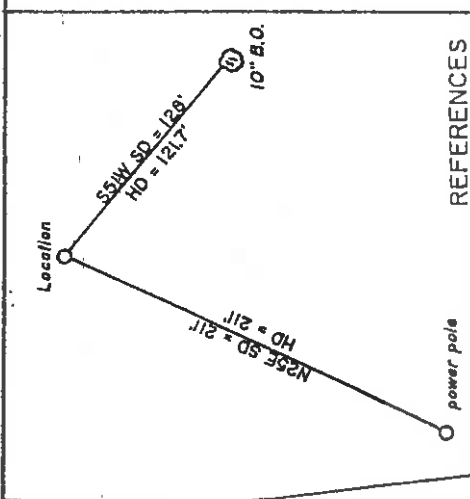
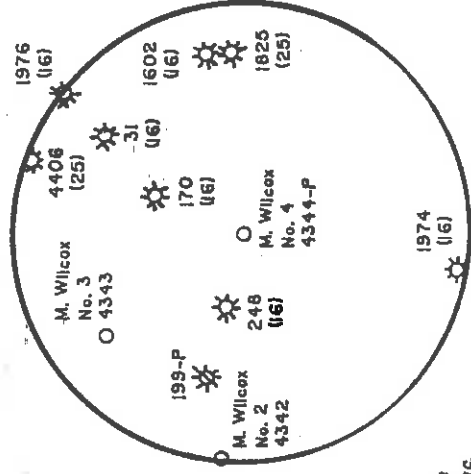


LATITUDE 39-22-30 N  
LONGITUDE 80-42-30 W

3475'



REFERENCES



B. Wise  
138.25 ac.

McKinney & Belle  
107.5 ac.

M. Wilcox  
No. 3  
4343

Z. Boyce  
30.87 ac.

N38° 22' 4"

S43° E 23° 7'

NORTH

2.29  
2.16

248  
(16)

M. Wilcox  
No. 2  
4342

(fd. 1 1/2" iron pipe at fence corner)

S84-31E 2606'

McKinney & Belle  
142.44 ac.

D. Bickler  
19.57 ac.

N59-45W 1518'

S89-30W 1435.5'

Location  
M. Wilcox  
No. 4  
4344-P

N09-41W  
49'

J. Stover  
36.07 ac.

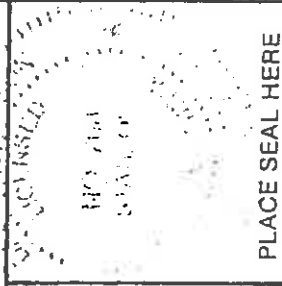
S25W 87° 4.5'

(fd. post at fence corner)

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION Top of Knob 1000'  
South of Location: elev. 1222'

THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY (SIGNED) David S. Jackson R.P.E. \_\_\_\_\_ U.S. 791



PLACE SEAL HERE

STATE OF WEST VIRGINIA  
Division of Environmental Protection  
OFFICE OF OIL AND GAS

DATE June 12, 19 2000  
OPERATOR'S WELL NO. M. Wilcox No. 4  
API WELL NO. 47-17-4344R  
WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1111' WATERSHED Poverty Run  
DISTRICT Grant COUNTY Doddridge  
QUADRANGLE Smithburg 7 1/2'  
SURFACE OWNER Lee Cashdollar Jr. et al  
OIL & GAS ROYALTY OWNER Maurice K. Wilcox et al LEASE ACREAGE 100.83  
LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  CONVERT  DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
TARGET FORMATION Gordan Sands ESTIMATED DEPTH 3200'  
WELL OPERATOR Clowser Well Service DESIGNATED AGENT John Clowser  
ADDRESS RL3 Box 27A Salem, WV 26426 ADDRESS RL3 Box 27A Salem, WV 26426

DoDD COUNTY NAME  
4344R PERMIT

(SMITHSON: FIRST SEACIA FIELD)

09-01-00

API# 47-017-~~4344~~

4344 R  
Apr 19

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operators Report of Well Work

Farm name: Cashdollar  
Location: Elevation: 1,111  
Operator Well #: Wilcox #4  
Quadrangle: Smithburg 7.5'

District: Grant  
Latitude 12,025 feet south of  
Longitude 3,400 feet west of  
County Doddridge  
39 Deg. 22 Min. 30 Sec.  
80 Deg. 42 Min. 30 Sec.

Company: Clowser Well Service  
Route 3  
Salem WV 26426

Agent: John Clowser  
Inspector: Mike Underwood  
Permit Issued: 12-21-01  
Well Work Commenced: 08-22-00  
Well Work Completed: 08-22-00  
Verbal Plugging  
Permission granted on:  
Rotary Cable Rig  
Total Depth (ft) 3050'  
Fresh water depth (ft) N/A  
Salt water depth (ft) N/A  
Is coal being mined in are (Y/N) N  
Coal depths (ft) N/A

Used in Drilling  
Casing  
Left in Well  
Cement Fill up

OPEN FLOW DATA

Producing formation Gordon  
Gas: Initial open flow show mcf/d  
Final open flow 615 mcf/d  
Time of open flow between initial and final tests  
Static rock pressure 350# psig (surface pressure) after  
Pay zone depths (ft) 2710-2800  
Initial open flow bbls/day  
Final open flow bbls/day  
Hours 48  
Hours 48

Other producing formation Big Injun  
Gas: Initial open flow \* mcf/day  
Final open flow \* mcf/day  
Time of open flow between initial and final tests  
Static rock pressure psig (surface pressure) after  
Pay zone depths (ft) 2050-2125  
Initial open flow bbls/day  
Final open flow bbls/day  
Hours 48  
Hours 48

\* = commingled zones

For: Clowser Well Service

By:   
Date: 09-01-00

D000 4344 R

MADE IN USA

MADE IN USA

Wilcox #4  
08-22-00

Run 4 1/2 casing to 2,880' cement with 290 sks poz cement

Stimulation

	perfs	sand	avg rate	ksip
Stage #1				
Gordon	2778-2810	250 sks	28 bpm	2258#
Stage #2				
Big Injun	2058-2132	250 sks	28 bpm	1996#

~~Stim~~ Log

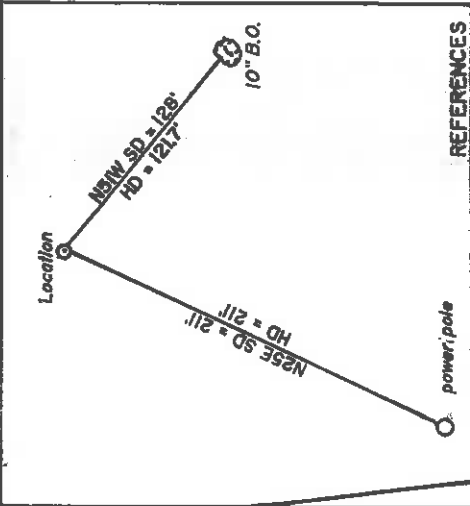
Electric Log Tops

For ~~Stim~~ log see original OG-10

3400

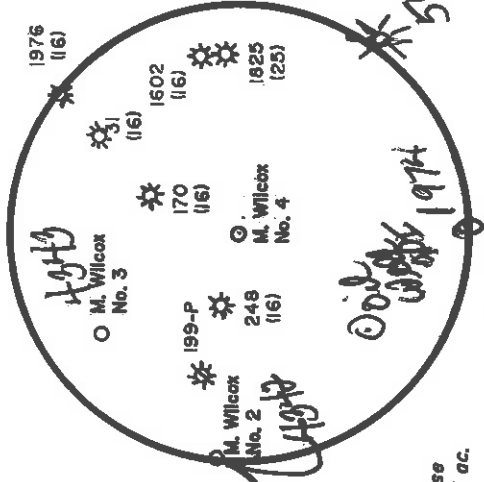
LATITUDE 39-22-30 N

LONGITUDE 80-42-30 W



REFERENCES

*James*  
*2/2/97*



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138.25 ac.

McKinney & Belle  
107.5 ac.

Z. Boyce  
30.87 ac.

M. Wilcox  
No. 3

248  
(16)

M. Wilcox  
No. 2

(+) 1 1/2" Iron  
Pipe at fence  
corner

McKinney & Belle  
142.44 ac.

D. Bichter  
19.57 ac.

Location  
M. Wilcox  
No. 4

J. Slover  
36.07 ac.

*04344-P*

S43E 2397

7 1/2'

S84-31E 2606'

N59-15W 1516'

S89-30W 1435.5'

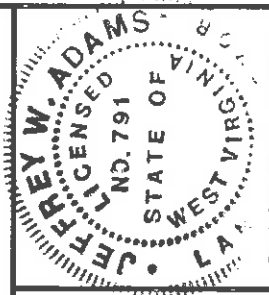
N09-41W  
491'

(fid. post at  
fence corner)

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF  
 ACCURACY 1 in 200  
 PROVEN SOURCE OF  
 ELEVATION Top of Knob 1000'  
South of Location: elev. 1222

I THE UNDERSIGNED, HEREBY CERTIFY THAT  
 THIS PLAT IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND BELIEF AND SHOWS ALL THE  
 INFORMATION REQUIRED BY LAW AND THE REGU-  
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
 MENT OF ENERGY  
 (SIGNED) Jeffrey W. Adams  
 R.P.E. \_\_\_\_\_ L.L.S. 791



PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS



DATE January 17, 19 97  
 OPERATOR'S WELL NO. M. Wilcox No. 4  
 API WELL NO. \_\_\_\_\_ STATE \_\_\_\_\_ COUNTY \_\_\_\_\_ PERMIT  
47-017-04344-P

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 1111' WATER SHED Poverty Run

DISTRICT Grant COUNTY Doddridge

QUADRANGLE Smithburg 7 1/2'

SURFACE OWNER Lee Cashdollar Jr. et ux

OIL & GAS ROYALTY OWNER Maurice K. Wilcox et al LEASE ACREAGE 100.83

LEASE NO. 555600

PROPOSED WORK: DRILL  CONVERT  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR  
 FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ ESTIMATED DEPTH 5800' 6000'  
 TARGET FORMATION Benson

WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Eric R. Stearns  
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

Dodd COUNTY NAME

4344 PERMIT



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WELL WORK PERMIT APPLICATION

1) Well Operator: 687 PETROLEUM DEVELOPMENT CORPORATION 38200 3 611

2) Operator's Well Number: M. Wilcox #4 3) Elevation: 1111'

Well type: (a) Oil      / or Gas XX / Issued 02/03/97

(b) If Gas: Production XX / Underground Storage      / Expires 02/03/99  
 Deep      / Shallow XXX /

Proposed Target Formation(s): 437 Alexander Sands

Proposed Total Depth: 6000' feet

Approximate fresh water strata depths: 49'; 271'; 322'

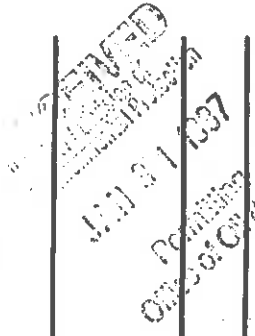
Approximate salt water depths: 1631'; 1689'

Approximate coal seam depths: 164'; 431'; 675'; 962'

10) Does land contain coal seams tributary to active mine? Yes      / No XX /

11) Proposed Well Work: Drill & Stimulate New Well

12)



CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT			
	Size	Grade	Weight per ft. drilling	Left in well	Fill-up (cu. ft.)	
Conductor	11 3/4"	H-40	42#	30' / 175'	-175'	-C.T.S.
Fresh Water						
Coal						
Intermediate	8 5/8"	H-40	20/23#	1090' / 1700'	1090' / 1700'	38CSR18-11.3 38CSR18-11.2.2
Production	4 1/2"	J-55	10.5#	6000'	6000'	38CSR18-11.1 450 sks
Tubing						
Liners						

PACKERS : Kind       
 Sizes       
 Depths set     

For Office of Oil and Gas Use Only

Fee(s) paid:      Well Work Permit      Reclamation Fund      WPCP

Plat      WW-9      WW-2B      Bond      (Type)      Agent

1) Date: January 21, 1997  
2) Operator's well number  
M. Wilcox #4  
3) API Well No: 47 - 017 - 4344  
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served: 5) (a) Coal Operator.

(a) NameLee and Patricia Cashdollar, Name  
Address HCR 67, Box 190  
West Union, WV 26456

(b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_ Address \_\_\_\_\_

6) Inspector Mike Underwood (c) Coal Lessee with Declaration  
Address Rt. 2, Box 135 Name \_\_\_\_\_  
Salem, WV 26426-0135 Address \_\_\_\_\_  
Telephone (304)- \_\_\_\_\_

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

XX Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

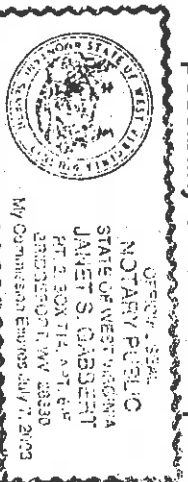
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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.



Subscribed and sworn before me this 21<sup>st</sup> day of January, 1997

My commission expires June 7, 2003 Notary Public

Well Operator PETROLEUM DEVELOPMENT CORPORATION  
By: Eric R. Stearns  
Its: V. P. Exploration & Development  
Address P O Box 26  
Bridgeport, WV 26330  
Telephone 304-842-6256

RECEIVED

WV Division of  
Environmental Protection

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

MAR 27 1997

Permitting  
AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT ~~SWORN~~ ~~Oil & Gas~~ TRIPPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: CASHDOLLAR, LEE & PAT Operator Well No.: WILCOX #4

LOCATION: Elevation: 1,111.00 Quadrangle: SMITHBURG  
District: GRANT County: DODDRIDGE  
Latitude: 12025 Feet South of 39 Deg. 22 Min. 30 Sec.  
Longitude 3400 Feet West of 80 Deg. 42 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS x

Company: Petroleum Development Corporation  
PO Box 26, 103 East Main Street  
Bridgeport, WV 26330

Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_

Agent: Eric R. Stearns \_\_\_\_\_

Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_

Permit Issued: 03/19/97

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of \_\_\_\_\_ SS:

Steven Trippett and Mike Davison

first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Mike Underwood Oil and Gas Inspector representing the Director, say that said work was commenced on the 27th day of February, 1997, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED
6% gel	5678	5140	LEFT
Class A cement	5140	5040	
6% gel	5040	3570	
Class A cement	3570	3470	
6% gel	3470	2810	
Class A cement	2810	2710	
6% gel	2710	2100	
Class A cement	2100	2000	
6% gel	2000	1771	

Description of monument: 8 5/8" csg approx 4' high with API# \_\_\_\_\_ and that the work of plugging and filling said well was completed on the 27th day of February, 1997. *Eric R. Stearns*

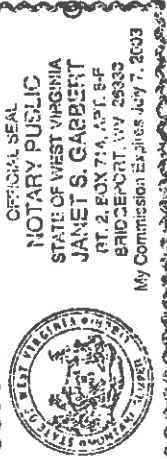
And further deponents saith not...

Eric R. Stearns

Sworn and subscribe before me this 26<sup>th</sup> day of MARCH, 1997

My commission expires: July 7, 2003

*Janet S. Garbett*  
Notary Public



Oil and Gas Inspector:

MAR 31 1997



