

6-6 New England (296)



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY



## State of Mest Nirginia

Bepartment of Mines Gil und Gas Division

Date	December 18, 1986						
Operator's Well No. KEM #715							
Farm	• Hofmann						
API N	<b>6.</b> 47 - 107 - 1408						

## WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

MEIT	TYPE:	Oil / Gas X / Li (If "Gas," Production	quid Injection	n_/Was	te Disposal ge / Deep	l/ o / Sha	llow <sup>X</sup> /)	
TOCAT	rton:	Elevation: 743		•		· ———		
	20	District: Harris				<b>Lubeck</b>		
!					<del></del> -			
		ISER EXPLORATION AND MIN			.,		r <u></u>	
		O. Box 8, Ravenswood, WV		Casing	Used in	Left	Cement fill up	
	1	AGENT R. A. Pryce		Tubing	Drilling	in Well	Cu. ft.	
		same		Size				
		NER Wilbert & Clara Hofm		20-16 Cond.				
		t. 1 Box 46, New England	I, WV	13-10"		!		
		GHIS OWNER same		9 5/8		:		
•		same	~~~	8 5/8				
	1	S INSPECTOR FOR THIS WO		7	257	257	100 sks Class A	
	:	ADDRESS Rt. 1, Mine	eral wells, wv	5 1/2				
		TUED 11/19/86		4 1/2	1971	1971	175 sks Class A	
		12/08/86		3				
		OMPLETED 12/12/86	•	. 2		:		
CONT	INVOVS RKING.	BLE: PLUGGING OF DRY F PROGRESSION FROM DRILL VERBAL PERMISSION OBT	LING OR	Liners used				
GEOL	OGICAL	TARGET FORMATION B	Berea Sandstone		Dep	th 1950/1	.952 <b>feet</b>	
-		of completed well_					-	
:		strata depth: Fresh						
		seam depths: N/A					area? NO	
OPEN	FLOW			•	•	; ; ;	•	
		ncing formation Berea	Sandstone	Pa	av zone dep	<b>th</b> 1950,	/1952 <b>feet</b>	
		Initial open flow						
	Final open flow 400 (est.) Mcf/d Final open flow Bbl/o  Time of open flow between initial and final tests hours							
i	Stati	ic rock pressure 800			~			
		applicable due to multip			•			
	4	nd producing formation_	•		ay zone dep	th	feet	
		Initial open flow						
		Final open flow						
		Time of open flow						
	Stat	ic rock pressure						

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

12/17/86 - Young's Wireline perf Berea with 16 holes from 1950 - 1952.

12/18/86 - Halliburton foam frac Berea Sandstone with 45,000 lbs 20/40 sand; 15,000 lbs 10/20 sand; 308 bbls fluid; 626 MSCF of  $N_2$ ; and ISIP: at 1150 psig.

## WELL LOG

· ·		·	DEMO DIC
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and q
Shale and Siltstone Sand Shale and Siltstone Sand Shale and Siltstone Sand Shale Sand Shale Sand Shale Coffee Shale (Sunbury) Berea Sand Shale Total Depth	0 123 172 440 534 1020 1049 1150 1198 1256 1330 1440 1584 1930 1947 1950 2001	123 172 440 534 1020 1049 1150 1198 1256 1330 1440 1584 1930 1947 1950 2001	

(Attach separate sheets as necessary)

		-				
KAISER'	EXPL	ORATION	AND	MINING	COMPANY	

Well Operator

By: A. P.

Date: December 19, 1986

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed application and formations, including

FORM	WW-2 (B	) 1	TLE C	COPY
(Obve	rse)			إيبا استنبي
7105. 5	32 (3)	20 T	1878	18



November	14	, 15 <u>86</u>
	November	November 14

2) Operator's Well No.\_\_\_\_

3) API Well No.

KEM #715

7-1408 County Permit

NOV 1 9 1986

## STATE OF WEST VIRGINIA

	-		DEP	ARTM	ENT O	F ENERGY, OIL	AND GAS DIVI	SION	
DIVISION				AP	PLICAT	TION FOR A WEL	L WORK PERMIT		
<b>DEPARTME</b>	NT OF E	ENERGY	•						
4) WELL TYP	E: A O	il	/ Ga	s _X					, a, ,, Y
									_/ Shallow <u>X</u> /)
5) LOCATIO		vation:	_/43'	/17	7	_ Watershed: _	Stillwell H	OlloW Quadrangle:	Luback 4149
	Dis	trict: Kaiser	Harris Explo	ratio	on and	County: WOO	) d	Quadrangle:	Pryce //
6) WELL OP	RATOR_	· Min	ingrco	mpany	Z., COD	E: 27970		Samo	Pryce
Address		P. 0.					Address	Same	
		Ravens			26164			ONER A CTOR	
8) OIL & GA							9) DRILLING CO		
NameG								шкномп	
Address		Mt. Pl					Address		
		eral W							
10) PROPOSE	D WELL V	WORK:	Drill_X		/ Drill	deeper	/ Redrill	/ StimulateX	
			Plug of	f old f	ormation	Perfor	ate new formation	/	•
			Other p	hysical	change ii	well (specify)	a:~		
11) GEOLOGI	CAL TAR	GET FOR	MATION	, <u> </u>	erea !	Sandstone 3	27		
12) Estima	ted depth (	of complete	ed well, .		1990	1661			
4.00		- 441	Errah			feet calt	1	feet.	V
14) Appro	ximate coa	l seam dep	ths:			Is co	al being mined in th	e area? Yes	/ No/
15) CASING A	ND TUBI	NG PRO	GRAM						
CASING OR		SPEC	IFICATIONS	5		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Conductor			,						Kinds O O
Fresh water	7"			Χ		250	250	cement to s	urface levilale15
Coal							·		Sizes
Intermediate									
Production	4 1/2	11		Χ		1995	1995	100 sks 50/	
Tubing	1							as Require	d by rule 15.01
Line. s	1		1					U	Perforations:
Line, 3			1						Top Bottom
	#								
	.H	I	<b></b>						
· · · · · · · · · · · · · · · · · · ·						OFFICE USE	ONLY	***	
						DRILLING PE			
Permit number_		<u>47-107</u>	<u>-1408</u>			•			ovember 20 19 86
								Da	•
This permit cove	ering the w	ell operate	or and we	ll location	on shows	n below is evidence	of permission gran	ted to drill in accordar	nce with the pertinent legal re-
quirements subj	ect to the c	onditions	contained	nerein a	and on tr	ne reverse nereon No	tification must be g In addition, the	iven to the District Oil well operator or his con	and Gas Inspector, (Refer to tractor shall notify the proper
district oil and a	as inspecto	or 24 hour	s before a	ctual pe	rmitted	work has commence	ed.)		, , ,
								to any modifications a	nd conditions specified on the
rne permitted w reverse hereof.	OIK IS AS U	escribed ii	i the Noti	.c and r	ъррисан	on, plat, and recian	action plant, subject	,	
Permit expires		Novemb	er 20/	198	8		ll work is commence	d prior to that date and	prosecuted with due diligence.
			7				/		
					V	n. Iman	C. V	041	•
Bond:	Agent	:   I	lat:	Casi	ng	Fee   WPCF	2 7	Other	
1 1	A	2   2	1 ~	1	$\sim 10$	VEICUAL K	$\sim$	7/1.1	<b>_</b>

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Director, Division of Oil and Gas

File

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