

WR-35



State of Mest Nirginia

DEPARTMENT OF ENERGY
Oil and Gas Bivision

Date JUNE 30, 1987 Operator's Well No. #2-A
Farm L. E. RICHARDS
API No.47 - 085 - 4935

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

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

WELL TYPE: Oil $\chi\chi$ / Gas $\chi\chi$ / Liquid Injection (If "Gas," Production $\chi\chi$ / Underground	n/ Wast und Storag	ce Disposal ge/ Deep	L/ p/ Sha	llow_XX_/)
OCATION: Elevation: 950' Watershed OTT	ERSLIDE CR	EEK		
District: UNION County RITCH	IE	Quadrangle	PULLMA	N 7.5'
				1
COMPANY G.W.F. CORPORATION				Cement
ADDRESS 6172 BUSCH BLVD. SU 3003 COLUMBUS.OH 4322	9 Casing	Used in	Left	fill up
DESIGNATED AGENT BILL KNIGHT	Tubing	Drilling	in Well	Cu. ft.
ADDRESSRT. #1, BOX 44C, BURNSVILLE, WV 26335	Size			
SURFACE OWNER L. E. RICHARDS	20-16 Cond.			
ADDRESSRT. #1,BOX 71,BEREA, WV 26327	13-10"			
MINERAL RIGHTS OWNERL.E. OR THELMA RICHARDS	9 5/8			
ADDRESSRT. #1,80X 71,BEREA,WV 26327	8 5/8	429'	429'	50 sks.
OIL AND GAS INSPECTOR FOR THIS WORK SAM	7			:
HERSHMAN ADDRESS PO BOX 66. SMITHVILLE, WV 26178	5 1/2			
PERMIT ISSUED 9/30/80 20170	4 1/2		2030'	60 sks.
DRILLING COMMENCED 10/27/80	3			
DRILLING COMPLETED 10/31/80	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	Liners			·
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	used			
CN			<u></u>	1
GEOLOGICAL TARGET FORMATION INJUN		Dep	th_1937_	1972 feet
	Rotary XX	/ Cabl	e Tools_	
	Salt	feet	-	
Coal seam depths:	Is coal	being min	ed in the	e area? <u>NO</u>
OPEN FLOW DATA				
Producing formation INJUN	Pa	v zone dep	oth 1037_1	o72 feet
Gas: Initial open flow 5 Mcf/d				
		inal open f		
Time of open flow between init			_	
Static rock pressure 660 psig(surface				
(If applicable due to multiple completion		·		
Second producing formation		av zone der	oth	feet
Gas: Initial open flow Mcf/d	Oil: I	itial oper	n flow	Bb1/c
Final open flow Mcf/d				
Time of open flow between ini				
Static rock pressurepsig(surface				
Contract productions		•	A	UG n 3 1987

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

INJUN FRACED W/540 BBLS WATER, 30 M# SAND, BREAKDOWN 2100 PSI., TREATED 1800 PSI. SHUT IN 1600 PSI.PERFED 1937-1972



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL LOG

			R	EMARKS	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including in	dication	of all fresh
			and salt water	er, coal	, oil and gas
SAND	430	449			
RED ROCK	449	462			
SLATE	462	472			1
RED ROCK	472	523			•
SAND	523	535			
RED ROCK	535	547			
SAND	547	574			
SLATE	574	620			
RED ROCK	620	637			
SAND	637	660			
SAND & SLATE	660	665			
RED ROCK	665	680			
SAND	680	692			
RED ROCK	692	740			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
SLATE	740	849			
RED ROCK	849	950		•	. '
SHALE	950	1000			
SAND	1000	1029			
RED ROCK	1029	1048	Ī		
SAND	1048	1110	ł		
SLATE	1110	1141			
SAND	1141	1176			1
SLATE	1176	1196			* 1
RED ROCK	1196	1235	Į.		
SAND	1235	1265			
SLATE	1265	1350			
SAND	1350	1429	1		
SLATE	1429	1483			
SAND	1483	1525			1
SLATE	1525	1607			1
SAND	1607	1640	ĺ		
SHALE	1640	1722			
SAND	1722	1752			1 2
SHALE	1752	1815	·		
SAND	1815	1825			
SLATE SAND	1825	1834			
LIME	1834	1850	i		5 - C
	1850	1937	000 0000		
SAND IN ON SHALE	1937	1972	0&G SHOW)	
SINEL			as necessary)	•	
	1972	2030 T.D.			

CORPORATION Operator Date:

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 enal, encountered in the drilling of a well."





DEPARTMENT OF MINES

Oil and Gas Division Of AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	95.44	ma Sonta	amber 11 10	nge nge	
	DAT		ember 11, 19		
Surface Owner L. E. Richards	Con	npany_G.W.F	. Corporat	ıon	
Address	Add			., Columbus,	
Mineral Owner L. E. Richards	Farr	n L. E.	Richards	Acres5	6 A
Address	Loca	ation (waters)			
Coal Owner L. E. Richards	Well	No. 2-A		Elevation_	77
Address		11 2		County_R	
Mono		drangle Pulln			
AAA THE WELL SITE					
irrons being in accordance with Chapter 22, W. Va. Code, the location is hereby approved					
illing . This permit shall expire if	INSPECT TO BE 1	TOR NOTIFIED _	Paul Goodr	night	
La Company	ADDRESS	5			
uty Director - Oil & Gas Division	PHONE	477–3660			
GENTLEMEN:					
	a dum				
The undersigned well operator is entitled to	o arm upon the above	named farm (or tract of land	for oil and gas,	havi
title thereto, (or as the case may be) under g	rant or lease dated		19	by \(\frac{1}{2} 1	14/3
B.A. DRILCO made to G.W.F. Corp	poracton	and recorded	on the	day of	
·		4.0		day or -	
19, in BITCHIE County, Boo	ok _ <i>/30</i> Pag	ge <i>349</i>		day or _	
19, in County, Boo	ok	ge <i>349</i>	•		
19, in	DEEPERPag	e <i>349</i> REDRILL _	FRAC		
19 in County, Boo	DEEPER	re 349 REDRILL _ RE JUNE 5,	FRA(CTURE OR STIM	ИUL
19, in	DEEPER	re 349 REDRILL _ RE JUNE 5,	FRA(CTURE OR STIM	ИUL
NEW WELL DRILL OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a registe	DEEPERPag LLY DRILLED BEFORE ered engineer or license for are hereby notified	REDRILL _ RE JUNE 5, ed land survey	FRA(1969. yor and all coa	TURE OR STIM	AUL oper
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THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	DRILL	DEEPENFRACTURE-STIMULATE				
DRILLING CONTRACTOR: (If I	(nown)	RESPONSIBLE AGENT:				
AME		ADDRESS 824 Lakeview Dr., Parkersburg, W.				
DDRESS						
ELEPHONE		TELEPHONE 422-6891				
STIMATED DEPTH OF COMPLE	TED WELL: 2100'					
ROPOSED GEOLOGICAL FORM	ation: <u>Injun</u>					
YPE OF WELL: OIL	GAS	COMB. X STORAGE	DISPOSAL			
,			OOD OTHER			
ENTATIVE CASING PROGRAM:						
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.			
- 16						
- 10						
· 5/8						
- 5/8	200'	200'	Surface			
/2						
1/2		2100'	50 SKS.			
i i			Perf. Top			
			Perf. Bottom Perf. Top			
ł			Perf. Bottom			
PROXIMATE FRESH WATER D PROXIMATE COAL DEPTHS	an visited production on the control of the control	,				
COAL BEING MINED IN THE	AREA!	BY WHOM?				
DRILL: SUBMIT FIVE (5) COPIES O OF PLAT. DRILL DEEPER OR REDRILL:		IT FEE, PERFORMANCE BO	OND AND PERMANENT COPY			
SUBMIT FIVE (5) COPIES OF	OG - 1, SHOWING ORIG 1929, A PERMANENT C	INAL PERMIT NUMBER ANI OPY OF THE PLAT AND T	O PERFORMANCE BOND. ON HE ORIGINAL WELL RECORD			
FRACTURE - STIMULATE:						
OIL AND/OR GAS WELL ORI BOND, PERMANENT PLAT A	GINALLY DRILLED BEFO	ORE JUNE 5, 1929, FIVE (5) C	OPIES OG - 1, PERFORMANCE			
OIL AND/OR GAS WELL ORIGING ORIGINAL PERMIT NUMI	GINALLY DRILLED ON A	ND/OR AFTER JUNE 5 1929	, FIVE COPIES OG - 1, SHOW-			
. [Inspector to be notified twenty-			
The following waiver must be reof.						
IVER: I the undersigned, Agent this lease have examined	for and place on our mine m	Coal Company, Owner caps this proposed well location	or Operator of the coal under			
We theproviding operator has con Code.	Coal Company nplied with all rules and regi	ulations in Articles 4, 5, and 7,	l being drilled at this location, Chapter 22 of the West Virginia			

Official Title