING USED FOR LEFT IN CHIEF THE CASING AND TUBING USED FOR PRILING WELL OR SACKS - CUBIC FT. 30-16 13-10 1						
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ESTINATED DEPTH OF COMPLETED WELL:	TELEPHONE 344-8393		TELEPHONE 343-3171			
PROPOSED GEOLOGICAL FORMATION:						
TYPE OF WELL: GAS_XXX_COMB_STORAGE_DISPOSAL_ RECYCLING_WATER FLOOD_OTHER_			THE TABLE			
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MOST ONLY AMERICA				For Coal Company		

Official Title

Schlumberger

COMPENSATED FORMATION DENSITY LOG Gamma-Gamma

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	COMPANY KAISER EXPLORATION AND MINING COMPANY						
	\4/FII G	WELLL.G. GRIFFITH DEK #16					
	FIELD WILDCAT						
	COUNTYJAC	KSON	STATE_WE	ST VIRGINA			
COUNTY FIELD or LOCATION WELL	Location: A	PI Serial No. <u>47 - (</u>)35-JAC 1385	Other Services:			
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			Karatan da karatan kanada karatan kara	-			
Permanent Datum: Log Measured From	KB	EL ; Elev.	: 821	Elev.: K.B. 831			
Log Measured From KB , 10 Ft. Above Perm. Datum Drilling Measured From KB G.L. 821							
Date	12/17/76		CARRAGIAN COMPANIAN (CARA CARA CARA				
Run No.	ONE .		****				
Depth-Driller	4964						
Depth-Logger	4976						
Btm. Log Interval	4974 2245						
Top Log Interval Casing—Driller	7'' @ 2240	@					
Casing—Driller Casing—Logger	2244	<u>w</u>	@	@			
Bit Size	6 1/4	,					
Type Fluid in Hole	AIR-GAS						
Fluid Level	-						
Dens. Visc.							
pH Fluid Los	- · - ml	ml		ml ml			
Source of Sample	-						
R _m @ Meas. Temp.	- @ - °F	@ °F		°F @ °F			
R _{mf} @ Meas. Temp.	- @- °F	@ °F	@ -	°F @ °F			
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Source: R _{mf} R _{mc}	- -						
R _m @ BHT	- @ - °F	@ °F		°F @ %F			
Time Since Circ. Max. Rec. Temp.	115 °F	°F		°F °F			
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