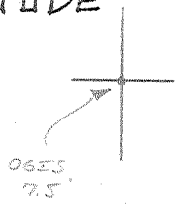


LATITUDE

(15') 38° 20'
(7.5') 38° 17' 30"



(75' 15") 81° 30'

LONGITUDE

7'5 OGIS topo location

7.5' loc	<u>.218</u>	15' loc	<u>3.098</u>
	<u>.81 w</u>	(calc.)	<u>.81 w</u>

Company South Penn Oil

Farm Kate C. Scott 3

Quad Charleston East 15' / Charleston 15' SE

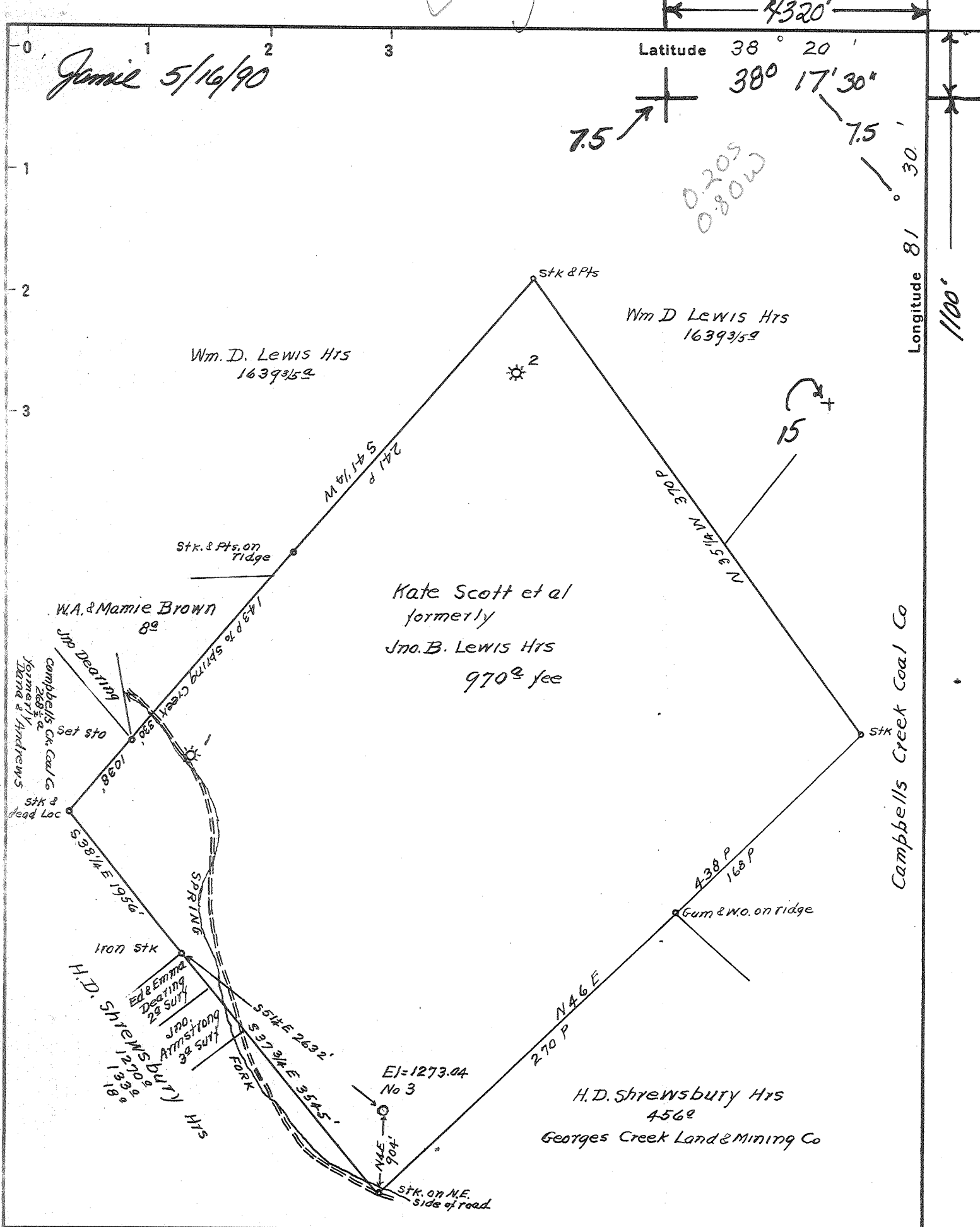
County Kanawha

District Malden

WELL LOCATION MAP

File No. 039-247

6-6 Campbell Ck. Malden (214)



Company Pennzoil Products Company 673
 Address Box 5519, Vienna, W.V. 26105-5519
 Farm Kate Scott
 Tract Acres 970 Lease No. 79261
 Well (Farm) No. 3 Serial No.
 Quadrangle Charleston 15/CHARLESTON EAST 7.5
 County Kanawha
 District Malden 7
 Engineer E.C. Tabler
 Engineer's Registration No.
 File No. Drawing No.
 Date May 26 1936 Scale 1/16" = 1320'

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

WELL LOCATION MAP
 FILE NO. Kan-247 Frae
47-039

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

MAY 22 1990

- Denotes one inch spaces on border line of original tracing.

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

W E L L R E C O R D

Permit No. Kan-247

Gas Well

Company	-	South Penn Oil Co.		<u>CASING & TUBING</u>	<u>PACKER</u>
Address	-	C.of C.Bldg., Pittsburgh, Pa.	10 8 1/2	608' 4" (pulled) 1654' 5"	Kind-Steel
Farm	-	Kate C. Scott. Acres 970	7" OD	5104' 3"	Casg.shoe
Location	-	Campbell's Creek	Cond. 16		8 1/2"-1634'
Well No.	-	Three. Elev. 1273.04'			Size-7" O.D.
District	-	Malden. County- Kanawha			Depth- 5065'
Surface & Mineral	-	Kate C. Scott et al % Central Trust Co. Charleston, W. Va.		Coal encountered at 571'12"	
Drilling	-	Commenced- 8/4/36 Completed- 12/18/36			
Date Shot	-	12/19/36. Depth- 5141-5148			
Open Flow	-	24/10ths Water in 4" Vol. 940,000 cu.ft.			
Volume	-	After shot- 2,800,000 cu.ft.			
Rock Press.	-	1000 lbs. 24 hrs.			
Water	-	985 ft. 1285' & 1233'			

*3.1 S 20'
, 48 W. 30'*

Vol. VII, P. 366

Formation	Color	Top	Bottom	Results	Formation	Color	Top	Bottom	Results
Soil			80						
Sand		80	110						
Slate		110	135						
Slate & Shells		135	330						
Sand		330	410						
Slate		410	415						
Slate & Shells		415	500						
Lime		500	540						
Slate		540	545						
Sand		545	565						
Slate		565	571						
Coal		571	572						
Slate		572	580						
Lime		580	615						
Sand		615	805						
Slate		805	830						
Lime		830	850						
Sand		850	932						
Salt Sand		932	1270	Water	985 l Blr. per hr.				
Black Slate		1270	1310	Water	1215				
Red Rock		1310	1312	Water	1233 hole full				
Slate & Shells		1312	1365						
Gritty Lime		1365	1430						
Red Rock		1430	1432						
Slate		1432	1440						
Slate & Shells		1440	1462						
Red Rock		1462	1492						
Maxon Sand		1492	1560						
Little Lime		1560	1608						
Slate		1608	1610						
Lime		1610	1621						
Pencil Cave		1621	1626						
Big Lime		1626	1795	Show of gas	1660 insf. to test				
Big Injun		1795	1870	Show of gas	1796 insf. to test.				
Slate & Shells		1870	2240						
Berea		2240	2242		Gas 5143	28/10 W. 1" ope			
Slate & Shells		2242	2783			63,000 cu.ft.			
Grey Slate		2783	3450		Gas 5145	90/10 W. 2" ope			
Slate & Shells		3450	3500			446,600 cu.ft.			
Grey Lime		3500	3560		Gas 5147	18/10 W. ope 4"			
Slate & Shells		3560	3737			809,000 cu.ft.			
Brown Shale		3737	4115		Gas 5148	24/10 W. 4" ope			
Grey Slate		4115	4520			940,000 cu.ft.			
Dark Shale		4520	5044						
Corniferous		5044	5139						
Oriskany		5139	5151						
Lime		5151	5158						
Total Depth			5158						

*1795
1273
522*

Deep Well

NOV 21 90

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

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

Farm name: CUNNINGHAM, I.V., SR. Operator Well No.: KATE SCOTT #3

LOCATION: Elevation: 1273.04 Quadrangle: CHARLESTON EAST

District: CABIN CREEK County: KANAWHA
Latitude: 1100 Feet South of 38 Deg. 17Min. 30 Sec.
Longitude 4320 Feet West of 81 Deg. 30 Min. 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY
P. O. BOX 5519
VIENNA, WV 26105-5519

Agent: JAMES A. CREWS

Inspector: CARLOS W. HIVELY
Permit Issued: 05/17/90
Well work Commenced: 8-2-90
Well work Completed: 9-5-90
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5158
Fresh water depths (ft) N/A
Salt water depths (ft) 985

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): 571

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size	(SEE ORIGINAL WELL RECORD)		

OPEN FLOW DATA

Producing formation Big Injun/Oriskany Pay zone depth (ft) 1800-5139
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 265 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 220 psig (surface pressure) after 72 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (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 PRODUCTS COMPANY
By: Timothy P. Roush Timothy P. Roush
Date: November 19, 1990

NOV 21 1990

Perforated: 1800-1815 (15 holes)

Fractured: Big Injun - 443 Bbls. gelled water, 22,500# 20/40 sand.

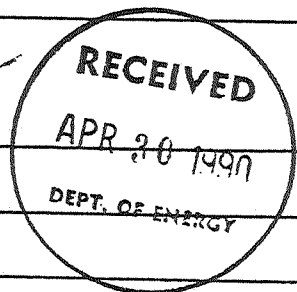
011737
011737
09 1 2 10M
10/10/10 100 100

10558

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Expires 5/17/92

- 1) Well Operator: 673 Pennzoil Products Company 37450 (2) 284
- 2) Operator's Well Number: KATE SCOTT NO. 3 3) Elevation: _____
- 4) Well type: (a) Oil X / or Gas ___ /
(b) If Gas: Production ___ / Underground Storage ___ /
Deep ___ / Shallow ___ /
- 5) Proposed Target Formation(s): Oriskany/Big Injun 371
- 6) Proposed Total Depth: 5158 feet
- 7) Approximate fresh water strata depths: N/A
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Perforate 7" @ 1950' - cement thru Big Injun - frac Big Injun.
- 12)



CASING AND TUBING PROGRAM

Spencer's Real Estate well

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	
Conductor					
Fresh Water	10"			608	
Coal					
Intermediate	8-1/4"			1654	
Production	7"			5104	
Tubing					
Liners					

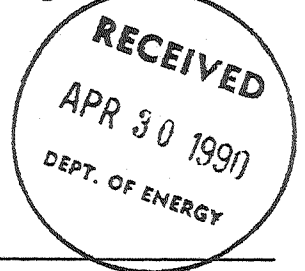
PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

180
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket Agent
(Type)

1) Date: April 26, 1990
2) Operator's well number
KATE SCOTT NO. 3
3) API Well No: 47 - 039 - 0247-frac
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT



4) Surface Owner(s) to be served:
(a) Name I. V. Cunningham, Sr.
Address c/o Henry C. Bias
PO Box 188, Charleston, WV 25321
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Carlos Hively
Address 223 Pinch Ridge Rd.
Elkview, WV 25071
Telephone (304)- 965-6069

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 4 on the above named parties, by:

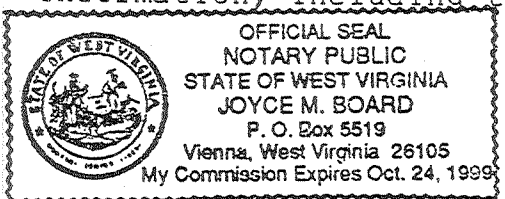
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Pennzoil Products Company
By: Curtis A. Lucas Curtis A. Lucas
Its: Advanced Engineering Tech.
Address P.O. Box 5519
Vienna, W. Va. 26105-5519
Telephone 304-422-6565



Subscribed and sworn before me this 26th day of April, 19 90

Joyce M. Board Notary Public
My commission expires October 24, 1999