



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

DECENVED) JAN 1 7 1978

OIL & GAS DIVISION DELT. OF MINES

Oil and Gas Division

W		ECORD ₁₃		Rotary XXX	
Quadrangle Ravenswood 15"				Recycling_	
Permit No. <u>JAC-14</u> 00 47-035				Disposal	-
Company Kaiser Exploration & Mining Address Box 98, Ravenswood, WV R. Pinnell		Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Farm R. Printer Acres Acres	178				1
Well No. DEK #28 Elev. ODistrict Union County Jackson	612	Size 20-16 Cond.	Y DOLLAND AND AND AND AND AND AND AND AND AND		· · · · · · · · · · · · · · · · · · ·
The surface of tract is owned in fee by		13-10"			
Roger O. Pinnell		9 5/8	189'	189'	100 Sax=Surface
Address Rt.2, Box 808, Millwood, WV	And the state of t	8 5/8			
Mineral rights are owned by Same as above		7	2184	2184	75
Address		5 1/2 4 1/2	4439	4439	150-36043
Drilling Commenced 7/12/77 Drilling Completed 7/31/77		3	4237	4433	150=1684'
Initial open flow Show cu. ft. ——		2.	-		+
Final production 97 cu. ft. per day		Liners Used			
Well open hrs. before test					
Well treatment details: Perforated Oriskany section at 4375 Oriskany with 742 bbl. water, 10,000	' - 4377' O lbs. 80	Attach copy of o with 8 Omeg	ja Jet Sho	ts/foot.	Fractured
bbl/min.				a trada a resident specific como como como como como como como co	THE PROPERTY OF THE PROPERTY O
Initial Production = 97 MCF/Day				Antonio de la companio del la companio de la companio del la companio de la companio del la companio de la companio de la companio del	
Coal was encountered at					
Fresh water Feet		Salt V	Vater	A 0.770	Feet
Producing Sand Oriskany Sand		Depth	4375 -	4311	
Formation Color Hard or Soft	Fop Feet	Bottom Feet	Oil, Gas o	r Water	* Remarks
		1	ì		

648

696

705

721

780

792

904

1009

1027

1052

1088

1103

1190

594

648

696

705

721

780

792

904

1009

1027

1052

1088

1103

Red Rock

Red Rock

Salt Sand

Shale

Shale

Sand

Shale

Shale

Sand

Shale

Sand

Shale

Sand

⁽over)

Compared the compared of				
Formation Color	Hard or Soft	Top Feet //3	Bottom Feet	Oil, Gas or Water * Remarks
Sand Shale Sand Shale Sand Shale Sand Shale Maxon Big Lime Shale Injun Sand Shale Coffee Shale Berea Sand Shale Brown Shale Brown Shale Shale Marcellus Shale Onondaga L.S. Oriskany Sand Helderberg L.S. Log Total Depth		1190 1290 1341 1362 1427 1459 1463 1566 1640 1668 1802 2114 2131 2140 3290 3741 4150 4284 4358 4379	1290 1341 1362 1427 1459 1463 1566 1640 1668 1802 2114 2131 2140 3290 3741 4150 4284 4358 4379 TD 4471	
	to consumer to con	State State Control of the Control o	4284	43.58
	alan-kabanila watan kenara	Vic)+ in make money.	61 Door	612 3746
	SEASON PLANT TO A SEASON PLANT	Achiem American production of the Control of the Co	3672	3746
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	OPPORTUNITION OF THE PROPERTY		A CANADA AND AND AND AND AND AND AND AND AN	
	MOTORITOR			
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APPROVED January 11 19 78

APPROVED By Staff Petroleum Geologist

(Title)



Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,			
Charleston, W. Va.	DATE Mar	rch 29, 1977	
Surface Owner Roger O. Pinnell		Company Kaiser Exploration & Mining Co.	
Address Rt. 2 Box 808, Millwood, 1	V 25262 Address BOX	x 98, Ravenswood	i, WV
Mineral Owner Roger O. Pinnell		ger Pinnell	Acres <u>178</u>
Address Rt. 2, Box 808, Millwood	, WV 25262 Location (water	ers) Mill Cree	ek
Coal Owner Same as above	Well No. DE	< #28 _.	Elevation 612
Address	District Uni	ion	Countylackson
Coal Operator Not Operated	Quadrangle (Cottageville 7½	', Ravenswood 15'
Address		. •	
THIS PERMIT MUST BE POSTED AT THE WE	LL SITE		
All provisions being in accordance with Chap	ter 22.		
of the W. Va. Code, the location is hereby as	proved INSPECTOR		
for <u>drilling</u> . This permit shall e	expire if TO BE NOTIFIED	Richard	Morris
operations/have Tot commenced by 9-11-	7 7		
No to the A light	ADDRESS	<u>Grantsvi</u>	lle, W. Va.
	PHONE 35	4-7259	
Deputy Director - Oil & Gas Division	All and the second seco	and the contract of the contra	
GENTLEMEN:			
The undersigned well operator is entitled to			
title thereto, (or as the case may be) under gra			
Pinnell, et ux made to Devon Corp	. & Eason Oil Cand recor	ded on the 23rd	day of <u>March</u>
1977, in <u>Jackson</u> County, Book			· · · · · · · · · · · · · · · · · · ·
XXX NEW WELL DRILL D	EEPERREDRIL	I. FRACT	TIPE OF STIMITATE
OIL AND GAS WELL ORIGINAL			OILD OIL BILLIOURIE
The enclosed plat was prepared by a register have been notified as of the above date.	ed engineer or licensed land su	urveyor and all coal	owners and/or operators
The above named coal owners and/or operator to make by Section 3 of the Code, must be rece	r are hereby notified that any ived by, or filed with the Den	objection they wish to artment of Mines with	to make, or are required
Copies of this notice and the enclosed plat we			
or coal owners at their above shown respective	address	day	before, or on the
same day with the mailing or delivery of this co	py to the Department of Mines	at Charleston, West	Virginia.
TIL ELO DETECO MINUS CONTRA	Very truly yours,	Kênser 1 Expl	oration & Mining Co
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) 🔀		Contract of the Contract of th
GEOTHIOIGNE HOGG DIRECTEL 10.	W.	F! Weyeh Bre; at Ow	ner's Representativ
WEST VIRGINIA GEOLOGICAL AND		Box 98	•
ECONOMIC SURVEY P. O. BOX 879	Address	Street	
	of Well Operator	Ravenswood	
MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	-	City or Town	de la martina de la composiçõe de la com
		West Virgin	i.a
	**************************************	State	1 Martin Martin Martin Andreas Antonio
*SECTION 3 If no objections are filed and	found by the Donnes	societale est a est a est a est	am Sharra Bair 18
*SECTION 3 If no objections are filed or notice and plat by the department of mines, to said pro	posed location, the department shall	forthwith issue to the w	ell operator a permit reciting
the filing of such plat, that no objections have been made	by the coal operators or found the	reto by the department a	and that the same is approved

declamation requirements as set forth in will carry out the specified requirements."

JAC-1400

47-035

PERMIT NUMBER

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

PROPOS	ED WORK ORDER TO	DRILL	DEEPEN	FRACTURE-STIMULATE	
	G CONTRACTOR: (If	· · · · · · · · · · · · · · · · · · ·	RESPONSIBLE AGEN		
NAME FWA Drilling Co.		NAME Bill W. Backus			
		view, W. Va.	· ·	3, Charleston, WV	
TELEPHO	ONE 965-3379			171	
ESTIMAT	ED DEPTH OF COMP	LETED WELL:	_ ROTARY XXX	_ CABLE TOOLS	
		MATION: <u>Oriskany</u>	-		
TYPE OF	WELL: OIL	GAS XXX	COMB STORAG	GE DISPOSAL	
-		RECYC	LING WATER F	LOODOTHER	
TENTATI	IVE CASING PROGRA	M:			
CAS!	ING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.	
20 - 16					
$\frac{13 - 10}{9 - 5/8}$		0.001			
8 - 5/8		2001	200'	100 Sax = To Surface	
7		2200'	650	75 65 6051	
5 ½	· ·		030	75 Sax = 625'	
4 1/2		44751	4475'	125 Sax = 1500'	
3				Perf. Top	
2				Perf. Bottom	
Liners				Perf. Top	
				Perf. Bottom	
TO DRIL	L: MIT FIVE (5) COPIES PLAT. L DEEPER OR REDRIC MIT FIVE (5) COPIES LS DRILLED PRIOR ST ALSO BE SUBMITT CTURE - STIMULATE: AND/OR GAS WELL C ND, PERMANENT PLAT AND/OR GAS WELL C ORIGINAL PERMIT NO	OF OG - 1, \$100.00 PERSON. LL: OF OG - 1, SHOWING ORI TO 1929, A PERMANENT ED. PRIGINALLY DRILLED BEF F AND ORIGINAL WELL R PRIGINALLY DRILLED ON JMBER, AND PERFORMANC Ed within ninety (90) days of	GINAL PERMIT NUMBER A COPY OF THE PLAT AND ORE JUNE 5, 1929, FIVE (5 ECORD. AND/OR AFTER JUNE 5, 1928, BOND.	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD O COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW- e. Inspector to be notified twenty-	
The thereof.	following waiver must	be completed by the coal o	perator if the permit is to b	e issued within ten days of receipt	
WAIVER:			Coal Company, Own	er or Operator of the coal under	
	We theproviding operator has Code.	complied with all rules and re	y have no objections to said egulations in Articles 4, 5, and	well being drilled at this location, d 7, Chapter 22 of the West Virginia	
		4.4 1.4. · . · . · . · . · . · . · . · . · .		For Coal Company	

Official Title