

Plot Card CSD

JUL 2 - 1082

OIL AND GAS DIVISION
WY DEPARTMENT OF MIN

IV-35 (Rev 8-81)

State of Mest Airginia Pepartment of Mines Gil and Gas Division

Date		7, 198	82		
Operato	or's				-
Well No	o. <u>1</u>	- 17	33 - I	J	
Farm_	George	Spur:	lock,	Jr.	- #1
ADT NO	17 - 1	711	= 060	7.4	_

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production x / Undergroup (Undergroup)	on/Wast	te Disposa ge/ Dee	l <u>/</u> p <u>x</u> /Sha	llow/)
LOCATION: Elevation: 598.93' Watershed	Left Fork	of Spurloc	k Creek	
District: Union County Cabe				
			- <u></u>	
COMPANY UNION DRILLING, INC. P. O. Drawer 40 ADDRESS Buckhannon, WV 26201				•
ADDRESS Buckhannon, WV 26201	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT UNION DRILLING, INC.	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P. D. Drawer 40 Buckhannon, WV 26201	Size			
SURFACE OWNER Mr. & Mrs. George Spurlock	20-16 Cond.	35'	35'	177 cf
ADDRESS Route #1, Box 94 Glenwood, WV 25520	13-10"			
MINERAL RIGHTS OWNER Same as Surface	9 5/8			
ADDRESS	8 5/8	2119.70	2119.70	100 cf
OIL AND GAS INSPECTOR FOR THIS WORK Kenneth	7		2113.70	100 C1
Butcher ADDRESS Barboursville, WW 25504	5 1/2			
PERMIT ISSUED 9/17/81	4 1/2	none	none	
DRILLING COMMENCED 10/25/81	3			
DRILLING COMPLETED 11/20/82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON Partial Plugging on 1½21/81				
GEOLOGICAL TARGET FORMATION Tuscarora		Dept	th5500	<u>feet</u>
Depth of completed well 4697 feet	Rotary x	/ Cable	e T∞ls_	
Water strata depth: Fresh 1195' feet;	Salt	feet		
Coal seam depths: None	Is coal	being mine	ed in the	area? No
OPEN FLOW DATA				
Producing formation Brown Shale	Pav	zone dept	Lh 3106	feet
Gas: Initial open flow show Mcf/d				
Final open flow 5 Mcf/d				
Time of open flow between init				
Static rock pressure 200 psig(surface		_		
(If applicable due to multiple completion		·		
Second producing formation		zone dept	t h	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface		_		
and the second s	Control of the Contro			
		Contin	Le on rei	verse side) ?

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

On 11-22-81 Basin Surveys shot 540' of Brown Shale with $5\frac{1}{2}$ " Judymite in the 7 7/8" hole. $2850^{\circ}/3394^{\circ}$

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
Red Clay	0 .	10	
Shale & Mud	10	15	Water at 70 ! 1:11
Sand and Shale	15	83	Water at 30' ½" Hole Damo at 635'
Red Rock and Shale	33	330	Water at 1195' 4'' to 5''
Sand and Shale	330	1147	"ater at 1195" 4" to 5"
Maxson	1147	1360	
Big Lime	1360	1408	
Shale	1408	1444	
Injun	1444	1520	
Sand and Shale	1520	2008	•
Berea	2008	2021	
Sand and Shale	2021	2852	
Brown Shale	2852	3104	
Marcellus Takes Magain (School Berlin)	3104	3403	
Onondaga	3403	3748	
Helderberg '	3748	4160	
Sand and Shale	4160	4520	
Clinton	4520	4553	
Sand and Shale	4553	TD 4697	Odor of gas
		en composition de la composition della compositi	
	-	9	

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

y: Jeseph (. fred

Date: Joseph C. Pettev, Vice President of Production

5/18/82

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 well, encountered in the drilling of a well."

Date: September 16, 1981

Operator's 1 - 1733 - U

Well No..

. 011 API Well No. 47 County State Permit

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

George Spurlock, Jr. #1 (1733)

0694

OIL AND GAS WELL PERMIT

WELL TYPE:	Oil/ Gas _X/			
	(If "Gas", Production X	Undergrou	nd storage	/ Deep/ Shallow <u>x</u> /)
LOCATION:	Elevation: 598.931	Watershed	: Left Fork o	f Spurlock Creek
	District: Union	County:	Cabell	Quadrangle: Glenwood
WELL OPERATO	DR UNION DRILLING, INC.		DESIGNATED A	AGENT UNION DRILLING, INC.
Address	P. O. Drawer 40		Address	P. O. Drawer 40
	Buckhannon, WV 26201	- Automobile - I State Control		Buckhannon, WV 26201
OIL & GAS ROYALTY OWN	(FEE SIMPLE TITLE) Wer Mr. & Mrs. George Spur	lock,et	alcoal operat	OR
Address	Route #1, Box 94		Address	
	Glenwood, WV 25520		· . 	
Acreage		A second	COAL OWNER	(S) WITH DECLARATION ON RECORD:
_	ER		Name	
Address			Address	RECEIVED
Acreage		***************************************	Name	SEP 1 7 1981
FIELD SALE (I			Address	OIL AND GAS DIVISION
	Not Determined at this time	e.		MADELVISION
			COAL LESSEE	WITH DECLARATION ON RECORD:
OIL & GAS INS	SPECTOR TO BE NOTIFIED		Name	
	h Butcher (736-4885)		Address _	
	RFD #1			
	Barboursville, WV 25504			
The undersigne	ed well operator is entitled to operate for o	il or gas pur	Cyclops Lease poses at the above le	# C-2-508 ocation under a deed/ leaseXX
0				vell operator from Mr. & Mrs. George
	Cyclops Corp. and assigned ase, or other contract has been recorde			
A Committee of the Comm				mission of <u>Cabell</u> County, West
West, in	Book <u>228</u> at page :	392 . A	permit is request	ed as follows:
PROPOSED W	ORK: Drill X / Drill deeper	/ Red	rill/ Frac	ture or stimulate X
	Plug off old formation	/ Perforate	new formation	/
	Other physical change in well (s	pecify)		
	planned as shown on the work	k order on	the reverse side he	ereof.
The above nam	ed coal operator, coal owner(s), and coal l	essee are he	reby notified that a	ny objection they wish to make or are required to
				lays after the receipt of this Application by the

Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMIS-

1615 WASHINGTON STREET EAST CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

CHANKET BOW

UNION DRILLING, INC.

Well Operatør

Its Joseph C. Pettey Vice President for

Production

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

		-				UNION DRII			
				bA ,			ver 40		
							n, WV 2620		
							-		
									ole tools/
								feet.	
Approxi	mate coal	l seam de	epths:		?	Is coal	being mined i	n the area? Yes	/ NoX
CASING AND	TUBIN(G PROG	RAM						
*			•						
CASING OR FUBING TYPE		CIFICATI	ONS Weight per ft	New	Used	FOOTAGE	NTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor	11 3/	111		х		300'	300	to surface	Kinds
Fresh Water	/								
Coal	Management of the second of th								Sizes
intermediate	8 5/8		23#	x		2000'	2000	to surface	
Production				$\frac{x}{x}$				400 sks. or	Depths set
Tubing	1 + 1/2		10.54	1			3100	as req. by rule 15.01	
Liners	<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	999.7 Vigak					1016 13.01	Perforations:
									Top Bottom
		 							TOP BULLOIN
				1					
previe Code	ously paid	i on the s	ame well					2-4-12b and Regulat	
A c				•	wate	r well or dwel	ling within 200	v) if applicable, the of feet of the propose	d well.
		Form Iv-2	shall not	be requ	wate	r well or dwel	ling within 200		ed well. or stimulating is to
be pa	of the v	Form Iv-2 : work for v	shall not l which a p	be requermit i	water uired f s soug	er well or dwel for fracturing of the and is noted	ling within 200	feet of the propose	ed well. or stimulating is to
be pa S PERMIT MU provisions be	urt of the v	Form Iv-2 : work for v	shall not lead to the which a possible AT THE	be requermit i	water water wired in sound water was sound with the sound water was a second water was a second water	er well or dwel	ling within 200	feet of the propose	ed well. or stimulating is to
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