

SEP 2 8 1982

OIL AND GAS DIVISION
WY DEPARTMENT OF MINES

IV-35 (Rev 8-81)

State of Mest Airginia Pepartment of Mines Gil und Cas Pivision

Date	Date August 26, 1982								
Operator's									
Well N	o. 1-162	23							
Farm	Teal Queen								
API No	.47 - 097	<b>-</b> 2444							

## WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas_x / Liquid Injection (If "Gas," Production_x / Undergrou	/ Wast nd Storag	e Disposal e/ Deep	L/ / Sha	llow <u>x</u>	<u>/</u> )
LOCATION: Elevation: 1563' Watershed Pe	cks Rim				
District: Warren County Upshu		Quadrangle	⊇ Centur	y	
					_
COMPANY Union Drilling, Inc.				/	
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Casing	Used in	Left	Cement fill u	
DESIGNATED AGENT Union Drilling, Inc.	Tubing	Drilling	in Well	Cu. f	
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Size				
SURFACE OWNER Teal & Oleva Queen	20-16 Cord.				
ADDRESS Rt.5, Box 308, Buckhannon, WV 26201	13-10"	30'	30'		
MINERAL RIGHTS OWNER Same as Surface Owner	9 5/8				
ADDRESS	8 5/8	1223.85'	1223.85'	355	
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7				
Stewart ADDRESS P.O.Box 345, Jane Lew, WV	5 1/2				
PERMIT ISSUED 05/05/82	4 1/2	4692.75'	4692.75'	158	
DRILLING COMMENCED 07/20/82	3				
DRILLING COMPLETED 07/27/82	2				
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used				
	<u>*                                      </u>	Pop	th <b>4300</b>	1677 <del>(</del>	-oot
GEOLOGICAL TARGET FORMATION Benson  Depth of completed well 4850 feet F	lotow: V	/ Cable		X 4032 I	.000
Water strata depth: Fresh 50' feet;		<del></del>	******		
				22022	no
Coal seam depths: 140'	is coar	perild im	ea mi uie	area:	
OPEN FLOW DATA			4639		
		zone dep			feet
Gas: Initial open flow Show Mcf/d					
Final open flow 332 Mcf/d					ol/d
Time of open flow between initi	ial and fi	inal tests	ho	urs	
Static rock pressurepsig(surface	e measure	ment) afte	rhou	rs shut	: in
(If applicable due to multiple completion-	)				
Second producing formation	Pay	y zone dep	th		feet
Gas: Initial open flow Mcf/d					
Final open flow Mcf/d	Oil: Fi	nal open f	low	Bb	ol/d
Time of open flow between init	ial and f	inal tests	hc	urs	
Static rock pressurepsig(surface	measurem	ent) after	hou	ırs shut	t in

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

Halliburton Foam Frac 08/03/82

4638/42 - Benson - 80,000# Sand - 275 bbls water - 930,000 scf Nitrogen

WELL LOG

• .	•••		. •
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil	0	5	•
Sand & Shale	5	140	
Coal	140	144	Coal @ 140-144'
Sand & Shale	144	1930	호'' Watger @ 50'
Big Lime	1930	2010	
Big Injun	2010	2072	
Sand & Shale	2072	2178	•
Weir	2178	2256	
Sand & Shale	2256	2684	
5th Sand	2684	2800	·
Sand & Shale	2800	4610	
Benson	4610	4632	
Sand & Shale	4632	4850 T.D.	_
•			
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			·
			·
•			
•			
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(Attach separate sheets as necessary)

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 of a well."

FORM IV-2 (Obverse) (08-78)

May 4 , 19 82

Operator's Well No. \_ 1 - 1623 REVISED LOCATION

API Well No. 47 - 097 2444

County State Permit

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

Teal Queen #1 (1623)

	OIL AND O	GAS WELL PERMIT	,
WELL TYPE:	Oil/ Gasx_/	· •	
	(If "Gas", Productionx_/ U		
LOCATION:	Elevation: 1563'	Watershed: Pecks Run	
	District: Warren	County: Upshur	Quadrangle:Century
WELL OPERATO	DR_UNION_DRILLING, INC.	DESIGNATED AGE	NT UNION DRILLING, INC.
Address	P. O. Drawer 40		P. O. Drawer 40
	Buckhannon, WV 26201	· · · · · · · · · · · · · · · · · · ·	Buckhannon, WV 26201
OIL & GAS ROYALTY OWN	ER Teal and Oleva Queen	COAL OPERATOR	
Address	Route #5, Box 308		
	Buckhannon, WV 26201		
Acreage	50	COAL OWNER(S) \	WITH DECLARATION ON RECORD:
	ER Teal and Oleva Queen	Name Bethlehe	em Stee1
Address	Route #5, Box 308		liday Plaza
11661055	Buckhannon, WV 26201	Bri	idgeport, WV 26330
Acreage	Datidation	Nama	
FIELD SALE (I			
•	ot Determined at this time		
			TH DECLARATION REPORTS TO
OIL & GAS INS	SPECTOR TO BE NOTIFIED	Name	
	Stewart (884-7782)	Address	MAY -5 1982
	P. O. Box 345		OIL AND GAS DIVISION WY DEPARTMENT OF MINES
	Jane Lew, WV 26378		
The undersions	ed well operator is entitled to operate for oil	UDI Lease #1559	ion under a deed/ lease X
_			operator from Teal ६ Oleva Queen
	Drilling, Inc.	oz, to the undersigned wen	operation from
	ase, or other contract has been recorded		sion of Unshur County West
37	an. 22 , 19 82 , in the office of		sion of county, west
<b>XXX 831</b> , in	D/G Book 65 at page 7	76 . A permit is requested a	as follows:
PROPOSED W	ORK: Drill X / Drill deeper	/ Redrill/ Fracture	or stimulate X /
	Plug off old formation/	Perforate new formation	/
	Other physical change in well (sp	ecify)	
	—planned as shown on the work	order on the reverse side hereof	f.
The above nam	ed coal operator, coal owner(s), and coal le	ssee are hereby notified that any o	bjection they wish to make or are required to
	•		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.

PLEAS	E SUBMI	T COPI	ES OF	ALL
GEOPH	IYSICAL	LOGS	DIKE	CILI
то:				
WEST	VIRGINI	A OIL	AND	GAS
	NSERVA			
SION				
1615 W	<b>ASHING</b>	TON ST	REET	EAST
	LESTON,			
TELEP	HONE: (	304) 34	8-3092	

UNION DRILLING, INC

Well Operator

Vice President of

Production

## PROPOSED WORK ORDER

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

DRILLING CO	ONTRAC	TOR (IF	KNOW	۸)	UNIC	ON DRILLIN	G, INC.		-	
		r		Ad	dress	P. O.	Drawer 40			
						Buckha	nnon, W_	26201	•	
GEOLOGICAI	L TARGE	T FOR	MATION	,	I	Benson				
							et Rotary	// Cab	le tools	· <b>/</b>
						? feet				·
								in the area? Yes	X / No	,
CASING AND						13 000	r being mined	in the area. Tes		
CASING AINL	) TOBING	TROG	ICAM							
								<del></del>		
CASING OR TUBING TYPE	SPE	Grade	ONS Weight per ft	New	Used	FOOTAGE For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
Conductor	11 3/	'4''		x		20 •	20'		Kinds	
Fresh Water			ļ							
Coal									Sizes	
intermediate	8 5/8'	•	20#	Х		* 008	800 !	to surface		
Production	4 1/2'		10½#	х			4300	400 sks. or	Depths set	
Tubing								as req. by		,
Liners								1010 10.01	Perforations:	
									Тор	Bottom
							<del> </del>		700	Bottom
				ļ						
"Rec previ Code A s be pa "HIS PERMIT A ALL PROVISIC	lamation ously paid \$22-4-8a separate F art of the v  AUST BE I  ONS BEIN THE W.	Plan", a lon the so from the source for very for	applicable ame well ne owner shall not leave which a possible of the control of t	to the for of any be requested to the format in the format	e recla ee reque y wate uired f s soug  SITE.  WITH	imation required by Code so well or dwell or dwell or fracturing of the and is noted CHAPTER 22, IS HEREBY	ed by Code \$ 22-4-12a, and lling within 200 r stimulating a las such on the	wed by Code § 22-4-2 22-4-12b and Regulati (v) if applicable, the co 0 feet of the proposed well where fracturing Form IV-2 filed in con	ion 23, (iv) unle onsent required l d well. or stimulating is	ss by to
			• • • • • • • • •	• • • • • •		•••••		•••••		• • • • • • • • • • • • • • •
The deck	following aration ur	waiver m ider Cod	ust be cor le 22-4-	mplete 20, if	ed by the	ne coal operato ermit is to be	r and by any co- issued within	al owner or coal lessee fifteen (15) days of r	who has recorde eceipt thereof.	d a
						WAI				
The undersign	ned has no	n a mine o objectio	on to the	work	cn cov	ers the area of	at this location	the coal under this von, the well location han, provided, the well s.	s heen added to	ho:
Date:			19				 By			