

Deep well 6-6 Gay (163)

RECEIVED

03-Apr-90 API # 47- 35-02210

DEPT. OF ENERGY

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

CASTO, RICHARD E. Farm name:

Operator Well No.: 31-S-120701

LOCATION:

Elevation: 722.00 Quadrangle: KENTUCK

District: WASHINGTON

County: JACKSON

Latitude: 6200 Feet South of 38 Deg. 42Min. 30 Sec. Longitude 3400 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: ASHLAND EXPLORATION, INC.

P.O. BOX 391, A1-6

ASHLAND, KY 41114-0391

Agent: FORREST BURKETT

Inspector: JERRY TEPHABOCK

04/04/90 Permit Issued:

Well work Commenced: 5/31/90 Well work Completed: 7/13/90

Verbal Plugging

Permission granted on:

Rotary X Cable Total Depth (feet) Rig

<u>5120'</u> Fresh water depths (ft) 10',45',320'

approximately 480'
Salt water depths (ft) 1" stream @ 1620
1/4" more @ 1650', 2 1/4" stream @ 1850' Is coal being mined in area (Y/N)?N

Coal Depths (ft): _:None Noted"

-	Casing	Used in	•	Cement
-	Tubing	Drilling		Fill Up Cu. Ft.
200 000000	Size			
THE PERSON NAMED IN	16"	41'	41 7	11.8
	9 5/8"	520'	520'	195
Company of the Company	7"	1987'	1987}	360
)	4 1/2"	5079'	5079	306
and Committee of the Co	2 3/8" t	bg @ 4961'		

OPEN FLOW DATA

Producing formation	Devonian Shale	<pre>Pay zone depth (ft)</pre>	3604-4963
Gas: Initial open flow	0 MCF/d Oil:	Initial open flow	Bbl/d
Final open flow	730 MCF/d	Final open flow	Bbl/d
Time of open flow	between initial	and final tests ${3}$	Hours
Static rock Pressure	<u>1200</u> psig (surf	ace pressure) after <u>72</u>	Hours
Second producing forma		Pay zone depth (ft)	
Gas: Initial open flow	MCF/d Oil:	Initial open flow	Bb1/d
Gas: Initial open flow Final open flow	MCF/d Oil: MCF/d	Initial open flow Final open flow	
Gas: Initial open flow Final open flow	MCF/d Oil: MCF/d between initial	Initial open flow	Bbl/d

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: ASHLAND EXPLORATION, INC.

umen Stephens James L. Stephens, Engr. Tech. Date: 7/25/90

FORMATION OR ROCK TYPE	TOP	BASE	
Sand & Shales Lower Lee Sand Injun Shales Coffee Shale Berea Devonian Shale Onondaga LS	0 1566 1861 1932 2320 2339 2347 5082	1566 1861 1932 2320 2339 2347 5082	UD 2347. UH 3560 T 4282
DTD 5120 LTD 5098			A 44432

WELL TREATMENT

Perf L. Dev. Shale 25H/4680-4963. N2 frac using 750 gal 15% Inh Fe acid, 1,012,391 SCF N2 @ 97,600 SCF/min. BD @ 3522#, ATP 4494#, MTP 4523#, ISIP 2556# & 15 min. 1733#.

Perf U. Dev, Shale 25H/3604-4230. N2 frac using 750 gal 7 1/2% Inh. Fe acid, 1,009,737 SCF N2 @ 97,400 SCF/min. BD @ 3078#, ATP 3840#, MTP 3975#, ISIP 24444# & 15 min 1640#.

1750/

January 4/4/90
Cypris 4/4/92
VIRGINIA

I ─ Agent

		DEPART	MENT OF		VISION OF OI APPLICATION			
1)	Well Ope	erator:A		0042	nc. 275		416	
2)				E. W. Perkin	s, etal 120701		.evation:722.0	
4)	Well typ	pe: (a) (Dil_/	or Ga	s <u>X</u> /			
		(b)	If Gas:		n_X/ Undergr	ound Storag		
5)	Proposed	l Target l	Formation	n(s): Devon	441 ian Shale			
6)	Proposed	I Total De	epth:	5067 KB	feet	,		
7)	Approxim	nate fresl	water s	strata dep	ths: 335	480		
8)				epths: 169				
9)	Approxim	mate coal	seam dep	oths: Non	2			
10)	Does lar	nd contain	n coal se	eams tribu	tary to acti	ve mine? Y	es/ No_X	
11)	Proposed	l Well Wor	k: //	Mc H	ulete Ne			
12)			M	a) Sum	more pil	www.		
CASING AND TUBING PROGRAM								
TYPE	***************************************	S	PECIFICAT	TIONS	FOOTAGE IN	TERVALS	CEMENT	
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)	
 Condu	uctor	16	LS	42.0	30	30	CTS	
Fresh	n Water	95/9	440	323	510'	570 (CHS	
Coal		Ar .					36591811-3	
Inter	rmediate	185/8	, J55	24.0	1967	1967		
Produ	action	5 1/2	J55	15.5	5067	5067	386570411-1 As Needed	
Tubir	ng	1.9	J55	2.76		5007	Siphon	
Liner	rs			-				
PACKE	E <u>RS</u> : Kin Siz Dep							
151					and Gas Use	-	d _ WPCP	

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4)



Date: March 21, 1990
Operator's well number
E. W. Perkins, etal No. 31, Serial #120701
API Well No: 47 - 035 - 2210
State - County - Permit

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Surface Owner(s) to be served: 5) (a) Coal Operator:

	(a) Name	Richard E. Casto	Name <u>N/A</u>	
	Address _	830 Maplewood Street	Address	
		Madison, WV 25130		
	(b) Name		(b) Coal Owner(s) w	ith Declaration
	Address			
			Name No Coal	
	(c) Namo		Address	
	Address		3.7	
	waaress -		Name	
	****		Address	
<i>~</i> \	•			
6)	inspector	Jerry Tephabock	(c) Coal Lessee with	n Declaration
	Address _	Route 1, Box 101-A	Name N/A	
		Ripley, WV 25271	Address	
	Telephone	(304)- <u>372-6805</u>		
		TO THE PERSON(S) NAMED A	BOVE TAKE NOTICE THAT	
				ī
	Included	is the lease or leases o	r other continuing cor	tract or
cont	racts by w	which I hold the right to	extract oil and car	rerace of
X	Included	is the information requi	red by Chanter 220 F	<u>/K</u>
Sect	ion 8(3) o	of the Code of West Virgi	red by Chapter 228, Ar	ticle I,
	T ~ 0 ~ + ; =	t that as required?	mid (see page 2)	
T h-	r cercity	that as required under	Chapter 22B of the Wes	<u>st Virginia Code</u>
r ug.	ve served	copies of this notice an	d application, a locat	fion plat and
acco:	mpanyıng d	ocuments pages 1 through	2 on the above name	ed parties, by:
	Pers	onal Service (Affidavit	attached)	
	X Cert	ified Mail (Postmarked p	ostal receipt attached	3) *
	Publ	ication (Notice of Publi	cation attached)	- ,
				_
	I have re	ad and understand Chapte	r 22B and 38 CGP 11_19	and I acros
to t	he terms a	nd conditions of any per	mit icened under this	, and I agree
	T. certifu	inder penalty of law ter	mic issued under this	application.
fami	liar with	under penalty of law th	at I have personally e	examined and am
	ar Alrii	the information submitte	on this application	torm and all
arrd.	connects, a	nd that based on my inqu	rry of those individua	ls immediately
resp	onsible to	r obtaining the informat	ion, I believe that th	ne information
IS C	rue, accur	ate, and complete.		
	. I am awar	e that there are signifi	cant penalties for sub	mitting false
info	rmation, i	ncluding the possibility	of fine and imprisonm	nent.
	•	Well Operator	Ashland Exploration, In	
		HHEBY: J. T. Mel	linger The	
			r Eastern Region	
		Address P.O.	Par 201	//
			and, KY 41114/	
C,, h = :		Telephone 606	/329-5450	
o u DS	cribed and	sworn before me this 21	st day ofMarch	, 19 <u>90</u>
	1/1:16			
***************************************	Wille	W. NMR		Notary Public
Му с	ommission	expires November 23, 1990		
•				