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Sinte of Mest Airginia

Bepartment of Mines Gil und Gas Bivision

Date N	youember 12,1983
Operator	's
Well No.	5
Farm	westfall
	17-107-1261

WELL OPERATOR'S REPORT

OF

DRILLING,	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE
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TYPE: Oil / Gas // Liquid Injection (If "Gas," Production / Undergroun	/ Wast	te Disposal ge/ Deep	/ Sha	11ow/)
TION: Elevation: 644 G.L. Watershed L	ittle S	tillwell C	reek	
District: Clay County Wood				wha 7.5 mi
0				
ANY A poco Oil and Gas Corporation	_			Cement
===== 100 S. Orange Ave. Suite 909 Orlando, Fla.	Casing	Used in	Left	fill up
	Tubing	Drilling	in Well	Cu. ft.
=== 212 Court Street Spore . W.V. 252%	Size 20-16			
-ACE OWNER W.K. Westfall et uk.	Cond.			ļ.
	13-10"			
	9 5/8			Back to
- Box 184 Davisville, W. 20142	8 5/8	814'	814'	Surface
AND GAS INSPECTOR FOR THIS WORK Sameul	7			
man ADDRESS P.O. Box lab Smithville, W.V. 26178	5 1/2			
ISSUED	4 1/2	4148	4148'	500 St.3
	3			
ING COMPLETED July 21,1983	2			
EPPLICABLE: PLUGGING OF DRY HOLE ON	Liners			
INUOUS PROGRESSION FROM DRILLING OR DRKING, VERBAL PERMISSION OBTAINED	used			
N/A				
OGICAL TARGET FORMATION MORCEllus S	hale	Der	oth 48	<u>∞′</u> feet
Depth of completed well 4204 feet	Rotary_	✓/ Cab	le Tools_	
Water strata depth: Fresh 100 t feet;	Salt_	925' feet	t	
Coal seam depths: N/A	Is cos	d being mi	ned in th	e area? NO
FLOW DATA				
Producing formation Devoniar Shale	I	eay zone de	pth_386	3.3957 feet
Gas: Initial open flow 350 Mcf/d	Oil: 1	Initial ope	n flow	_O_Bp1/q
Final open flow 75 Mcf/d	. 1	Final open	flow	OBbl/d
Time of open flow between init	tial and	final test	s 48	hours
Static rock pressure 1100 psig(surfa	ce measu	rement) aft	er 48 h	ours shut in
(If applicable due to multiple completion	n)	-		
Second producing formation		Pay zone de	pth	feet
Gas: Initial open flow Mcf/d	Oil:	Initial ope	n flow_	
Final open flowMcf/d	Oil:	Final open	flow	Bb1/d
Time of open flow between ini	tial and	final test	:s	hours
Static rock pressurepsig(surface	e measur	ement) after	erh	onte epup ide
	TAY	29 1984 (Cont	irue on	reverse side)

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

Perforations:

1863 to 3957

20 .39 holes

Stimulation:

IJMMSCF Nitrogen

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	<u>REMARKS</u> Including indication of all fresh and salt water, coal, oil and gas
Permian + Pennsylvanian	surface	814'	
interbookded ss, sh, 4L3	8,14'	925'	
First Salt Sand	925'	1063	show water, hole got wet
silt stone and shale	1063	1188'	trace coal
Second Salt Sand	1188'	1247'	
31 It stone and shale	1247'	1414'	trace sandstone
Third Salt Sand	1414'	1442'	
Siltstone and shale	1442'	1485'	
Maxton Sandstone	1485'	1532'	picked up more water ! , tr. fluor
silty shale	1532'	1539'	
Greenbrige Limestone	1539	1585	
Silt stone and shale	1585	1602	
Big Insun Sandstone	1602	1.690	slight show of gas, tr. fluor.
Siltstone and shale	1690	2042	trace sandstone
Sunbury Shale	2042	2061	"coffee shale" Berea Absent
silt stone and shale	2061	2371	· · · · · ·
Gordon Siltstone	2371	2405	noshows
siltstone and shale	2405	3754	
LOWER HURON Shale	3754	3964	slight odor in samples
silt stone and shale	3964	4204	
			Druler's T.D. 4260 Huron
•.			Logger's T.D. 4204'
			4260

(Attach separate sheets as necessary)

Appen Oil + GAS Comporation

Well Operator

By: Benjam Smielter Geologist

Date: November 12, 1983

2061

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 only encountered in the drilling of a well."

DRILLING CONTRACTOR:



1)	Date:	26		2.50	19	
,		13.34				
2)	Operator's					
	Well No	1 1	1000	1 S 7 7 7 7	1.4	
				***************************************	7.75	

State

-	- V 1	
	County	Pern
	Country	

DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL TYPE:	A Oil		/ Gas					
	B (If "	Gas'', Prod	luction		/ Underground sto	orage	_/ Deep	/ Shallow/
LOCATION:							tio Stilledi	
					County:	1.4.630	Quadrangle:	
WELL OPERA				<u> </u>				er to the second
Address		- 4	<u> </u>	2		Address	The species of the sp	
OIL & GAS	365 174	***	•	······································	<u> </u>		V 64-355 - 48-1	
ROYALTY OV	VNER _	94 Y 15	stfall	1 .79 4	12) COAL OPERA	TOR	
Address			Open 10	6	<u> </u>	Address		
		svicy	1116.	35 10	<u> 102 </u>			
Acreage) COAL OWNER	R(S) WITH DECLAR	ATION ON RECORD:
SURFACE OW			.,		<u> </u>	Name		
Address			403			Address		
A			1115,20			N		
Acreage FIELD SALE		***				Name Address		
Address	(II. MADI	<i>a)</i> 10.				Address		
·					14) COAL LESSEE	WITH DECLARAT	ON ON RECORD:
OIL & GAS IN	ISPECTO	R TO BE 1	NOTIFIED)				
Name	12 (3)	h Lipsa	51 L 1 L 1 S 5 S			Address		
Address		1	3- 2- 2					
		457 105	* * · · · · · · · · · · · · · · · · · ·	* * *	t.			
PROPOSED V				•			ture or stimulate	
		_			/ Perforate n			
			_		cify)			
GEOLOGICA						· · · · · · · · · · · · · · · · · · ·		
					feet	alt,		
							feet. area? Yes	/ 11-
		-			Is coai	being mined in the	area? res	/ No
CASING AND	TUBING	PROGRA	M					
CASING OR		SPE	CIFICATIONS	s .	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor						10 20 3	的复数 自由 电电路	Kinds
resh water	. 1 .				7 19 20 1	4 23	Fill BHYEAK	187 (3.5 - 187, 5.5)
10311 Water				- 3			and many	Sizes
			- 1		-	1	 	
Coal ntermediate						7 - 134%	76 6 75 Mi	
Coal Intermediate Production		÷			2 2 3 3 A		# # 11 an Mac	Depths set
Coal ntermediate Production Tubing		t:			A 52.2			
Coal ntermediate Production Tubing	<u> </u>	÷			7.933			Perforations:
Coal ntermediate Production Tubing					4434			
Coal Intermediate Production Fubing		7:						Perforations:
Coal Intermediate Production Fubing Liners					4 1 1 2			Perforations:
Coal Intermediate Production Fubing Liners	N RIGHTS		wing:					Perforations:
EXTRACTION Check and pro-	N RIGHTS	f the follow se or leases	or other c	continuing co	ntract or contracts l	by which I hold the	e right to extract oil or	Perforations: Top Bottom
EXTRACTION Check and pro	N RIGHTS vide one o I is the lea uirement o	f the follow se or leases f Code 22-	or other c	continuing co		by which I hold the	e right to extract oil or	Perforations: Top Bottom
EXTRACTION Check and pro Included The requ	N RIGHTS vide one o l is the lea uirement o	f the follow se or leases of Code 22- S	or other of 4-1-(c) (1)	continuing conthrough (4).	ntract or contracts to (See reverse side fo	by which I hold the	e right to extract oil or	Perforations: Top Bottom gas.
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EXTRACTION Check and provided The required Copies of this named coal op Mines at Charl. My Commission S permit covering ements subject to the required Copies of the commission of the commission of the copies of	N RIGHTS vide one o l is the leadirement of COVISION xtract, pro on for com arketed? is No, no es (See rev Permit Apperator, cooleston, We Expires g the well to the com	f the followse or leases of Code 22-S duce or man pensation Yes	s or other contents of the court of the own of the court	continuing continuing (4). I or gas based her of the oil eded. If the allosed plat and lessee on or to cation shown ein and on the	ntract or contracts below is evidence of cereverse hereof. No	oy which I hold the r specifics.) r continuing contrach is not inherently and use Affidavit F mave been mailed be mailing or deliver. Signed: Its: NLY RMIT f permission grantotification must be	e right to extract oil or act or contracts providing y related to the volume. Form IV-60. By registered mail or dearly of this Permit Apple of the providing the provided to drill in accordangiven to the District O	perforations: Top Bottom gas. In g for flat well royalty or the of oil or gas so extract the state of the desired by hand to the addication to the Department of the Depart

Administrator, Office of Oil and Gas

Fee

Casing

Plat:

Agent:

Bond: