TRASCO. PD- Shale

ADDRESS.

CHARLESTON CHARLESTON, W. VA - fall well

WELL OPERATOR DEVON ENER CORPDESIGNATED AGENT_

WVA

P.O. BOX 1433

ESTIMATED DEPTH 4425

ADDRESS.

ARTHUR C. YOUSE

P.O. BOX 1433

9900



MAR 26 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES



State of Mest Airginia Bepartment of Mines noieicie end bnu lid

Date	January 15, 1982	
Operat	or's o. #1001	-
	N. G. Carder	
API No	. 47 - 035 - 1611	_

WELL OPERATOR'S REPORT

OF FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Inject: (If "Gas," Production X / Undergr	ion_/Wast	te Disposa ge/ Deep	L/ p/ Sha	llow_X_/)
LOCATION: Elevation: 651.57 Watershed	Skull Run o	of Ohio Riv	er	
District: Grant County Ja	ickson	Quadrangle	Pond (Creek 7-1/2
	•	•		
COMPANY DEVON ENERGY CORPORATION				
ADDRESS Box 1433, Charleston, W. Va. 25325	Caşing	Used in	Left	Cement fill up
DESIGNATED AGENT Arthur C. Youse	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Box 1433, Charleston, W. Va. 25325	Size			
SURFACE OWNER Nathan G. Carder	20-16 Cond.			
ADDRESS Murraysville, W. Va. 26153	. AP3×-10"	257	257	To surface
MINERAL RIGHTS OWNER Same as above	9 5/8			
ADDRESS	8 5/8			
OII; AND GAS INSPECTOR FOR THIS WORK Richard	7	1708	742	630 feet
Morris ADDRESS Grantsville, W. Va.	5 1/2	1,700	7.47	COSO TEET
PERMIT ISSUED September 25, 1981	4 1/2		4418	1286 feet
DRILLING COMMENCED October 28, 1981	3			1200 1000
DRILLING COMPLETED November 3, 1981	2	·		
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Oriskany S	Sand	Dep	th <u>442</u>	5 feet
Depth of completed well 4456 feet	Rotary X	Cable	e T∞ls_	
Water strata depth: Freshfeet	; Salt	feet		
Coal seam depths: None reported	Is coal	being min	ed in the	area? No
OPEN FLOW DATA	•			
Producing formation Devonian Brown Sha	ile Pa	v zone dep	th 3465-3	650 fe et
Gas: Initial open flow 26 Mcf/d				*****
Final open flow 103 Mcf/d	Works.			
Time of open flow between in				
Static rock pressure 725 psig(surf		•		
(If applicable due to multiple completi		•		~ 51.4C 131
Second producing formation		v zone dep	th	feet
Cas: Initial open flow Ncf/d				
Final open flow Mcf/d				
Time of open flow between in				
Static rock pressure psig(surfa				•
- Zoon prosoure			a	ort 1982 everyste sidel

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Perforated 4-1/2" casing 3465 to 3650 with 24 shots.

Fractured Brown Shale with 382 bbls. water, 85,000# sand and 714,000 SCF nitrogen.

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
Shale Sand Shale Big Lime Shale Coffee Shale Berea Horizon Gray Shale Brown Shale Gray Shale Gray Shale Marcellus Shale Onondaga L. S. Oriskany Sand Helderberg L. S. Log Total Depth	0 104 265 346 412 480 523 586 606 823 850 920 965 1063 1120 1158 1183 1512 1578 2012 2029 3176 3661 4038 4210 4313 4321	104 265 346 412 480 523 586 606 823 850 920 965 1063 1120 1158 1183 1512 1578 2012 2029 2029 3176 3661 4038 4210 4313 4321 4456 4456	

(Attach separate sheets as necessary)

	DEVON ENERGY CORPORATION	
Well	. Operator	
By:	A. C. Hause	
	A. C. Youse, Area Expl. Mgr.	
Date:	January 15, 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 weal, encountered in the drilling of a well."

ORM 1V-2 Obverse) 07-81)

SION 15 WASHINGTON STREET EAST HARLESTON, WV 25311

EPHONE: (304) 348-3092

CARCE BOAD



API #47 -	35_ 1011	۸
WEIL NO.	1001	

N. G. Carder

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

DATE 9/3 , 19<u>81</u>

OIL AND GAS WE	ELL PERMIT
VELL TYPE: Oil/ GasX/	
(If "Gas", Production X / Undergro	ound storage/ Deep X / Shallow/)
OCATION: Elevation: 651.57 Watersh	ned: Skull Run of Ohio River
District: Grant County	: Jackson Quadrangle: Pond Creek
VELL OPERATOR DEVON ENERGY CORPORATION	DESIGNATED AGENT Arthur C. Youse
Address P. O. Box 1433	Address P. O. Box 1433
Charleston, W. Va. 25325	Charleston, W. Va. 25325
OIL & GAS ROYALTY OWNER Nathan G. Carder	COAL OPERATOR Not Operated
Address Murraysville, WV 26153	Address
250 agras	
Acreage 250 acres	COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Same as above	Name
Address	Address
	KECELVED
Acreage	Name
FIELD SALE (IF MADE) TO: Not Contracted	Address
Address	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
	COAL LESSEE WITH DECLARATION ON RECORD:
OIL & GAS INSPECTOR TO BE NOTIFIED	Name
iame Richard J. Morris	Address
Address p. O. Box 372	
Grantsville, W. Va. 26147	
Phone 354-7259 The undersigned well operator is entitled to operate for oil or gas pu	
ther contract/ dated	to the undersigned well operator from Nathan G. Carder, et
F said deed, lease, or other contract has been recorded:)	
ecorded on, 19, in the office of the Cler	ck of the County Commission of Jackson County, West
Vest, in <u>Lease</u> Book 150 at page 343.	A permit is requested as follows:
PROPOSED WORK: Drill X / Drill deeper/ Re	
Plug off old formation/ Perforat	
Other physical change in well (specify)	
	About the state of
—planned as shown on the work order on	
	nereby notified that any objection they wish to make or are required to
take by Code \$22-4-3 must be filed with the Department of Mines	within fifteen (15) days after the receipt of this Application by the
epartment.	
	tion plan have been mailed by registered mail or delivered by hand to
	before the day of the mailing or delivery of this Permit Application to
e Department of Mines at Charleston, West Virginia.	
LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY	DEVON ENERGY CORPORATION
	A Well Operator
VEST VIRGINIA OIL AND GAS	A C Harrison
CONSERVATION COMMIS-	By St. Company

ORM 1V-2 Raverse) 03-78)

PROPOSED WORL ORDER

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

RILLING CO	ONTRAC	TOR (IF	KNOW	M)		Clint H	urt & Asso	-		
				Ad	dress _	PO Box	388	ini y kanji kanji na mana mana mana kanji kanji na kanji na maja na pana na pana kanji na kanji na kanji na ka		
					_	Elkview	, W. Va. 2	5071		
EOLOGICAI	L TARGE	T FORM	ATION	,		Oriskan	y Sand	-		•
Estimate	d depth	of comp	leted we	11,	4425	fee	et Rotary	X/ Ca	ole tools/	
							; salt,			
									/ NoX	ï
ASING AND		•		una en		anna Allanda (Allanda para) ya garafa ka				• •
SING OR		CIFICATI Grade	ONS Weight per ft	New	Used	FOOTAGE For drilling	INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	1.13
nductor									Kinds	alandary megamia
sh Water	9-5/8			X		250	250	125 sax	to surface	
) I.								-	Sizas	
rmediate	7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		X		1675	750	75 sax	= 650 feet	
duction	4-1/2			X		2070	4425	225 sax	Depths set 2400 feet	-
oling		:	10.00	†		1 day 2 da 1 da				
ers	2-3/8			X			4325	The second secon	Perforations:	***************************************
								~ ~ ~	Top Botton	1
				 						
previ Code	ously paid \$22-4-8a	on the s	ame well e owner	, the fe	ee requ y watei	ired by Code § well or dwel	22-4-12a, and (ling within 200	2-4-12b and Regula v) if applicable, the confect of the proposed well where fracturing	consent required by ed well.	
								Form IV-2 filed in co		
PERMIT A	ALIST RE	PASTED	AT TH	E VA/EI	I SIYE	:				
								•		
provisions i ie W. Va.								- One - Control - Control		
drilli	ng	. This	permit s							
ations have	not comp	nenced b	5-25	-82	2	Į.				
Jres.	446	کید	Sol	40)					
Pepuly Dire	ctor - Oil i	& Gas U	ivision							
The	following aration un	waiver m	ust be co	mplete	ed by th	e coal operator	r and by any coa	l owner or coal lesse lifteen (15) days of	e who has recorded a receipt thereof.	<i>σ</i> e
						War	v r r			
The untere	ioned coal	Otherote:		1 000	nar			the med and the		
oposea weji ie undersigi	ned has no	II a mine o objectio	map exist on to the	sts whi work	ch cove propos	ers the area of	the well location at this location	n, the well location h	well location has examine as been added to the mine operator has complied w	man
	•			8			6 - 6			th al
				8						th al