



IV-35 (Rev 8-81)

State of West Airginia

Bepartment of Mines Gil und Gas Bivision

Date_	12-16-85	
Operat	or's	
Well N	o. Moore #2	
Farm		
APT No	47 - 107 - 137	0

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 867 Watershed_	Neal Ru	1			
District: Lubeck County Woo	od	Quadrangle	South	Parker	<u>s</u> bu:
COMPANY Larry Morris					
ADDRESS Rt. 1, Washington, WV	Casing	Used in	Left	Cement fill u	4
DESIGNATED AGENT Same	Tubing	Drilling	in Well		
ADDRESS Same	Size				
SURFACE OWNER C.A. Moore	20-16 Cond.				
ADDRESS	XX-10"		350	To Sur	fac
MINERAL RIGHTS OWNER Same	9 5/8				
ADDRESS	8 5/8	1254			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1892			
Robinson ADDRESS Mineral Wells	5 1/2				
PERMIT ISSUED June 18, 1985	4 1/2		4000	160 SI	ζ
DRILLING COMMENCED July 19, 1985	3				
DRILLING COMPLETED October 21, 1985	2			·	
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners useđ				
GEOLOGICAL TARGET FORMATION Devonian	Shale	Der	th 400	00 f	feet
Depth of completed well 4000 feet	Potary	/ Cabl	e Tools		
Water strata depth: Fresh 250 feet;	Sal+ 15	/ cast		**	
Coal seam depths: None	Ts coal	being mir	ed in th	e area?	
Coal Seam depuis:					***************************************
OPEN FLOW DATA	_	9	3/15	5 · 1	e
Producing formation Shale		y zone dep			
Gas: Initial open flow 10 Mcf/d	011: 11	itial oper	I IIOW IV	onechmen	ы/u ы/ <i>а</i>
Final open flow 200 Mcf/d)1/U
Time of open flow between ini					+ in
Static rock pressure 585 psig(surfa		alent) aru		MIS SIM	
(If applicable due to multiple completion		ou zone dei	ath		feet
Second producing formation	Oile T	nitial one	n flow		 b] /c
Gas: Initial open flow Mcf/d					
Final open flow Mcf/d					/
Time of open flow between in: Static rock pressurepsig(surface)					

(Continue on reverse side)

with a little

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

Perforated 21 holes between 3843 and 3415 fractured with 1,500,000 Cubic feet Nitrogen.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh
	20		and salt water, coal, oil and gas
Red Rock	0	62	
Sand	62	77	
Slate	77	85	
Red Rock	85	95	
Slate	95	118	
Red Rock	118	128	
Sand	128	140	Water at 135
Slate	140	190	
Red Rock	190	248	• • •
Slate	248	303	
Sand	303	320	` `
Slate	320	330	Water
Sand	330	365	
Slate	365	390	
Pink Rock	390	395	
Sand	395	405	
Slate	405	483	
Red Rock	483	510	
Slate	510	570	
Sand Sharp	570	600	
Slate	600	665	
Red Rock	665	675	
Slate	675	705.	
Sani	705	730	Gt to 1 Dec to 1 Websit 545.65
Slate_Limey	730	745	Started Dumping Water 745ft.
Pink_Rock	745	819	
Red Rock	819	840	
Slate & Lime Shells	840	865	,
Red Rock	865	872	
Limey Slate	872 885	885 92 4	
Red Rock - Caved Bad at 913	924	1005	•
Slate	1005	1009	~
Lime (Hard)	1008	1015	
Sand	1015	1045	·
Slate	1045	1066	
Sand - little water	1066	1115	
Slate	1115	1158	
LIme Gritty	1158	1210	• .
Sand (Sharp)	טלוו	1210	

(Attach separate sheets as necessary)

Larry Morris Well Operator Date: 42-16-85

Regulation 2.02(i) provides as follows:

 $\{1, 2, 3\}$

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

Formation Color Hard or Soft	Top Feet	Bottom Feet	Remarks
Slate Sand Black Slate Sand Black Slate Sand (Hard) Slate Broken Sand Sand (Sharp) Black Slate Slate & Shells Sand (Hard) Settling Sand Slate & Shells Lime Slate & Shells Lime Slate & Shells Limey Slate Slate & Shells Brown Shale Berea Sand Sandy Shale Lime Slate & Shells Brown Shale Gray Slate Alle	1210 1300 1350 1360 1365 1391 1487 1545 1580 1650 1770 1871 1917 1940 2075 2131 2166 2270 2325 2434 2455 2455 2535 2636 2735 2735 2735 2735 2735 2735 2735 2735	1300 1350 1360 1385 1391 1413 1480 1487 1545 1580 1650 1700 1732 1737 1871 1917 1940 2009 2012 2030 2075 2131 2161 2208 2270 2320 2325 2329 2325 2329 2434 2455 2490 2535 2735 3115 3340 3899 4000	Gas 1687 800 M.C.F. Hole full of water 171 Good Gas Show Gas Show 3415 Gas Show 3776 Gas Show 3843 Oil show
	•	Jours	•

POEM IV-1 (Obverse) 7-83	(B)	Ju	HE COPY		
		JUL	9 19 85		



Date:	June 18	19 <u>85</u>

2) Operator's Moore #2

1)

3) API Well No. 47 107 -1370 | State | County | Permit

File

DEPT. OF MINES

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

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

WELL TY				asX_	/ 【	/ 11ndananaund	••	/ D	v Statia Y o
LOCATIO	•		867'		\	•	Neal Run	/ Deep	_/ ShallowX/)
LOCATIO			•					Quadrangle: S	outh Parkersburg 7
WELL OP					588	County		AGENT Larr	
Address							Address		Same
	_Was	shingt	on, W. V	. 261	181	33675			
OIL & GA	S INSPEC	FOR TO	BE NOTI	FIED			9) DRILLING CO	ONTRACTOR:	
NameC	len P.						Name		
Address					sants I	Estate	Address		
**	_Mi	neralw	ells,		_				
PROPOSE	D WELL V	VORK:	Drill	<u>X</u>	_/ Drill	deeper	/ Redrill	/ Stimulate_X	/
•	•		_				ate new formation	/	
						well (specify)	(401)		
GEOLOGI	ICAL TAR	GET FOR	MATION	, Pla	TLGGTI	ıs Shale	(401)		
12) Estima	ated depth o	or complet	ea well,		4000	feet; salt	450'	6 4	
13) Appro14) Appro							,	feet.	/ No_X/
CASING A		_				18 CO	ar being inned in the	e area? Yes	/ NO/
ASING OR	1110 1001		SEATION	ıs.	91	FOOTAGE I	NTEDVALC	I CEMENT FILL-UP	l PACKERS
BING TYPE	S1	Grade	Weight	1 .			Left in well	OR SACKS	ACKERS
iuctor	Size 10"	Grade	per ft.	New	Used	For drilling	250°	CTS Name	Kinds
water	81/4"		1	Х		1150'	ACOUNT	Neat	Kinus
			1	1 "					Sizes
mediate	7"		†	Х		1900'	1900	505X	
uction	4 1/2)1		Х			4000' CT	400 sacks 0	sepaso reguire
ng						•		but	
rs									Perforations:
······································				1					Top Bottom
	_		 						
	1		<u> </u>				<u></u>	1	
*****						TELOP LICE	~~···		
						OFFICE USE			
					D	RILLING PE	KMII		- 4 - 0-
nit number_	47-	107-1	370						July 9 19 85
								Da	te
permit cov	ering the w	ell operate	or and we	ll locatio	on shown b	pelow is evidence	of permission grant	ed to drill in accordar	ice with the pertinent legal re-
ements subjection (8) Prior to	ect to the co the construc	onditions e tion of r e	contained ads, locat	herein a tions and	ind on the I pits for a	reverse hereof No nv permitted work	ourication must be §	given to the District Of rell operator or his con	l and Gas Inspector, (Refer to tractor shall notify the proper
ict oil and g	gas inspecto	r 24 hour	s before a	ictual pe	rmitted wo	ork has commence	d.)	on operator or ms con	muctor shan notify the proper
permitted w	ork is as de	scribed in	the Noti	ce and A	pplication.	, plat, and reclam	ation plan, subject t	to any modifications a	nd conditions specified on the
rse hereof.	T., 1	O	1097		••		• • •	•	•
nit expires .	201	y 9.	1707			unless well	work is commenced	l prior to that date and	prosecuted with due diligence.
						 1			
Bond:	Agen	t:	Plat:	Casin	ıg l	Fee			_
1000	A1.13	1	nu	m	11/12	43	か / 1		
999	1100	/	1/4		V 12	<u> </u>	r y F	inconst.	1 / / / / /
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See the reverse side of the APPLICANT'S COPY for instructions to the well operator.