



STATE OF WEST VIRGINIA

41 FFB 2 0 1980

DEPARTMENT OF MINES

Oil and Gas Division WELL RECORD 39

Quadrangle__Elmwood Permit No. 47-053-0186 OLEGAS DIVISION
DEPT. OF MINES

Rotary_X_	Oil
Cable	Gas_X_
Recycling	Comb.
Water Flood	Storage
Disposal	(Kind)

remmt No					Dis	posal	Kindl
Company Kaiser Exploration and Mi Address P. O. Box 8, Rayenswood, W Farm David Sayre Acr	W 26164	Mag.	ng and ubing	Used in Drilling		Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Mud Lick Well No. KFM 9 Electricate Union County Ma The surface of tract is owned in fee by	LSON	Size 20-16 Cond.	10 3/4"	2501	/ KB \	Samo	125 sx class A To Surface
David Sayre	a natura mentana aran'ny aran'ny aran'ny aran'ny faritr'i	9 5/8	10.3/-1	has not be	- VIVO V	٠	(Halliburton)
Address 2191 Watkins Avenue, Colum	bus. Ohio	8 3/8	ayen eng umannan yen enga terberanan umay	tiva e suame continues en en militar en		was op weekel in our ewelen governing	
Mineral rights are owned by Same		7	14 1 2 4	2715	(KB)	Same	55 sx pozmix
Address Same		5 1/2		end metric by the second to the site of the second to the			100 sx class A
Drilling Commenced 8/8/79	Committed of Control C	4 1/2		4988'	(KB)	Same	129wgll)ozmix
Drilling Completed 8/16/79		3		garagita a a kalendar kan kan kalendar kan kalendar kan ka		ermer – Impresentansken – fetikleniste	(Halliburton)
Initial open flow 103,000 cu. ft	bbls.	2		National reports with Europe Market Construction production of the construction of t			
Final production 5000 M cu. ft. per day	bbls.	Liners	Used		and the production of the same and an arrange	jegaji wa minasi ndawa ngipiyayiy ya -	
Well open 26 hrs. before test 1		Options to specific street players	programme agreement from amounts of course or an area.	etrik kanamisen kundipalmonjak eti epak kankista delam kanami eti jagunal jara kan jaging listaria proper propositi pak dela eti jagunal jara kan jaging listaria proper propositi pak delam	entral a registration of a desire absence		
Well treatment details:		Attach	copy of co	ementing r	ecord.		
Perforated the Oriskany S.S. fro	m 4903' - 4	1911'	(K.B.) y	v/_4_ho	es/f	t (8/2	20/79):
Halliburton and Aircowell fractu	red zone w	/30,00	0#_80/10	10 mesh	sand	<u>. 30 °C</u>	
mesh sand, 500 gal 28% HCL, 958	bbl Warer.	ang_i		rrruir.	10gen	Mercumum and a second and a second	nniquisia mir 4 gyshausipan quanti saintinularian juni eeskalisi mamma hõlijahus eellapsis kele yssaahaan jaladis m
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Producing Sand Oriskany	n der state der der der der der der der der der de		Depth		23-	-/_/	
Formation Color Hard or Soft	Top Feet	Bott	m Feet	Oil, Gas	Or Ws	iter	* Remarks

a orination Color Hard of Sort	i op cest	bottom reet	Ou, Gas or water Remarks
Soil Shale Red Rock Shale Siltstone Sand Shale Sand Red Rock Sand Shale Red Rock Sand Shale Red Rock Sand Siltstone Shale Red Rock Sand Siltstone Shale Red Rock Sand Siltstone	0 9 72 83 138 264 280 312 328 419 423 448 515 524 565 582 602 624 632	9 72 83 138 264 280 312 328 419 423 448 515 524 565 582 602 624 632	TOPS FROM KB = 946
Red Rock Coal Red Rock	656 687 693	687 693 730	
S111t5tone	T 30 men entre	297	

(over)

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

Formation Color Hard or Soft	Top Feet 39	Bottom Feet	Oil, Gas or Water * Kemurks
Sand Red Rock & Shale Siltstone Sand Siltstone Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Salt Sand Shale Salt Sand Shale Sand Siltstone Sand Siltstone Sand Siltstone Sand Siltstone Sand Shale Band Shale Band Shale Band Shale Big Injun Shale Coffee Shale Berea Shale Brown Shale Brown Shale Shale	797 802 877 992 1003 1052 1081 1110 1114 1154 1188 1265 1270 1353 1498 1542 1548 1655 1664 1782 1548 1655 1664 1782 1820 1876 1898 1916 2012 2092 2128 2260 2571 2595 2608 3793 4246 4886 4886 4918 5010	802 877 992 1003 1052 1081 1110 1114 1154 1188 1265 1270 1353 1498 1542 1548 1655 1664 1782 1820 1876 1898 1916 2012 2092 2128 2260 2571 2595 2608 3793 4246 4886 4818 5010	
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Date February 20

11,80

APPROVED Kaiser Exploration and Mining Company

Operations Manager





OIL & GAS DIVISION CEFT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	February 19, 1979
Surface Owner David Sayre	Company Kaiser Exploration and Mining Compa
2191 Watking Avonue Columbus ON 12207	P. O. Box 537, Ripley, WV 25271
Mineral Owner Same as above	David Savre 48
Samo ac about	ocation (waters) Mud Lick
	KFM #9
Same as above	Union
Coal Operator None	vistrict County Mason Flawood
AddressNone	
THIS PERMIT MUST BE POSTED AT THE WELL SITE All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved NSPE for drilling. To BE	ECTOR E NOTIFIED Kenneth Butcher
operations have not commenced by 11-5-79 ADDRE	
ADDRE	255 WV 25504
Deputy Director - Oil & Gas Division	736-4885
ENTLEMEN:	
The undersigned well operator is entitled to drill upon the above	· · · · · · · · · · · · · · · · · · ·
Sayre, et al made to Kaiser Exploration & Minir	ng Co. 19 /8 by Launa 19 /8 by Launa 19 /8 by Launa February
ooding, book	Page
NEW WELLDRILL DEEPEROIL AND GAS WELL ORIGINALLY DRILLED REC	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEF	ORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer or licer we been notified as of the above date.	nsed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby notified make by Section 3 of the Code, must be received by, or filed with the code of the code, must be received by the code of the code.	d that any objection they wish to make, or are required ith the Department of Mines within ten (10) days *
Copies of this notice and the enclosed plat were mailed by regist	ered mail, or delivered to the above named coal operators
me day with the mailing or delivery of this copy to the Departme	nt of Mines at Charleston, West Virginia.
Mary 4	nt of Mines at Charleston, West Virginia.
EASE SUBMIT COPIES OF ALL	buly yours,
EASE SUBMIT COPIES OF ALL OPHYSICAL LOGS DIRECTLY TO: (Sign)	buly yours,
EASE SUBMIT COPIES OF ALL OPHYSICAL LOGS DIRECTLY TO: (Sign A. VA. OIL & GAS CONSERVATION COMMISSION Idress	R. A. Prydell Operations Manager P. O. Box 537 Street
EASE SUBMIT COPIES OF ALL COPHYSICAL LOGS DIRECTLY TO: (Sign) VA. OIL & GAS CONSERVATION COMMISSION Idress of of	R. A. Prydell Operations Manager P. O. Box 537
EASE SUBMIT COPIES OF ALL COPHYSICAL LOGS DIRECTLY TO: (Sign) VA. OIL & GAS CONSERVATION COMMISSION Idress of of	R. A. Prydell Operations Manager P. O. Box 537 Street
Very (DEASE SUBMIT COPIES OF ALL DEPHYSICAL LOGS DIRECTLY TO: (Sign of Street) VA. OIL & GAS CONSERVATION COMMISSION Idress of Street, EAST of Street, EAST	R, A. Prydell Operations Manager P. O. Box 537 Street Ripley

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of ice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting 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

	ALP & G. S. L. S.	DEEPEN F	RACTURE-STIMULATE
DRILLING CONTRACTOR: (If NAME Not known at this		RESPONSIBLE AGENT: NAMERobert A.	Pryce
ADDRESS			537, Ripley, WV 25271
TELEPHONE		TELEPHONE 372-28	327 or 372-2828
ESTIMATED DEPTH OF COMPLI	ETED WELL: 4990	ROTARY X	CABLE TOOLS
PROPOSED GEOLOGICAL FORM	MATION: Oriskany		The state of the s
TYPE OF WELL: OIL_	GAS X	COMB STORAGE	DISPOSAL
			ODOTHER
			With a second se
TENTATIVE CASING PROGRAM	:		en e
CASING AND TUBING	USED FOR	LETT IN	CEMENT FILL UP
SIZE	DRILLING	тементи серения в потительных составления выстания в потительных выполнения в потительных выполнения в потител WEILT	OR SACKS - CUBIC 1-1.
20 - 16			
9 - 5/8 10 3/4	250	250	Cement to surface
8 - 5/8			. Ochierre co sarrace
7	2650	2650	125 sks = 570 feet
5 ½	4000		
4 ½	4990	4990	125 sks = 1500 feet
2			Perf. Top
Liners			Perf. Bottom Perf. Top
			Perf. Bottom
APPROXIMATE FRESH WATER 1			
IS COAL BEING MINED IN THE	AREA?	7 T TTTT \ 7 A	
TO DRILL:	the course path to the my colour community		
TO DRILL:	the course path to the my colour community		
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Official Title