

J Energy State of West Virginia DEPARTMENT OF ENERGY GOV 2 1 90 Division of Oil and Gas

Oil and Gas Section Well Operator's Report of Well Work

Farm came: I. V. CUNNINGHAM Operator Well No.: KATE SCOTT #2 LOCATION: Elevation: 952.69 Quadranale: CHARLESTON EAST District: MALDEN County: KANAWHA Latitude: 0 FEET SOUTH OF 38 Fies. 0 MIN. 0. SEC.

Lonsitude 8675 FEET WEST OF 81 Deg. 30 MIN. 0 SEC. Company: PENNZOIL PRODUCTS COMPANY | Tubins | Drillins | in Well|Cu. Ft.| Adent: JAMES A. CREWS l Size Inspector: CARLOS W. HIVELY
Permit Issued: 11-3-87 (See original well record.)
Well work Commenced: 11-25-87 Verbal Plussins | Permission sranted on: Rotary____ Cable _X Ris | | Total Depth (feet) ____ 4909 Salt water depths (ft) 670. OPEN FLOW DATA Producing formation_Big_Injun/Oriskany_____Fay zone derth (ft)_1543-4888 Gas: Initial open flow_____Bbl/d Final open flow ______Bbl/d Time of open flow between initial and final tests____Hours Static rock Pressure____137__psid (surface pressure) after __72__Hours Second producing formation_____ Pay zone depth (ft)_____ Gas: Initial open flow_____Bbl/d Final open flow _____Bbl/d Time of open flow between initial and final tests_____Hours Static rock Pressure______Bsid (surface pressure) after _____Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

> For: PENNZOIL PROPURTS COMPANY / 21 7990; Timothy P. Roush Date: November 119, 1990

Perforated: 1543-1566 (15 holes)

Fractured: Big Injun - 540 Bbls. gelled KC1 water,

30,000# 20/40 sand

6399

OIL OR GAS WELL

Commerce Blacompany Pittsburgh, Pa.Address

COMPLETION DATA SHEET No. 2

WELL NO ..

FARM Kate C. Scott

FORMATION RECORD SHEET NO. 1.

Name	Color	Character	Oil, Gas or Water	Тор	Bottom	Thickness	Total Depțh	Remarks
Clay Lime & Shell Sand Lime Coal Lime Sand Lime Coal Lime & Shell Sand Slate & Lime Lime Salt Sand Slate & Lime Lime Salt Sand Maxon Sand Little Lime Slate Lime Pencil Cave Big Lime Reener Sand Big Injun Slate & Shell		51	Water Water Ow of Gas	14 105 165 298 300 330 365 388 390 490 520 570 600 620 640 1035 1115 1220 1258 1310 1351 1353 1356 1361 1366 1530 1500 1600 1700 2000 2250 2400 2570 2615 3100 3175	14 105 165 290 365 380 390 570 620 570 620 640 1035 670 1220 1351 1353 1356 1351 1353 1356 1353 1356 1530 1545 1545 1545 1545 1545 1545 1545 154	25/10		rs per Hr Hole full

shot Well was not shot	t	
Salt Fresh water at	saltfeet; fresh water atfeet.	
producing Well was dry	hole.	
	Date Owner	

NOTES All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

- SOUTH PENN OIL

Chamber of Commerce Bldg.

Fittsburgh, Fa. Address

COMPLETION DATA SHEET

No. 2

WELL No. 2

FARM Tate C. Scott

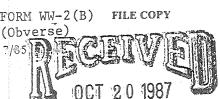
FORMATION RECORD

***			SHET NO.					. 2.		
Name	Color	Character	Oil, Gas or Water	Тор	Bottom	Thickness	Total Depțh	Remarks		
Lime & She Brown Slate & She Brown Shallime & She Gray Slate Brown Shall Black Slate Corniferor Oriskany	te 11s 1e 11s 1 le te		Cas Cas Cas Cas	3225 3450 3775 3827 3847 3875 4310 4757 4791 4888	3450 3775 3827 3847 3875 4310 4757 4791 4888 4899 4892 4893 4894 4895 4899 4909	17 6 / 7 0 - 3	1-9-0-	e 400,000 e 700,000 e 1,108,800 e 1,247,400 e 1,350,000		
Total :	Depth .		entre de la constanta de la co		CONCENSION OF THE PROPERTY OF		4909			
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			Control of the Contro		National Actions in the Action	Continue con		·		

well was hot shot	at 4892*-4906	,-200t. fær, well	was shot at	feet.
Salt Fresh water at	670	salt feet; fresh wa	ter at	feet.
well was	hole.		SOUTH PENN OIL O	MPANY,
	Date	Approved By	Stou Olse	uland Dept.

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.







1)	Date: Oct	ober 1	L 4	, 19	87	
2)	Operator's Well No.	Kate	Scott	No.	2	
3)	API Well No.	47	039	0	200	-FRAC
٠,	711 7 ((011 1:0)	State	County		Permit	-

STATE OF WEST VIRGINIA

	DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
& GAS	APPLICATION FOR A WELL WORK PERMIT

DIVISK	DN OF O	IIL&GA YF FINER	S SY	AP	PLICATION	ON FOR A WELL	WORK PERMIT			
4) WELLTY	DE V U	iej Vi remi diemi k	/ Ga	, X	. ,					
4) WELLII	re: A. O	f"Gas" F	Production	. X		/ Underground sto	orage	_/ Deep	_/ Shallow	X /
5) LOCATIO	•	vation:		2.69	}	Watershed:	Coal Fo	rk		284
3) LOCATIO	IV. Die	strict: Ma				County; K	anawha 🕖	<u> </u>	Charlesto	<u>n Eas</u> t
6) WELL OP						J 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		AGENT Jame		
	∇C	Box	5519			Ship and a second second	Address	PO Box 5	519	
Address	Vi	enna.	WV 2	6105	5-5519		•		WV 26105-5	519
8) OIL & GA						9) DRILLING CO	NTRACTOR:		
Name	00.707	os Hi	velv				Name			
Name	2	23 Pi	nch R	idae	e Road	•	Address	-		
Addres		lkvie			25071					
							/ Pedrill	/ Stimulate	Χ ,	
0) PROPOSE	ED WELL	WORK:	Drill		_/ Driii	/ Perfora				
			Other p	hysical	change in	well (specify)			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
11) GEOLOG	ICAL TAR	GET FOR	MATION	,	319 11	i juii				~
12) Estim	ated depth	of complet	ed well,	4,3	709	feet	C70 C07			
13) Appro	oximate tra	ta depths:	Fresh.				670,697			,
14) Appro	oximate coa	al seam dep	ths:			Is coa	l being mined in the	area? Yes	/ No	
15) CASING										
CASING OR	II		CIFICATION	s		FOOTAGE IN	TERVALS	CEMENT FILL-UP	PACKERS	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
	3120	Grace	m	1					Kinds	
Conductor	10	 	 	 		420	420			
Fresh water	10	 	1		1	320			Sizes	
Coal	 	 	-	-		1 202	1,393			
Intermediate	81/4	-	 	 		1,393		*	Depths set	
Production	<u> </u>	ļ	-	 	 	4,841	4,841	1	Deptilis sec	
Tubing			ļ		 		*			
Liners			ļ	1	1			-	Perforations:	_
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		_ 4				₩ T.7.	11 comont	1800-1400		
						LW ^	TI Cement	1000-1400		
					(OFFICE USE O	NLY			
					1	DRILLING PE	RMIT			
		/ 7 A A A A	0000	יי א מדכו	-			Novembe	r 3	₁₉ 87
Permit number		47-039-	-0200-	rkac						17
									ate	
This permit co	vering the	well operat	or and we	ell locat	ion shown	below is evidence	of permission grant	ed to drill in accord	ance with the pertin	ent legal re-
quirements sub	ject to the	conditions	contained	l herein	and on the	reverse hereof Not	ification must be gi	iven to the District O vell operator or his co	il and Gas Inspector	r, (Refer to
io. 8) Prior to t	he constru	ction of ro	ads, locat	ions and	l pits for a	ny permitted work.	in addition, the v	ven operator or ms co	Jilliactor shan noth	j the proper
district oil and	gas inspec	tor 24 hour	rs before	actual p	erinnted w	ork has commence		11.61		aified on the
The permitted	work is as	described i	n the Not	ice and	Application	n, plat, and reclams	ation plan, subject	to any modifications	and conditions spec	zified on the
reverse hereof.			mber 3							
Permit expires	/	MOVE	mber 7	3 17		unless well	work is commence	d prior to that date ar	ia prosecutea with a	de dingence.
/		/				Α				
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NOTE: Keep	one conv	of this peri	mit postec	at the	drilling loc	ation. D	irector, Di	visionologi	l and Gas	File
Trouble Broch	copy	p-u		-	-	D.	عدد وعادات تحويد			2116

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.