

WR-35



State of Mest Nirginia

DEPARTMENT OF ENERGY
Oil and Cas Division

Pate	June 15, 198	7
bperato Well No	or's . #1	·
Farm_	J. W. P. Cain	•
API No.	47 - 085 -	7568

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT

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

WELL TYPE: Oil $\frac{X}{X}$ Gas $\frac{X}{X}$ Liquid Injection (If "Gas," Production $\frac{X}{X}$ Undergro	n_/Wast	e Disposa e/ Deep	l/ p/ Sha	llow/)
IOCATION: Elevation: 655' Watershed	Gillespie	Run		
District: Grant County Rit			2	
•		,	***************************************	
COMPANY VOYAGER OIL & GAS CORPORATION				
ADDRESS P.O.Box 183, Reno, OH 45773	Casing	Used in	Left	Cement
DESIGNATED AGENT David G. Hanlon	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS 108 E.Main St., Harrisville, WV 26362	Size			
SURFACE CWNER Andrew C. Farmer	20-16			
ADDRESS Route 1, Petroleum, WV 26161	Cond.			
MINERAL RIGHTS OWNER Ernest Hill	9 5/8			
ADDRESS Route 1, Petroleum, WV 26161	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Samuel				
Hersman ADDRESS P. O. Box 66 Smithville, WV 26178	7		319'	84
PERMIT ISSUED 12/3/86	5 1/2			
DRILLING COMMENCED 12/9/86	4 1/2	2132'	2119'	85
DRILLING COMPLETED 12/11/86	3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REPORKING. VERBAL PERMISSION OBTAINED ON	Liners used		-	
GEOLOGICAL TARGET FORMATION Berea		Dept	203 ²	feet
Depth of completed well 2119 feet	Rotary	*		1000
Water strata depth: Fresh 20 feet;			10013	
			مطاعب علاء	- No
OPEN FLOW DATA	_ is coar	being mine	ed in the	area?
Producing formation Big Injun	77		., 1	555
Gas: Initial open flow Mcf/d				reet
			-	
	Fir			
Time of open flow between init	Tar am II	nai tests	hc	ours
Static rock pressure 700 psig(surface)		ment) after	r 24 hou	rs shut in
(If applicable due to multiple completion				
Second producing formation Gas: Initial open flow	Pay	zone dep	th	feet
Gas: Initial open flow Mcf/d	Oll: In	itial open	flow	Eb1/d
Final open flow Mcf/d	Oil: Fir	mal open f	low	Ebl/d
Time of open flow between init	tial and fi	inal tests	hc	ours
Static rock pressurepsig(surface	e measurend	ent) after		urs shut in UL 6 1987

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

Perf:

1634' - ;644' w/40, .39" holes

Frac:

40 # Cross-Link Polymer w/16,800 gal water, 367 sx sand

Break:

1430 psig

Avg Treat: 1410 psig @ 8 BPM

ISIP:

1550 psig



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WEIL LOG

Surface to 100' not logged Siltstone, Shale, Tr SS Cow Run Sandstone Siltstone, Shale, Tr SS First Salt Sand Siltstone, Shale, Coal Second Salt Sand	100 662 700	662 700	Including indication of all fresh and salt water, coal, oil and gas 7" surface csg. @ 322'
Siltstone, Shale, Tr SS Cow Run Sandstone Siltstone, Shale, Tr SS First Salt Sand Siltstone, Shale, Coal	662		7" surface csg. @ 3221
Cow Run Sandstone Siltstone, Shale, Tr SS First Salt Sand Siltstone, Shale, Coal	662		7" surface csg. @ 3221
Siltstone, Shale, Tr SS First Salt Sand Siltstone, Shale, Coal		700	
First Salt Sand Siltstone, Shale, Coal	700	, 00	No shows
Siltstone, Shale, Coal	i	895	3.6 5.10 % 5
	895	980	No shows
Second Salt Sand	980	1073	Coal: 1035' - 1040'
	1073	1139	No shows 1068' - 1070'
Shale, Siltstone, Coal	1139	1242	
Third Salt Sand	1242	1338	1150' - 1154'
Siltstone, Shale, Coal	1338	1375	1170' - 1172'
Maxton Sandstone			1208' - 1210' 1374' - 1377'
Greenbrier Limestone	1375	1484	Good show Oil & Gas @ 1430'
Greenbrier Sandstone	1484	1521	
Big Injun Sandstone	1521	1552	No shows
Shale, Siltstone	1555	1654	Show gas & oil 1630' - 1650'
Sunbury Shale	1654	2027	
	2027	2034	Organic
Berea Sandstone	2034	2042	Slight show of gas
Siltstone, Shale	2042	<u>T</u> . D.	- 840
			Driller's T. D. (2132'
			Logger's T. D. 2131'

(Attach separate sheets as necessary)

		VOYAGER	OIL & GAS CORPORATION	
	Well	Operator	Richard Hudson	
By:			0111	
Date	<u>:</u>	6/15/87	de mande local de mande	- Butu

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

	WW-2(B)	FILE	COPY	, Y	
(Obv∈ 7/85	rse				7
		NOA	28	1986	



1) Date: Nov	ember 1	.2,	1	<u>86 </u>
2) Operator's Well No	J.W.P.	CAIN		
3) API Well No.	47 - 08	35 - 75	568	
<i>y</i> , 1111	State	County	,	Permit

STATE OF WEST VIRGINIA

BLANKET BOND #B-004374-087-86

DIVISION OF OIL & CASE APPLICATION FOR A WELL WORK PERMIT

DE	BUTWEN	I OF E	NERGY	AP	PLICAL	ION FOR A WELL	WURK PERMIT			
4) WELL TY		**	/ Gas	s	<u>X</u> /					••
,	B (If	"Gas", F	roduction		X	✓ Underground ste	orage	_/ Deep	✓ Shallow	/)
5) LOCATIO	ON: Elev	vation:	555 '				illespie Ru	n	7-2 7 51	
0,	Dist	trict:	Grant		711	_ County	tchie 085		Cairo 7.5'	
6) WELL O	PERATOR_	VOYAGI	ER OIL	& G <i>E</i>	AS CODI	3: <u>315 90</u> 7) DESIGNATED		G. HANLO	
Addre		P. O.	Box 18	33			Address	108 East M		
			Ohio 4		3 '			Harrisvill	2, WV 203	
8) OIL & G				IED		S) DRILLING CO	NTRACTOR: OUTS OPERATIO	NS. TNC.	
Name	Samuel							Route 2, B		
Addre		0. Bo		26	170		Address	Glouster,		2
			le, WV		L78			1	7 ,	-
10) PROPOS	ED WELL V	VORK:	Drill	X	/ Drill	deeper		/ Stimulate/	—	•
			_			/ Perfora	te new formation.			
			_		change in Berea	well (specify)				
II) GEOLOG						00 feet				
	nated depth o				35	feet; salt,	1100	feet.	-	
	roximate trat					7 (l being mined in the		/ No	X/
	roximate coal					is coa	. Joing mined in the			
15) CASING	MIND IORI		CIFICATIONS		g eft se."	FOOTAGE IN	TERVALS	I CEMENT FILL-UP	PACKE	RS
CASING OR TUBING TYPE			Weight	1	.		Left in well	OR SACKS (Cubic feet)		
·	Size	Grade	per ft	New	Used	For drilling	Leit in wen	(Cable leet)	Kinds	
Conductor	7"			X	1	320'	300	To surface	by rule /5	5.05
Fresh water			-		1 1				Sizes	
Coal			1		1					
Intermediate	4.5"		9.5#	X	1	2200'	2200	As per	Depths set	
Production	1 4.5		7.5"				4	rule	<u> </u>	1220
Tubing	_				 				Perforations:	
Liners	_								Тор	Bottom
					 		l			
			 					1		
		<u> </u>	<u> </u>	·	· · · · · ·					
				•						
	·					OFFICE USE C	ONLY			1.0
						DRILLING PE	RMIT			
		47 00	E 7E60	.* '			• •	Decem	her 3	19 86
Permit number	r	47-08.	5 - 7568					Decem		
						1. d ! !				tinent legal re
This permit co	vering the w	ell operat	or and wel	l locati berein	on snown	e reverse hereof No.	of permission grant	ed to drill in accordan	and Cas Inspec	tor (Pefer to
quirements sui	the construct	tion of ro	ads. locatio	ns and	Dits for a	ny permitted work.	In addition, the w	ven to the District Oil ell operator or his co	itractor shall no	tify the proper
district oil and	l gas inspecto	or 24 hour	s before a	ctual p	ermitted v	vork has commenced	1.)			
The permitted	work is as d	escribed in	n the Notic	e and	Application	n, plat, and reclama	ation plan, subject	to any modifications a	and conditions sp	pecified on the
reverse hereof										
Permit expires		Decem	ber 3,	1988	3	unless well	work is commenced	d prior to that date and	l prosecuted with	ı due diligence
B 4 -	Anont		Print.	Can	. na	Fee WPCP	SAF	Other	: *	
Bond:	Agent			Cas		1306 17	\	Cilci		
	L~		$1 \leq C$	<u>N</u>	<u> </u>	207				• .
	•			_		156 (11	() st to	74	
							The N.	xpmalo.	/	
NOTE: Keep	one copy o	f this perr	nit posted	at the	drilling lo	cation.	kector JDA	ision of Oil	and Gas	7 / km