

TIGHT HOLE

IV-35 (Rev 8-81),



Department of Alines noieicit and Can litt

State of Mest Hirginia Well No._____ Farm_Vepco_Unit #1 API No. 47 - 023 - 0020

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL OPERATOR'S PEPORT

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

			<u>a cinvoc</u>	
WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Undergro	n/ Wast und Storag	e Disposa e/ Deep	l/ p_ <u>X</u> / Sha.	llow/)
LOCATION: Elevation: 3460 Watershed	Big Star	Run		
District: Union County G				d Knob
COMPANY EQUITABLE RESOURCES EXPLORATION, INC.				
ADDRESS P. O. Drawer 40, Buckhannon, WV 2620	Caşing	Used in	Left	Cement
DESIGNATED AGENT Douglas P. Terry	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201	Size			
SURFACE OWNER Virginia Electric & Pover Co.	20-16 Cond.	11'	0	
ADDRESS One James River Plaza, Richmond, VA 2321	9 13-10"		154,50	165.2
MINERAL RIGHTS OWNER same as surface	9 5/8		3502.29	
ADDRESS	8 5/8		3304.23	
OIL AND GAS INSPECTOR FOR THIS WORK Phillip	7			
P. O. Box 2536 ADDRESS Fikins, WV 26241	5 1/2	 		
PERMIT ISSUED 8/20/87	4.1/2		9886_59	
DRILLING COMMENCED 9/15/87	3			•
DRILLING COMPLETED 10/15/87				
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2 3/8"		9700	
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners			
ON	used			
GEOLOGICAL TARGET FORMATION Oriskany	S	Dept	th 9400	feet
Depth of completed well 9915 feet	Rotary :	/ Cable	e Tools	
Water strata depth: Fresh 39,98,180feet;	Salt 0	feet:		
Coal seam depths: 0	Is coal	being min	ed in the	area? no
OPEN FLOW DATA				***********
Producing formation	Pav	zone deni	th	Foot
Gas: Initial open flow Mcf/d	Oil: Ini	tial open	flow	Bh1 /3
Final open flow Mcf/d	Fin	al open f	low	Bh1 /d
Time of open flow between init	ial and fi	nal tests	hos	urs
Static rock pressurepsig(surface				
(If applicuole due to multiple completion				
			th	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d	Oil: Fin	al open f	low	Bb1 /d
Time of open flow between init				
Static rock pressurepsig(surface	measureme	nt) after		rs shut in
				verse side)
		10011001	we on rel	ierar žios)

0105 2833

3124 94

FORM IV-35 (REVERSE)

> per R. Drabash 4/4/94 Kla

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

TIGHT HOLE \$ 3H - 9784 - 9786 SH-9770-9775 14H-9779-9782 15H-9732-9738

Frac 10/28/87 Halliburton

Perforations: 9732-9786, Corriganville - 1500 gals. 15% Fe Acid

220,000 lbs. 20/40 sand

2/20/88 - Halliburton, Corriganville - 1000 gals. 5% Fe acid.

3/2/88 - Halliburton

Perforations: 9396-9476, Oriskany - 5% HCl 10,000 lbs. 80/100 sand

220,000 lbs. 20/40 sand

Baker R-3 Production Packer @ 9512', bottom Tbg. @ 9700'.

RTTS Packer @ 9754', left in hole (junk).



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL LOG

			•
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Mauch Chunk Groups Foreknobs Group Scherr Group Sycamore Harrell Shale Tully Horizon Upper Marcellus Purcell L.S. Lower Marcellus Tioga Metabentonite Needmore Shale Oriskany S.S. helderberg Mandata Shale Corriganville L.S. New Creek L.S. Keyser L.S.	surface 3496 5337 7442 8251 8644 9012 9039 9107 9154 9170 9286 9486 9712 9727 9795 9832	5337 7471 8644 8649 9039 9107 9154 9170 9286 9486 9712 9727 9795 9832 9915 T.D.	1/2" Stream of wtr. @ 39' 3/4" stream of wtr. @ 98' 1/2" stream of wtr. @ 180' Gas Check @ 2500' no show

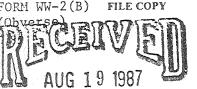
(Attach separate sheets as necessary)

EQUITABLE RESOURCES EXPLORATION, INC

TERRY

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 with, encountered in the drilling of a well."





- To Be Held Confidential -

1)	Date: Au	<u>gust</u>	11	. 19_	8/
	0	2565			
3)	API Well No.	47	-023-0020		
٠,		State	County	1	Permit

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

	IVISION C			,DEP.			Ť	L AND GAS DIVI	SION		
4)	WELL TYP					<u>\</u> /			V		
		В (If "Gas",	Production			Underground	Big Star Ru	/ DeepA	/ Shallow/)	
5)	LOCATION			3460		7		Grant 23	<u>.</u>	Blackbird Knob <i>255</i>	
		Di	strict:	Union Drilli		Incong.	County:		AGENT Joseph	C. Pettev	
6)		RATOR.	Doct O	ffice	J202-16	m 10	<u>50550</u>	•	Post O	Efice Drawer 40	
	Address					26201	**************************************	Address		mon, WV 26201	
				nnon, I		<u> </u>	 	ov positistic co		mon, nv zozoz	
8)	OIL & GAS							9) DRILLING CO		Orilling, Inc.	
	Name			p Trac				Name Address		Rex Drawer 40	
	Address			Box 25.		1	-	Address		non, WV 26201	
				•						5	
10)	PROPOSEI	D WELL	WORK:			_/ Drill	deeper	/ Redrill	/ Stimulate		
				Plug of	f old f	ormation	/ Perfo	orate new formation			
				Other pl	nysical	change in w	ell (specify)				
11)	GEOLOGI	CALTAF	GET FOR	MATION,		riskany					
	12) Estima	ted depth	of complet	ied well,	9,	400	fee				
	13) Approx	ximate tra	ta depths:	Fresh,				llt,			
	14) Approx	kimate co	al seam dep	oths:			Is c	coal being mined in the	e area? Yes	/ No/	
15)	CASING A	ND TUB	ING PRO	GRAM							
	ASING OR		SPEC	CIFICATIONS	i		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS	PACKERS	
TL	JBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
Con	ductor									Kinds	
	h water							1			
Coa			1							Sizes	
	rmediate	0 5/0	N-80	36840	X		2500	2500	as required		
		11	N-80	17	X		9400	9400	to surface	Depths set	
	duction	3 1/2	.HI-00	1-/			3400	3400	1 W SULLAND		
Tub	~		†							Perforations:	
Line	213		1			1				Top Bottom	
			+	-		1					
				-							
		<u> </u>				1			Ш	U	
							EDIOD HOE	CALLE			
						·····	FFICE USE				
						D.	RILLING P	EKMII			
D		47-0	23-002	20					August 20	19 87	
Per	mit number_								Dat	e	
qui	rements subje	ct to the	conditions	contained	herein ins and	and on the r	elow is evidence everse hereof permitted work k has commen	lotification must be gi	ed to drill in accordan iven to the District Oil vell operator or his con	ce with the pertinent legal re- and Gas Inspector, (Refer to tractor shall notify the proper	
	e permitted w erse hereof.				e and	Application,				nd conditions specified on the	
Per	mit expires _	Augu	ıst 20,	1989			unless w	ell work is commence	d prior to that date and	prosecuted with due diligence.	
							Q			•	
,	Bond:	Agen	t:]	别	CAS	A Da	The American	A FI	Other		
L	ATT. #/			mit mostad	at the	drilling local	ion	John W.	Thustonby	Margaret H	
NU	TE: Keep o	ше сору (or uns peri	ini posted	at the t	arming iocal	//	Director, Di	vision of Oi/1	and Gas File	
					• • •	. C 41 A EVENE	TO LANTO CO	DV for instructions	the well operator.		