

DEEP WELL 5-5 Washington Bottom (357)



IV-35 (Rev 8-81)

Sinde of Mest Airginia Pepartment of Mines Oil und Gas Division

Date	January	31, 1	983	}	
Opera	tor's				
Well	No. KEM	#265			
Farm_	Edware M	oore			
API N	0.47 -	107	-	1227	

## WELL OPERATOR'S REPORT

## DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas $\chi$ / Liquid Injection (If "Gas," Production $\chi$ / Undergro	n/ Wast und Storag	e Disposa e/ Deep	Sha	llow/)
IOCATION: Elevation: 839' Watershed W	nodvard's F	Ru <b>n</b>		· · · · · · · · · · · · · · · · · · ·
District: Lubeck County Wood			≥ South Pa	rkersburg 7
		•		
COMPANY Kaiser Exploration and Mining Company	<b>**</b>			Cement
ADDRESS P. O. Box 8, Ravenswood, WV 26164	Caşing	Used in	Left	fill up
DESIGNATED AGENT R. A. Pryce	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P. O. Box 8, Ravenswood, WV 26164	Size			
SURFACE OWNER Edward Moore, et al	20-16 Cond.			
ADDRESS Rt. 2, New England, WV	225 x26x4"	263(KB)	263(KB)	150 sks C1
MINERAL RIGHTS OWNER Same	9 5/8			
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Sam	7	2100/48)	2100(48)	65 sks po 100 sks Cl
Hershman ADDRESS Smithville, WV	5 1/2	2103[70]	2103(ND)	100 363 01
PERMIT ISSUED 10/05/82	4 1/2		4670(KR)	225 sks po
DRILLING COMMENCED 10/15/82	3		1070(10)	
DRILLING COMPLETED 10/21/82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON VERBALI PER ESSION OSIALIUS	usea.			
GPOLOGICAL TARGET FORMATION Oriskany Sandston	e	Dep	th 4576	feet
Depth of completed well 4670 feet		/ Cabl	e Tools	
Water strata depth: Fresh feet;				
Coal seam depths:			ed in the	area? NO
OPEN FLOW DATA				
Producing formation Oriskany Sandstone	Par	zone dep	th 4576	feet
Gas: Initial open flow 0 Mcf/d				
Final open flow 0 Mcf/d			•	
Time of open flow between init				
Static rock pressure psig(surface				
(If applicable due to multiple completion				
Second producing formation Devonian Brown		No. of the last of	•	
Gas: Initial open flow 0 Mcf/d				
Final open flow 171 Mcf/d				
Time of open flow between ini				
Static rock pressure 920 psig(surface				

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

11/09/82: Perforated Oriskany Sandstone from 4576-4584, 24 holes, 0.41" diameter.

Breakdown formation and pumped 24 bbls into formation at 1000 psig,

10.5 BPM; ISIP: 900 psig. No production. Set permanent plug at 3950'

on 11/16/82.

Huron

11/16/82: Perforated Devonian Brown Shale at 3720-3859' with 25 holes, 0.39" diameter.

11/29/82: Foam fractured the Devonian Brown Shale with 45,000# 20/40 sand, 945 MSCF of nitrogen; 344 bbl water; 2350 psig treating pressure; ISIP: 1000 psig.

WELL LOG

Soil & Shale Sand Shale Sand & Shale Siltstone & Shale Sand Siltstone & Shale Sand Siltstone & Shale Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale	0 174	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas
Soil & Shale Sand Shale Sand & Shale Siltstone & Shale Sand Siltstone & Shale Sand Shale Sand Shale Sand w/Shale stringers Shale Sand			and salt water, coal, oil and gar
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Sand & Shale Siltstone & Shale Sand Siltstone & Shale Sand Shale Sand w/Shale stringers Shale Sand	8 7/4	27.2	
Siltstone & Shale Sand Siltstone & Shale Sand Shale Sand w/Shale stringers Shale Sand	272	450	
Siltstone & Shale Sand Siltstone & Shale Sand Shale Sand w/Shale stringers Shale Sand	450	560	
Sand Siltstone & Shale Sand Shale Sand w/Shale stringers Shale Sand	560	690	
Siltstone & Shale Sand Shale Sand w/Shale stringers Shale Sand	690	741	
Sand Shale Sand w/Shale stringers Shale Sand	741	1040	
Shale Sand w/Shale stringers Shale Sand	1040	1078	
Sand w/Shale stringers Shale Sand	1078	1315	
Shale Sand	1315	1393	
Sand	1393	1528	
	1528	1610	
	1610	1668	
Salt Sands	1668	1896	/
Shale	1896	2124	
	2124	2156	
Coffee Shale (Sunbury) Berea Sand	2156	2158	
Shale	2158	3648	
Brown Shale	3648	3869	Show gas @ 3765
Shale	38 <b>69</b>	4228	3110W gas 6 3703 .
Marcellus Shale	4228	4470	Sharr and 0 4249
	4470	4574	Show gas @ 4248
- Onondaga Lime		8	Character 0:4502
Oriskany Sandstone	4574	4618	Show gas @ 4592
Helderberg Lime	4618	4694	
Total Depth	4694		
•			
•			3720
			2)58
•			Consideration and Constitution and Const
•			1562
•		The state of the s	
	g	<b>1</b>	

(Attach separate sheets as necessary)

Kaiser Exploration and Mining Compan	ıy
Well Operator	
By: FAP	
Date: January 31, 1983	·

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including worl, we make a line the little g of a cell."



Date:	Septe	ember	·21	ą	19	82
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Operator's KEM #265 Well No ..

API Well No. 47

State

107

County

1227

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## STATE OF WEST VIRGINIA

	Company of the contract of the	ELL PERMIT APPLICATION
WELL TYPE:	Oil J Gas X J	Behaviored dais \$195 TO De Sylvation (C. 19 and TO Describe Constitution of Co
With Share S	****** Year a complete.	Underground storage / Deep X / Shallow /)
LOCATION:		Watershed: Woodyards Run
Street Street Street Street		County: Wood Quadrangle: South Parkersbur
WELL OPERATO	P. Communication of the second	Mining Co. DESIGNATED AGENT R. A. Pryce
	P. O. Box 8	Address P. O. Box 8
· · ·	Ravenswood, WV 26164	Ravenswood, WV 26164
OIL & GAS	A Designation of the second se	•
	NER Edward P. Moore, et al	
Address	Rt. 2	Address
	New England, WV 26154	
Acreage	86.1	. COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWN	ER Same	Name None
Address	and the second s	Address
	And the state of t	4000/Eus/EU-FREDERFERSTEN LEDWINGERS LEDWINGSERDLANDSE
. Acrespe		Name
Field sale (1)	F MADE) TO:	Address
=Address	turney to	#State of Maria Control Contro
\$7COMMISSION		COAL LESSEE WITH DECLARATION ON RECORD:
OIL & GAS INS	PECTOR TO BE NOTIFIED	Name
	N. Hersman	Address
4.00	P. O. Box 66	
•	Smithville, WV 26178	4g042/55677/3/2004 Code Particular Representative and Code Particular Representative a
•	A STATE OF THE PROPERTY OF THE	entro currou aces
		il or gas purposes at the above location under a deed/ lease X
Louise Mo	one dated reprudry 20 19	80 to the undersigned well operator from Edward P. & Betty
ll said deed, les	use, or other contract has been recorder	
		of the Clerk of the County Commission of Wood County, West
Va. r inLCa	Se Book 751 at page	430 . A permit is requested as follows:
PROPOSED W	ORK: Drill X / Drill deeper	Redrill/ Fracture or stimulate/
	* ,	Perforate new formation/
* # #		pecify)
e e e		■ The part of COST Control of Cost Cost Cost Cost Cost Cost Cost Cost
	-planned as shown on the work	order on the reverse side hereof.
The above name	ed coal operator, coal owner(s), and coal le	ssee are hereby notified that any objection they wish to make or are required to
		of Mines within fifteen (15) days after the receipt of this Application by the
Department.		
Copies of this Pr	ermit Application and the enclosed plat an	d reclamation plan have been mailed by registered mail or delivered by hand to
		ee on or before the day of the mailing or delivery of this Permit Application to
the Department o	f Mines at Charleston, West Virginia.	
APPARAMENT CONTRACTOR		

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY Iro: WEST VIRGINIA OIL AND GAS CONSERVATION COMMIS-SION INSTRUCTION STREET EAST CHARLESTON, WY 25311

TELEPHON	4E: (304)	348-3092
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EXPLORATION AND MINING COMPANY

Well Operator

tus General Manager

OIL & GAS DIVISION DEPT. OF MINES

BLANCET BOND

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effectivities and specializations; non-minimal according to the contractions.	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		Натеритет с напримення уступую прият в почетор, из не напримента подосной почетор и на при напримента почетор
Conductor									Kinds	e de la companya de l
Fresh Water	10 3/	<u> </u>		<u> </u>		250'	250'	150 sks class	A (to surf	ace)
Coal		<b>.</b>		<u> </u>				65 sks 50/50	Sizes DOZMIX	they ministrates and a commence of the section of t
Intermediate	7"					2044'	2044'	100 sks Class		alagier o designatura (1950 - 1950) de professor de person agrico de caso da agrico de caso da agrico de la co
Production	4 1/	<u> </u>				4629'	4629'	225 sks 50/50	DOZMFX 501	ender various vory-sage papages or require ser reproduct to the state of the state
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Liners				ļ <u>.</u>					Perforations:	
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proposed well. The undersign	Hocation. ned has t	If a mind to object	e map exi	ists wh Swork	ich co prope	vers the area of used to be done	the well locati	f the coal under this on, the well location h on, provided, the wel ns.	as been added t	o the mine map.
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