



Date Jul	y 16,	1982	
Operator	S		

Sinte of Mest Virginia

Bepartment of Mines , Gil und Gas Bivision

Well	No	. As	shw	or	th	We	11	#	1
Fam	N	erocker tomber		·	*************				***************************************
ADT	No.	A-T	1000	01	7	9	Λ 7	na	

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

(If "Gas," Production X / Undergrour LOCATION: Elevation: 547.40 MSLWatershed Oh	•	e/ Deel)/ Sna.	llow/)
District: Kyle County Cabel		Quadrangle	Hunt.,	Oh.,WV.
COMPANY Delta-Mike, Inc.				T
ADDRESS P.O. Box 9172, Huntington, WV 25704	Caşing	Used in	Left	Cement fill up
DESIGNATED AGENT David Mangus	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O.Box 9172, Huntington, WV 25704	Size			
SURFACE OWNER R.W. Ashworth	20-16 Cond.			
ADDRESS 302 3rd.Ave.W., Huntington, WV25701	13-10"	20'	20 °	cement to surface
MINERAL RIGHTS OWNER R.W. Ashworth	9 5/8			٠
ADDRESS 302 3rd.Ave.W., Huntington, WV25701	8 5/8	250	250	cement to
OIL AND GAS INSPECTOR FOR THIS WORK Ken	7	1800°	1800'	cement to
Butcher ADDRESS Barboursville, W.V.	5 1/2			,
PERMIT ISSUED 4/8/82	4 1/2	3500"	3500°	cement to
DRILLING COMMENCED 6/7/82	3			
DRILLING COMPLETED 6/21/82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR RIWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Brallier Shale		Deg	oth 3574	feet
Depth of completed well 3574 feet	Rotary x	/ Cab	le Tools	
Water strata depth: Fresh 190 feet;				~
Coal seam depths: 540				e area? No
	•		,	
	D a	w zona đe	oth 2100-	-2400 feet
Producing formation Brailier Shale Gas: Initial open flow 0 Mcf/d	Oile Tr	itial ma	n flow no	one Bbl/d
Final open flow 50-000 Mcf/d				
Time of open flow between init				
Static rock pressure 390 lbs psig (surface				•
(If applicable due to multiple completion				
Second producing formation		ay zone de	epth.	feet
Gas: Initial open flow Mcf/d	a organización de la composition (establicado)		Commence of the Control of the Contr	Bbl/d
				Harris Constitution of the Landscape of the State of the
_	Olle ».			
Final open flow Mcf/d				
	tial and	final test	:S	hours

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

WELL LOG

	FORMATION	COLOR HARD OF	SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and ga
sand Shall Sha Shall Sha Sha Sha Sha Sha Sha Sha Sha Sha Sha	& Gravel e Sand e Sand e Sand e Sand E Sand Sand Sand Sand Sand Sand Sand Sand	Gray Black Gray White Gray White Gray White Gray White Gray hale Gray hale Gray Gray & Brown hale Gray Brown Gray Shale Gray & Brown Gray Ale Gray Red	soft soft soft hard soft hard hard hard hard hard soft soft soft soft soft soft soft soft	0 40 60 87 88 219 265 273 281 301 345 351 440 455 600 750 875 920 930 1020 1080 1250 1300 2475 2550 2700 2780 3000 3428	40 60 87 88 219 265 273 281 301 345 351 440 455 600 750 800 875 920 930 1020 1080 1250 1300 2475 2550 2700 2780 3000 3428 3580	water at 430°. lot of water 1010°. smelled gas at 1750°.
				\		

(Attach separate sheets as necessary)

Delta-Mike, Inc.

Well Operator

By: Variable Manger President

Date: July 16, 1982

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 that, encountered in the drilling of a well."

Signed by .





APR 12 1982

Oil and Gas Division

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

	TO THE DEPARTMENT OF MINES,	
	Charleston, W. Va.	DATEApril 8, 1982
	Surface Owner R W Ashworth	Company Dolta-Mike Inc.
		25704ddress P. O. Box 9172, Htgn., WVa. 25704
Ł	Mineral Owner Same	Farm Ashworth Acres
	Address Same	Location (waters) Chio River
	Coal Owner Same	Well No. 1 Elevation 547, 40
	Address Same	District Huntington County Cabell
	Coal Operator none	Quadrangle Huntington
	Address	Service Control of the Control of th
500 a 5 5 cts. 100 cm		
	RMIT MUST BE POSTED AT THE WELL SITE.	
ALL PR	OVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,	THERECHOR
ARTICL	E 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY	INSPECTOR TO BE NOTIFIED Ken Rutcher
APPRO	VED FORDrilling THIS PERMIT SHALL EXPIRE	
IF OPER	ATIONS HAVE NOT COMMENCED BY 12-14-82	ADDRESS RFD 1, Barboursville, W. Va. 25708
8Y -		PHONE 736-4885
ineconstruction	and the second s	
	GENTLEMEN:	
		the above named farm or tract of land for oil and gas, having fee
		se dated
		and recorded on the 26 day of Warch
	1982, in Cabell County, Book 245	Page Page
	NEW WELLDRILL DEEPER _	REDRILL FRACTURE OR STIMULATE
	QIL AND GAS WELL ORIGINALLY DRILI	LED BEFORE JUNE 5, 1969.
	1990	
	The enclosed plat was prepared by a registered enginee have been notified as of the above date.	er or licensed land surveyor and all coal owners and/or operators
		by notified that any objection they wish to make, or are required or filed with the Department of Mines within ten (10) days. *
	Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address _ same day with the mailing or delivery of this copy to the	by registered mail, or delivered to the above named coal operators day before, or on the Department of Mines at Charleston, West Virginia.
		Very truly yours,
	PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator
	WEST VIRGINIA GEOLOGICAL AND	
	Shall be the work of the state	dress Street
	r. U. BUX 5/9	of Operator Huntington
	MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	City or Town
		Grande All and an analysis and a second and
		State
	notice and plat by the department of mines, to said proposed locati	he Department of mines, within said period of ten days from the receipt of ion, the department shall forthwith issue to the well operator a permit reciting all operators or found thereto by the department and that the same is approved
		47-011-0709
		PERMIT NUMBER
	"I have read and understand the reclamation requirements as s Chapter 22, Article 4, Section 12-b and will carry out the specified rec	

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	OX DRILL	DEEPEN	FRACTURE-STI	MULATE		
DRILLING CONTRACTOR: (I	f Known)	RESPONSIBLE AGENT: NAME David Mangus				
NAME Interstate Drilling						
ADDRESS O. Box 85, Orch		ADDRESS P.O.	Box 9172, H	ign., WV 2570		
TELEPHONE 404-227-658		TELEPHONE 522	- 4558 (304)			
ESTIMATED DEPTH OF COMP		ROTARY X	CABLE TOO	LS		
PROPOSED GEOLOGICAL FOR		& Keefer Sand				
TYPE OF WELL: OIL	GAS X CO	OMB. STOR.	AGEDI	SPOSAL		
		NG WATER				
TENTE ATTIVE CACING DOCCO.			V - V - 1 4			
TENTATIVE CASING PROGRA	M:					
CASING AND TUBING	USED FOR	LIFTIN	CA BAT N			
SIZI:	DRILLING	WELL		T FHIL CP S - CUBIC FT.		
20 - 16				A CONTRACTOR OF THE CONTRACTOR		
13 - 10 9 - 5/8	20.	20°	Cement to	surface		
8 - 5/8	No. of the State o	And the second section of the section of		COLUMN TO THE CONTRACTOR OF THE COLUMN TO TH		
7	20'	250		*		
5 ½	1800'	1800	**	1500'		
4 1/2	3500 '		<u> </u>			
3		3344		_3000 *		
2			Perf. Top Perf. Bottom			
liners			Perf. Top	201 Brough		
			Perf. Bottom	4++42222		
		The second of the second secon				
APPROXIMATE FRESH WATER	DEPTHS 190 FEET	SAIT WATE	re SAM ere	E/D		
APPROXIMATE COAL DEPTHS	540		onFE	E. I		
	To the state of th	The second secon		*		
S COAL BEING MINED IN TH	AREA:	BY WHOM?	***************************************	The Committee of the Administration of the Committee of t		
O DRILL:			•			
SUBMIT FIVE (5) COPIES	OF OG - 1, \$100.00 PERMIT	FEE, PERFORMANCE	BOND AND PER	MANENT COPY		
OF PLAT.						
O DRILL DEEPER OR REDRII	LL:					
SUBMIT FIVE (5) COPIES	OF OG - 1, SHOWING ORIGIN	AL PERMIT NUMBER	AND PEDECEMAN	úce éan ar		
TOTAL DISTRIBUTION	TO TOZO, A PERMANENT COL	PY OF THE PLAT AND	D THE ORIGINAL	WELL RECORD		
MUST ALSO BE SUBMITTE	ED.	``````````````````````````````````````		WALL TEDOOLED		
O FRACTURE - STIMULATE:						
OIL AND/OR GAS WELL O	RIGINALLY DRILLED BEFORI	: EJHNE 5 1929 FIVE/	5) CODIEC OC. T			
The state of the s	AND ORIGINAL WELL RECO	RD.				
OIL AND/OR GAS WELL OI	RIGINALLY DRILLED ON AND	O/OR AFTER JUNE 5 1	929 FIVE COPIE	SOC 1 SHOW		
ING ORIGINAL PERMIT NU	MBER, AND PERFORMANCE B	OND.		5 OG - 1, 5110W-		
Required forms must be filed	d within ninety (90) days of cor	monletion for hand anti-	T			
four (24) hours in advance.		inpletion for bond releas	se. Inspector to be	notified twenty-		
		CHARGE TA SECURIAR MANY CHARGE SERVING MANY WINDOWS AGE THAN 1 - 1-77 1/2 1/20 1	And the second state of th	The state of the s		
FF71 0 11 1						
The following waiver must b	pe completed by the coal opera-	tor if the nermit is to b	re issued within to.	dave of		
The following waiver must be ereof.	pe completed by the coal opera	tor if the permit is to b	e issued within ter	days of receipt		
AIVER: I the undersigned, Ager	nt for	Coal Company, Owr	ner or Operator of			
AIVER: I the undersigned, Ager this lease have examine	nt fored and place on our mine maps	Coal Company, Owr	ner or Operator of	the coal under		
AIVER: I the undersigned, Ager this lease have examine We the	nt for on our mine maps Coal Company has	Coal Company, Owr this proposed well loove we no objections to said	ner or Operator of cation.	the coal under		
AIVER: I the undersigned, Ager this lease have examine We the	nt fored and place on our mine maps	Coal Company, Owr this proposed well loove we no objections to said	ner or Operator of cation.	the coal under		
AIVER: I the undersigned, Ages this lease have examine We the providing operator has c	nt for on our mine maps Coal Company has	Coal Company, Owr this proposed well loove we no objections to said	ner or Operator of cation.	the coal under		
AIVER: I the undersigned, Ages this lease have examine We the providing operator has c	nt for on our mine maps Coal Company has	Coal Company, Owr this proposed well loove we no objections to said	ner or Operator of cation.	the coal under		

Official Title