

IV-35 (Rev 8-81)



State of Mest Wirginia

Department of Alines Gil und Vas Division

Date May 20, 1985								
Operator's								
Well No. KEM 630								
Farm George Fawcett								
API No. 47 - 107 - 1333								

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 827 Watershed No		e/ Deer	•	
District: Harris County Wood	i (Quadrangle	Lubeck	
•				ហ
			227	δZ
COMPANY Kaiser Exploration & Mining Co.		r		Comment > 2
ADDRESS P. O. Box 8, Ravenswood, WV .26164	Casing	Used in	-	संगा पर्व ॥
DESIGNATED AGENT R. A. Pryce	Tubing	Drilling	in Well	gi. fg. [
ADDRESS Same	Size 20-16	·		OIL &
SURFACE OWNER George Fawcett	Cond			3
ADDRESS Rt. 2, New England, WV	-13-10 ^{3/4}	305' KB	305 - KB	200 sks cl
MINERAL RIGHIS OWNER George Fawcett "	9 5/8			to
ADDRESS Same	8 5/8			
OIL AND GAS INSFECTOR FOR THIS WORK Glen	7	2225'KE	2225' KB	425 sks c
Robinson ADDRESS Rt. 1 #6, Mt. Pleasant Mineral Wells, WV 26	Est. 1/2			
PERMIT ISSUED	4 1/2	,		
DRILLING COMMENCED 12/27/84	3			
DRILLING COMPLETED 12/31/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used	·		
GEOLOGICAL TARGET FORMATION Berea Sandstone		Dep	th 2153	feet
Depth of completed well 2225 feet	Rotary	X / Cabl	e Tools_	
Water strata depth: Fresh N/A feet	: Salt	feet		
Coal seam depths:	Is coal	being min	ed in the	area? NO
		Drilled on	fluid not	known.
OPEN FLOW DATA	Da	w some der	ith 21531	KB feet
Producing formation Berea		_		
· · · · · · · · · · · · · · · · · · ·	011. To			
Gas: Initial open flow 0 Mcf/d	Oil: In	itiai obei	10:	5\ Ida
Final open flow (est. 200) Mcf/d	Fi	nal open f	low (2)	Bb1/d
Final open flow est. 200 Mcf/d	Fi	nal open f inal tests	10w (2) 73 hc	Bbl/d ours
Final open flow est. 200 Mcf/d Time of open flow between in Static rock pressure 400 psig(surf	itial and face measure	nal open f inal tests	10w (2) 73 hc	Bbl/d ours
Final open flow est. 200 Mcf/d Time of open flow between in Static rock pressure 400 psig(surf (If applicable due to multiple completi	Finitial and for the same restriction for the	nal open final tests ment) afte	10w (2) 73 ho er 4 hou	Bbl/d xurs urs shut in
Final open flow est. 200 Mcf/d Time of open flow between in Static rock pressure 400 psig(surf (If applicable due to multiple completi Second producing formation	itial and face measure	nal open final tests ment) afte my zone dep	flow (2) 73 hours 4 hou	Bbl/d ours ours shut in feet
Final open flow est. 200 Mcf/d Time of open flow between in Static rock pressure 400 psig(surf (If applicable due to multiple completi Second producing formation Gas: Initial open flow Mcf/d	itial and face measure on) Pa	nal open final tests ment) after a zone deputial open	ilow (2) 73 hour 4 houpth	Bbl/d ours ours shut infeetBbl/d
Final open flow est. 200 Mcf/d Time of open flow between in Static rock pressure 400 psig(surf (If applicable due to multiple completi Second producing formation Gas: Initial open flow Mcf/d Final open flow Mcf/d	itial and face measure on) Pa l Oil: Ir	nal open final tests ment) after y zone deputial open	flow (2) 73 hours 4 house the flow	Bbl/d purs purs shut in feet Bbl/d Bbl/d
Final open flow est. 200 Mcf/d Time of open flow between in Static rock pressure 400 psig(surf (If applicable due to multiple completi Second producing formation Gas: Initial open flow Mcf/d	itial and face measure on) Pa l Oil: Ir l Oil: Finitial and f	nal open final tests ment) after my zone depositial open final open	ilow (2) 73 hours 1 ho	Bbl/d purs ars shut in feet Bbl/d Bbl/d Durs JUN 22

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

Perforations at 2153' to 2157', 4 holes/ft, 16 total holes, 3 1/8 hollow steel by Young Wireline. Dowell to fracture using 75% quality foam on Berea Sandstone. 500 gal of 15% HCl in hole. Broke formation @ 1700 psig. Max. pressure: 1850 psig. Used 46,000# of 20/40 sand at 4 - 10 ppg concentrations, and 15,000# of 10/20 sand at 4 - 8 ppg concentrations. Water rate: 5 bbl/min; N₂ rate: 12.5 mscf/min; foam rate: 20 bbl/min. Total N₂: 525 mscf; total sand laden fluid: 228 bbl; total fluid: 323 bbl; ISIP: 1550 psig; 5 min SIP: 1390 psig.

WELL LOG

Perforation depths taken from gamma ray-cement bond log log.								
DRMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas					
Shale and Sand Sand Shale and Siltstone Sand Shale and Siltstone Sand Shale and Siltstone Salt Sands Shale Coffee Shale (Sunbury) Berea Sandstone Shale	0 338 374 716 782 1146 1186 1486 1709 2122 2150 2154	338 374 716 782 1146 1186 1486 1709 2122 2150 2154	S1t. S/G					
Total Depth:	2225	Berca @TD.						
•								
			•					
		·						
•								

(Attach separate sheets as necessary)

	er Exploration & Mi	ining Co.	
: By:	Z. A.P.		<u> </u>
Date:	May 20, 1985		

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'vell log' shall mean a systematic detailed geological record of all formations, including east, encountered in the drilling of a well."





)	Date: De	cember	5,	1984	, 19
)	Operator's	KFM	#63	30	

3) API Well No.

- 107 - 1333 State County Permit

File

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

_	OIL & G	SAS DIV	ISION		AF	PLICAT	ION FOR A WELI	. WORK PERMIT			
D	EPT.	OF M	IINE	S				· · · · · · · · · · · · · · · · · · ·			
4)	WELL TY	PE: A C	il^	/ G	as <u>X</u>	/					
			f "Gas",			_X	-		_/ Deep		<u> </u>
5)	LOCATIO		vation: _	827					of Lee Creek		
	WELL OF		strict:				County: WO		Quadrangle:		
6)						on and	•		AGENT R. A.	Pryce	
	Address		P.O. Ravens				25550	Address	Same		
٥,	OIL & GA			•		20104		D) DRILLING CO	NITE A CTOR.		· · · · · · · · · · · · · · · · · · ·
0)	NameG				LIED		,	NameClir			
	Address		1, #6		Plea	sant F	ctato		P. O. Box 38	Ω	
	riddiess		eral k			26150			Elkview, WV		· · · · · · · · · · · · · · · · · · ·
10)	PROPOSE			Drill.	Χ	/ Drill			/ Stimulate		
10)	FROFUSE	D WELL	WORK:			=		te new formation_			
				-							
111	GEOLOGI	CAT TAR	GET FOR				Sandstone				
	12) Estima						feet				····
	13) Appro	ximate trat	a denths:	Fresh					feet.		
									area? Yes	/ No	\mathcal{N}
	CASING A		-			¥ 5	13 CO4	t being inmed in the	arca: res		/
	SING OR			DIFICATION	s	ei	FOOTAGE IN	TERVALS 1	CEMENT FILL-UP	l PAC	KERS
	BING TYPE	Size	l	Weight	1	Used	For drilling		OR SACKS	1.40	RLRS
Cond	luctor	J. Size	Grade	per ft.	New	Used	ror arming	Left in weli	(Cubic feet)	V:- A-	
	water	10 3/	h	†	Y		~305	305	150 -17	Kinds	
Coal	· Water	10 3/	7	<u> </u>	1-^-		230	2394	150 sks clas	A to s	urrace
	mediate	7"			v		2225	2225	CE also F0/F0		
	uction	 			^-			2223	100 sks chas	pozmix Derby sci	
Tubii				İ					or as tug	wied	Mout
Liner									<i>/)</i>	Perforations:	15.01
					1	1				Тор	Bottom
											
						(OFFICE USE C	NLY		·	
]	DRILLING PE	RMIT			
D	-:•b		47 - 3	107 -	1333				December	- 10	19 84
Peri	nit number_							***	Date		17 04
This	permit cove	ring the w	ell operate	or and we	ll locatio	n shown	below is evidence of	f permission granted	to drill in accordance		ertinent legal re-
quire	ements subje	ct to the c	onditions :	contained	herein a	nd on the	reverse hereof. Not	ification must be given	ven to the District Oil	and Gas Inst	ector. (Refer to
No.	B) Prior to t	he constru	ction of ro	ads, locat	ions and	pits for a	ny permitted work.	In addition, the we	ll operator or his cont	ractor shall r	otify the proper
11511	ict on and g	as mspecio	or 24 nour	s defore a	ciuai pei	rmitted w	ork has commenced	.)			
	permitted w rse hereof.	ork is as d	escribed in	the Notic	ce and A	pplication	n, plat, and reclama	tion plan, subject to	any modifications ar	d conditions	specified on the
	nit expires	Dece	ember 1	10, 19	86		unless wall	work is commenced :	prior to that date and p	aroseouted mi	th dua dilicance
CIII	in expires _						uiness wen	work is confinenced	prior to that trace and j	orosecuted wi	in due dingence.
				T			_				
B	ond:	Agen	ıt:	Plat:	Casin	8 9	Fee			•	
	86	m	UM	nail	MI	1 3	12-1		/	•	•
L				1171	. ,,,,,			Y Jargan	et. 7. 1 Ja	sse	
								Admir	nistrator, Office of Oi	il and Gas	

NOTE: Keep one copy of this permit posted at the drilling location.