

IV-35 10461 TTA 140081 9 7 (Rev 8-81)



State of Mest Mirginia Pepartment of Mines

Oil und Cas Bivision

Date 11/30/83	•
Operator's Well No. 1	
Farm Tasa Coal Co.	
API No. 47 - 005 -	1419

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 785.4' Watershed				TEMPONE
District: Peytona County B	oone	Quadrangl	e Racino	
75 122				
manage Authorit Employation Inc.			#2-12 E	Sand
COMPANY Ashland Exploration, Inc.			ab atam	Cement
DDRESS P. O. Box 391, Ashland, Ky. 41114	Casing	Used in	Left	fill up
DESIGNATED AGENT Forrest Burkett	Tubing	Drilling	in Well	Cu. ft
DDRESS P. O. Box 156, Brenton, WV 24818	Size		emil el	Light
SURFACE CANER Appalachian Power Co.	20-16 Cond.	451	45'	ZO sks
DDRESS Box 1986, Charleston, WV 25327	13-10°	218'	218'	140 sks
INERAL RIGHTS OWNER Tasa Corporation	9 5/8	718		
DDRESS Suite 2701 Gateway Tower, Gateway Ctr.		1063'	1063'	240 sks
DIL AND GAS INSPECTOR FOR THIS WORK	7	1003	1003	
thur St. Clair ADDRESS P. O. Box 157, Brenton	1, W		.00	100
PERMIT ISSUED 6/16/83	3 1/2	0.5	AD ANTE	and a
ORTILING COMMENCED 7/27/83	4 1/2	3206'	3206'	90 sks
PRILLING COMPLETED 8/9/83	3		insea)	-
F APPLICABLE: PLUGGING OF DRY HOLE ON	2		3160	
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	used			
N				-
EDILOGICAL TARGET FORMATION On ond	aga Limeston	e Dep	th 423	fe
Depth of completed well 4250 feet	Rotary X	/ Cable	e Tools_	
Water strata depth: Fresh 68 feet	; Salt 42	feet		
Coal seam depths:		being mine		area? N
OPEN FLOW DATA			1294-	1308 - 171
Producing formation Devonian Shale, Inj				
Gas: Initial open flow 23 Mcf/d				
Final open flow 340 Mcf/d	Fir	nal open fi	low	Bbl
Time of open flow between in	itial and fi	inal tests	3 ho	urs
Static rock pressure 610 psig(surf	ace measure	ment) after	192 hou	rs shut
(If applicable due to multiple completi	ion)			
Second producing formation	Pay	zone depl	th	fe
				Bbl
Gas: Initial open flow FCI/G				
Gas: Initial open flow Mcf/d Final open flow Mcf/d	Oil: Fir	val open I.	LOW	ROI

FURM IV-35 (PEVARSE)

70000

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

Open Hole Nitrogen frac Devonian Shale 3206-4250. BD @ 1800#, ATP 1840#, ISIP 1460#.

15 min 1420#. Pumped 1,464,000 SCF/N2 @ 48,000 SCF/min ATR.

Perforate Injun - 20H/1294-1308 - dump 500 gal 15%, load hole w/foam - would not break. Swab - dump 500 gal 28% HCl. Foam frac Injun w/75 Quality foam @ 20 BPM (foam) ATP 2243#, ISIP 1490#, 15 min 1380#. TL&FW 266 bbl, TSLF 137 bbl. Pumped 434,000 SCF N2 & 30,000# 20/40 sand.

WELL LOG

Sand Shale Sand & Shale Sand Shale Lower Salt Sand Shale	0. 75 122 270 545	75 122 270 545	5" stream wtr
Shale Sand & Shale Sand Shale Lower Salt Sand	122 270 545	270	
Sand & Shale Sand Shale Lower Salt Sand	270 545		
Sand Shale Lower Salt Sand	545	5/5	0.1001
Shale Lower Salt Sand			Salt wtr @ 420'
Lower Salt Sand		604	COMPANY Ashland Exploration
	604	777	ADDRESS P. O. Box 391. Ast
	777	904	Control of the Contro
Lower Maxton	904	1003	DESIGNATED AGENT FORTAGE
Shale	1003	1005	THE STATE OF THE STATE OF
Little Lime	1005	1077	ADDRESS P. O. Box 156, Bres
Benedit Core	1077	1081	SURFACE CARRES Appalachia
Big Lime	1081	1276	
	1276	1291	ADDRESS Box 1986, Charlest
Injun	1291	1308	MINESPAL RECEIPS CHARRES TO
Shale	1308	1723	BI RAYMO GARDAN MANDELLI
C. C. Chale	1723	1739	ADDRESS Suite 2701 Cateway
Berea	1739	1748 -	
Devonian Shale	1748	1930	OIL AND CAS INSPECTOR FOR
Gordon	1930	2007	T spongers exact to endered
Devonian Shale	2007	4138	3206
	4138	4194	1748 CONTROL W NO
	4194	TD	28
Onondaga Ls.	-	17/83	12 A CONSTRUCT SMILLING
DTD 4250'	11	8/83	A CHESTSNOT SMILTING
	may be to be a first of the second		The same of the sa
LTD 4223*		E DRY HOLE	1748 SEERICANIES SE
tennal tennal	11 9	O SMILLING M	2100 4250
the second secon		CHULATED MOLA	3848 3848 Lespt.
		-	- 38 48 (402 expl.
	-		1tg
	I sasbgogo	590	GEOLOGICAL TARGET FORMATE
	feet Rot	11 4250	Depth of completed w
	feet; Su	80 masti	Water strata depth:
a coal being mined in the area			Coal sean depths:

(Attach separate sheets as necessary)

ASHL	AND EXPLORATION, INC.	
	Operator	St
By:	Verefe S. Mina	(1)
Date:	November 30, 1983	Sc

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 end, encountered in the drilling of a well."

Ray Resources Drilling Co.

DRILLING CONTRACTOR:



1)	Date:	I L		, 19
2)	Operator's Well No.	Serial	No.	097211
3)	API Well No.	47	005	1419

County

Permit

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

2 2 6 3	Lieston,	NV 2	5311		OIL AND GA	S WELL PERMIT	APPLICATION		
1)	WELL TYPE:	A Oil		/ Gas	X as ,			i benengeran sas	
וד	WELL TITE.		'Gas'', Pro		X	/ Underground st	orage	_/ Deep	/ Shallow/)
5)	LOCATION:		tion:	83.4		Watershed:	neycamp For	k of Brush Cr	reek ,
		Distri		Explor	ation. I	County:	one	Quadrangle:	icine
6)	WELL OPER	ATOR	0. 30	× 391		11) DESIGNATED	AGENT) out were
	Address	As	hland,	KY	41114	OSC RES BOTH AND	Address	quo a Brenton	i, WV = 24818
7)	OIL & GAS ROYALTY O	WNER	sa Cor	porati	on	12) COAL OPERA	TOR Mone	
	Address	Su	dte 27	Ol, Ga	teway Tov		Address		
	Acreage	82	15.4) COAL OWNER	(S) WITH DECLAR	ATION ON RECORD:
8)	SURFACE OV	WINEK	palach 0. Bo	1000	wer Compa	iny best a	Name	None	O SERVICE AS
	Address		arlest	on, WV	25327		Address		hosto (C
0)	Acreage		30.72				Name		
9)	FIELD SALE Address	(IF MAD.	E) 10:	NEWS COR	se iglidžiaiem	eg "gulerinitag	Address	as enable. "Testado	Observers a
10)	OIL & GAS II	NSPECTO	P TO RE	NOTIFIE	D	14) COAL LESSEE Name	WITH DECLARATI	ION ON RECORD:
10)	Name	AT	thur 8	t. Cla	ir		Address .		BEST TO THE
	Address	P.	enton-	WY NY	24318	Maria L. V. Tring-			
1.5	DDODOGED I	WORK	Deill X	, ,	Deill door	/ P. J.''I	, ,	turo or stimulat	
13)	PROPOSED V	WUKK:	DrillPlug off		Drill deeperation	/ Redrill/ Perforate n	ew formation	ture or stimulate/	THE REAL PROPERTY.
					ge in well (spe				
16)	GEOLOGICA	L TARGE	T FORMA	ATION, _	Onondaga	Line	10 a.a. a. 6		
	17) Estimated				4231	feet	alt, Salt Sand		
				hs: Fresh	None				/ No
	19) Approxim					Is coal	being mined in the	area? Yes	/ No/
20)	CASING ANI	TUBINO	G PROGR	AM					
	CASING OR TUBING TYPE	Size	SPI Grade	Weight per ft.	New Used	FOOTAGE For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
-	Conductor	3 3/8	Grade	48	New Osed	70 drining	Left in weir	15 sks	Kinds
I	Fresh water	9 5/8	五-55	32	X	200	200	Circulate	
9	Coal		-	723 13		sed in the stock of	the late seems to		Sizes
-	Intermediate	4 172	K-33	10.5	X	423	923	As Required	
-	Production	4 1/2	W. 54	2000	**	4231	4431	ns acquired	Depths set
	Tubing Liners								Perforations:
	Lineis								Top Bottom
								1 00000 12100 21101	
				Steaks2					
22) If th	The req ROYALTY PI Is the right to e similar provisi produced or m he answer above Required Copi Copies of this	ovide one of d is the lea uirement of ROVISION extract, pro on for contarketed? e is No, no es (See rev Permit Ap	of the folice ase or lease of Code 22 NS oduce or manpensation Yes thing additions all owner(s	arket the on to the own No tional is not and the end), and coal	through (4). il or gas based mer of the oil eeded. If the a	(See reverse side for upon a lease or other or gas in place white the second of the se	r specifics.) r continuing contract ch is not inherently hay use Affidavit Four	y related to the volum orm IV-60. y registered mail or de	gas. ng for flat well royalty or any see of oil or gas so extracted, livered by hand to the above ication to the Department of
	named coal or Mines at Char		est Virginia					and the second second second	
24)			est Virginia		ing the state of		Signed:	am it is	a ser ser
24) I	Mines at Char	leston, We	E	VELYN	KAY STEW		Signed: Mohn I Its: Region	1 It , Just 1. Burtnett nal Civil Enc	A ST SET
24) I	Mines at Char	leston, We	E	VELYN	pires Dece	/ART mber 8, 1986 DFFICE USE O	Its: John E	1 To July 1. Burthett and Civil Eng	Mar ser
24)	Mines at Char Notary: My Commission	leston, We	E	VELYN	pires Dece	mber 8, 1986	Its: NLY	1 To July 1. Burthett hal Civil Eng	A SET SET
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Peri	Mines at Char Notary: My Commission mit number s permit covering rements subject fer to No. 10) Pr	Expires My	operator aditions conconstruction	SSION EX	cation shown ein and on the locations and	below is evidence of reverse hereof. No pits for any permittitted work has com	NLY RMIT f permission grante tification must be ged work. In addition menced.)	d to drill in accordance diven to the District On, the well operator or	e ce with the pertinent legal re il and Gas Inspector.