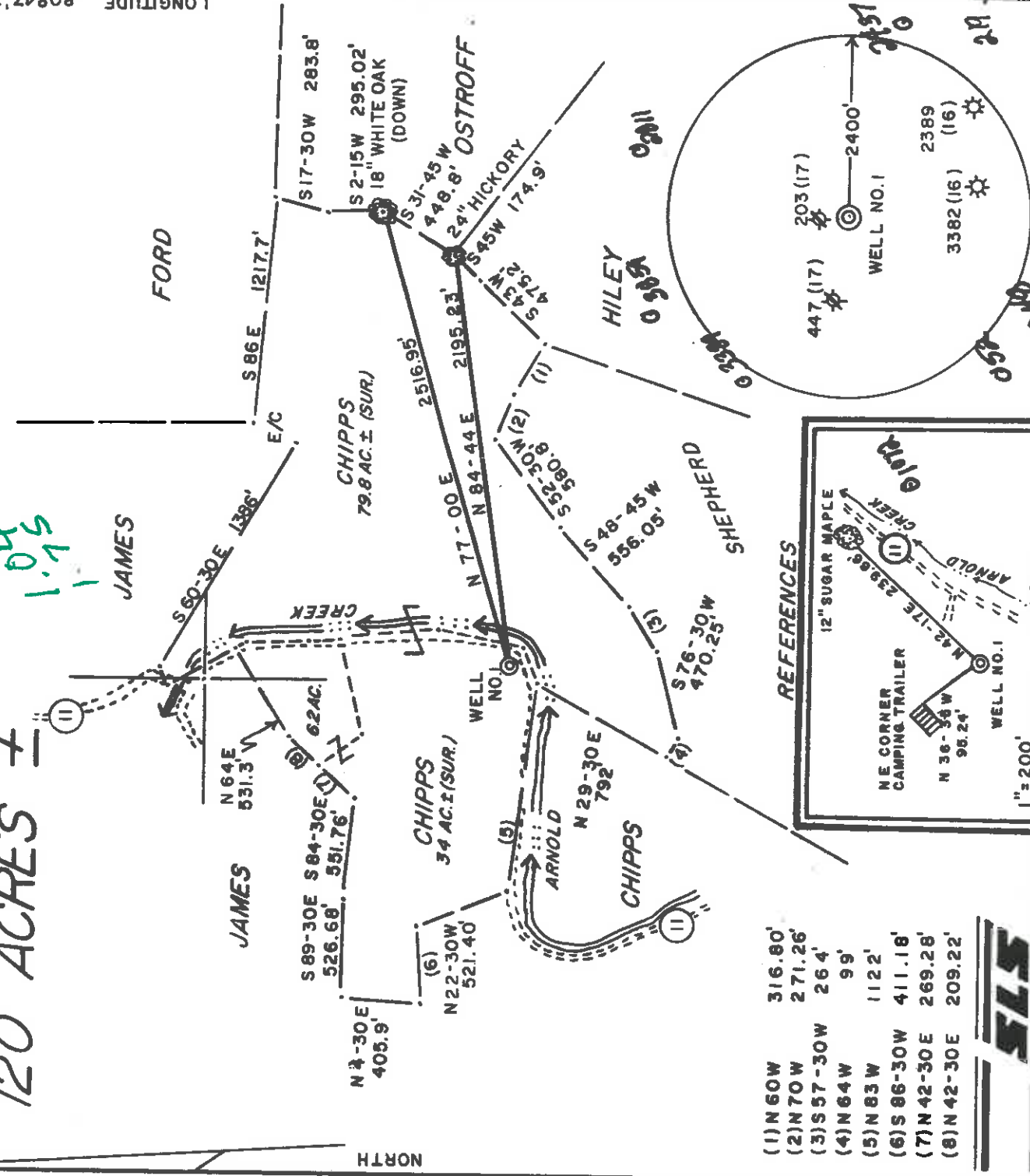


LATITUDE 39°20'00" LONGITUDE 80°47'30" 5.490

CHIPPS LEASE WELL NO. 1

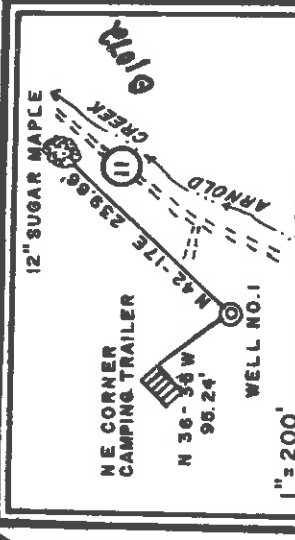
120 ACRES ±

1.04
1.15



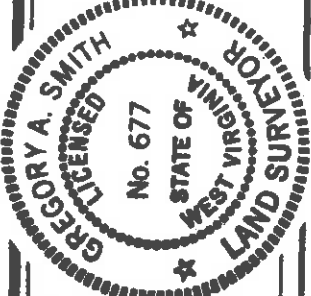
- (1) N 60W 316.60'
- (2) N 70W 271.26'
- (3) S 57-30W 264'
- (4) N 64W 99'
- (5) N 83W 1122'
- (6) S 86-30W 411.18'
- (7) N 42-30E 269.28'
- (8) N 42-30E 209.22'

REFERENCES



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

L.L.S. *Gregory A. Smith*
677



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

DATE MAY 21, 19 91
OPERATORS WELL NO. CHIPPS NO. 1
API WELL NO.

STATE 47 - 017 - 38997
COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2000 (37-19)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 1268' SCALE 1" = 800'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL LIQUID WASTE DISPOSAL GAS INJECTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 797' WATERSHED ARNOLD CREEK

DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER EUGENE VANCE CHIPPS II & BRIDGET CHIPPS
ROYALTY OWNER EUGENE VANCE CHIPPS II & BRIDGET CHIPPS et al.

PROPOSED WORK:
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ALEXANDER

WELL OPERATOR DEVONIAN APPALACHIAN Inc. 5418 DESIGNATED AGENT ROBERT ANDERSON
ADDRESS RT. 1 BOX 114-B MINERALWELLS, WV. 26150

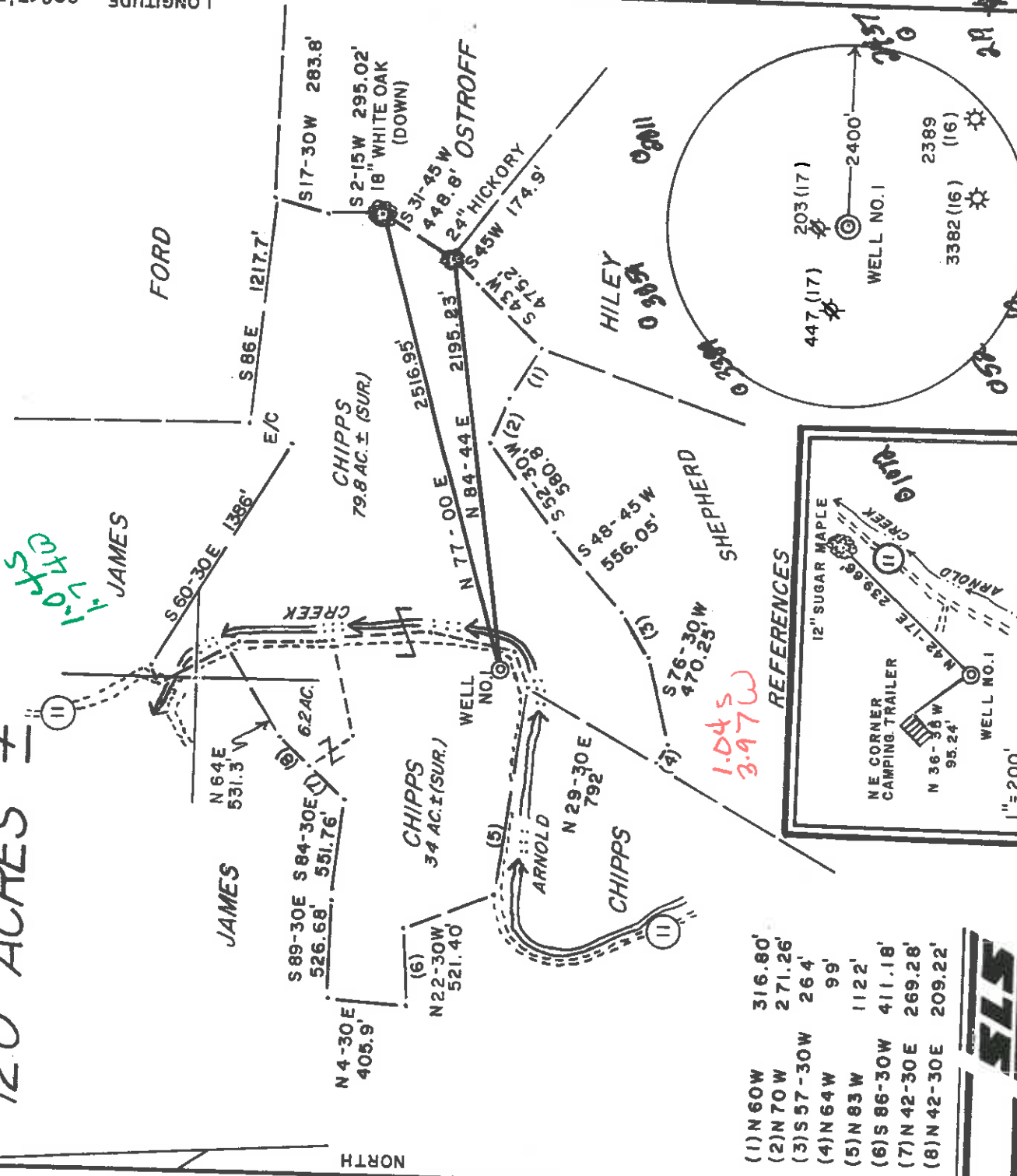
Dood 3899
COUNTY NAME PERMIT

LATITUDE 39°20'00"

LONGITUDE 80°47'30"

CHIPPS LEASE WELL NO. 1

120 ACRES ±

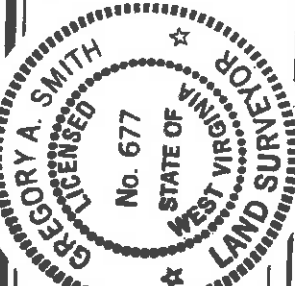


- (1) N 60 W 316.80'
- (2) N 70 W 271.26'
- (3) S 57-30W 264'
- (4) N 64 W 99'
- (5) N 83 W 1122'
- (6) S 86-30W 411.18'
- (7) N 42-30E 269.28'
- (8) N 42-30E 209.22'



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 BY THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

L.L.S. *Gregory A. Smith*
677



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

DATE MAY 21, 1991

OPERATORS WELL NO. CHIPPS NO. 1

API WELL NO. 47-017-3899

STATE 47 COUNTY 017 PERMIT 3899

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 2000 (37-19)

PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 1268' SCALE 1" = 800'

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW LOCATION: ELEVATION 797'

DISTRICT CENTRAL WATERSHED ARNOLD CREEK QUADRANGLE EUGENE VANCE CHIPPS II & BRIDGET CHIPPS ACREAGE 34 OF 120

ROYALTY OWNER EUGENE VANCE CHIPPS II & BRIDGET CHIPPS et al. LEASE ACREAGE 120

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5900' JUL 29 1991

WELL OPERATOR DEVONIAN APPALACHIAN Inc. 4518 DESIGNATED AGENT ROBERT ANDERSON

ADDRESS RT. 1 BOX 114-B MINERALWELLS, WV. 26150 ADDRESS RT. 1 BOX 114-B MINERALWELLS, WV. 26150

6-6 Steadley (099) (Da.)

RECEIVED
OCT 07 1991

24-Jul-91
API # 47-17-03899

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Reviewed FMB
Recorded

Well Operator's Report of Well Work

Farm name: CHIPPS EUGENE ETUX. Operator Well No.: CHIPPS #1

LOCATION: Elevation: 797.00 Quadrangle: WEST UNION

District: CENTRAL County: DODDRIDGE
Latitude: 5490 Feet South of 39 Deg. 20 Min. 0 Sec.
Longitude 9230 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: DEVONIAN APPALACHIAN COMP
ROUTE 1, BOX 114B
MINERAL WELLS, WV 26150-0114

Agent: ROBERT A. ANDERSON

Inspector: MIKE UNDERWOOD
Permit Issued: 07/24/91
Well work Commenced: 9/26/91
Well work Completed: 10/4/91
Verbal Plugging
Permission granted on: R19
Rotary X Cable 5148
Total Depth (feet) 5148
Fresh water depths (ft) 183, 240

Salt water depths (ft) 743
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 410 - 413

OPEN FLOW DATA

Producing formation Alex, Benson, Riley Pay zone depth (ft) 4924
Gas: Initial open flow 900 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 450 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock pressure 1525 psig (surface pressure) after 12 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 PERFORATION 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: DEVONIAN APPALACHIAN COMPANY, INC.

BY: [Signature]
Date: 10/7/91

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	127'	127'	38 CSR
8 5/8	1177'	1108'	38 CSR
4 1/2	5148'	5071'	1811.1

4204'
4641'

OCT 16 1991

MR-35

Alexander: perforate 4959-61 2 shots, 4950-52 2 shots, 4939-41 3 shots, 4928-31 5 shots and frac with 500 gal 15% HCl ahead of 5,000# 80/100 Ottawa sand and 25,000# 16/30 sand in 450 dbi water and Nitrogen assist.

Benson: Perforate 4640-45 8 shots, 4585-87 3 shots, 4514 3 shots and frac with 500 gal 22% HCl and 5,000# 80/100 and 20,000# 16/30 sand in 380 dbi water and Nitrogen assist.

Riley: Perforate 4253-55 4 shots, 4223-25 4 shots, 4208-10 4 shots, 4133-35 4 shots and frac with 500 gal 22% HCl 5,000# 80/100 and 30,000# 20/40 sand in 75 quality Nitrogen foam frac.

LOG	FORMATION	NOTES
0-1108	RED ROCK, SAND, SHALE COAL	TD OF 8 5/8"
1108-1200	SHALE	
1200-1651	SAND AND SHALE	
1651-1758	LIME	GAS
1758-1802	BIG INJUM	GAS
1802-1950	SHALE	GAS
1950-2060	WEIR	INTERMITTENT GAS
2060-4208	SAND AND SHALE	GAS
4208-4258	RILEY	GAS
4258-4638	SHALE	
4638-4648	BENSON	
4648-4906	SHALE	
4906-4962	ALEXANDER	GAS

RECEIVED

OCT 07 1991

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

12662

017-3899 Issued 07/24/91
 Expired 07/24/92

FORM WW-2B

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

Page ___ of ___

1) Well Operator: Deventer Appalachian Co., Inc. 4518 13530 439 (1) 670

2) Operator's Well Number: Chippis #1

4) Well type: (a) Oil ___ / or Gas ___ / 3) Elevation: 797'

(b) If Gas: Production / Underground Storage
 Deep / Shallow

5) Proposed Target Formation(s): Riley, Benson, Alexander

6) Proposed Total Depth: 5250' feet

7) Approximate fresh water strata depths: 90' 351'?

8) Approximate salt water depths: 6?

9) Approximate coal seam depths: N/A OK.

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

11) Proposed Well Work: Drill & Stimulate Well

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"			30'	0	38CSR: 10-113
Fresh Water	11 3/4"		23#	130'	130'	N/A
Coal						38 CSR 1811-2-2
Intermediate	8 5/8"	J-55	23#	1200'	1200'	38CSR 1811-2-2
Production	4 1/2"	J-55	10.5#	5200'	5200'	38CSR 1811-1
Tubing						
Liners						

PACKERS : Kind
 Sizes
 Depths set

RECEIVED
 JUL 24 1991

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-28 Bond Agent (Type)

2 1221

RECEIVED
JUL 24 1991

1) Date: CHPP's #
2) Operator's well number
3) API Well No: 47 - 011 - 3899
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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 Eugene Chipps
Address Rt 1 Box 270
West Union, WV. 26456

(b) Name Ridgely Chipps
Address WV 26456

(c) Name _____
Address _____

5) (a) Coal Operator: N/A
Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name N/A
Address _____

(c) Coal Lessee with Declaration
Name N/A
Address _____

6) Inspector Mike Underwood
Address Rt 2 Box 135
Salem WV 26426
Telephone (304) - 782-1043

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 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 _____ 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 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 Devonian Appalachian Co., Inc.
By: Robert B. Shaetz
Its: President
Address: I Box 114 B
Mineral Wells, WV. 26150
Telephone (304)489-9314

Subscribed and sworn before me this 18th day of July, 1991
Shaetz R. Shaetz Notary Public
My commission expires 29 Nov. 1993

017-3899 - Frac.
 Issued 11/02/92
 Expired 11/02/94

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

Page of

1) Well Operator: Demonian Appalachian Co., Inc. 13530 (1) 670

2) Operator's Well Number: Chipps #1 47-17-3899

3) Elevation: 797

4) Well type: (a) Oil or Gas

(b) If Gas: Production Undergroud Storage
 Deep Shallow

5) Proposed Target Formation(s): Gordon, Gantz, Squaw, Weir, Maxon

6) Proposed Total Depth: N/A feet

REQUIRED

7) Approximate fresh water strata depths: N/A

8) Approximate salt water depths: N/A

OCT 26 02

9) Approximate coal seam depths: N/A

Permitting Office of Oil & Gas

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

11) Proposed Well Work: Set Temporary Plug, frac new zones, knock out plug and commingle all zones

App. System used
 New Formation

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4" SEE EXISTING ATTACHED			127'	127'	
Fresh Water	8 5/8"			1177'	1108'	
Coal						
Intermediate	4 1/2"			5749'	5748'	
Production						
Tubing						
Liners						

PACKERS : Kind

Sizes

Depths set

For Division of Oil and Gas Use Only

Fee(s) paid: \$1250

Well Work Permit Reclamation Fund

WPCP

Agent

Expiration

OCT 2 6

Permitting
Office of Oil and Gas

- 1) Date: Chippas #1 10/20/92
- 2) Operator's Well number Chippas #1
- 3) API Well No: 47 - 17 - 3899-Ena
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 Eugene Clipp
Address Rt 1 Box 279
West Union, W.V. 26456

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator:
Name Alfa
Address _____

(b) Coal Owner(s) with Declaration
Name _____
Address _____

Name _____
Address _____

6) Inspector Mike Underwood
Address Rt 2 Box 135
Saloma, W.V. 26426
Telephone (304) - 782-1013

(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 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 _____ 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 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 Reynian Appalachian Co. Inc

By: Chris D. Brown
Its: President
Address Rt. 1 Box 114 B
Pinwell W.V. 26150

Subscribed and sworn before me this 26 day of October, 1992
James D. Moore Notary Public
My commission expires Aug 31 1998



RECEIVED
WV Division of
Environmental Protection

MR-35 SEP 11 1995

Permitting
Office of Oil & Gas

Date 9-5-95
Operator's
Well No. Chippis 1
DEPARTMENT OF ENERGY
Oil and Gas Division
API NO. 47-017-3899F

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(if "Gas," Production / Underground Storage / Deep / Shallow 1)
LOCATION: Elevation: 297' Watershed Arnold Creek
District: Central County Putnam Quintaryle West Union 75

COMPANY Devonian Appalachia Co. Inc.

ADDRESS 4271 Fox Rd. Kingsville, OH 44098

DESIGNATED AGENT Bob Anderson

ADDRESS P.O. Box 640 Parsons 1462645

SURFACE OWNER Eugene & Budget Chippis

ADDRESS Rt 1 Box 274 Putnam, W. Va 26456

MINERAL RIGHTS OWNER Chippis Shinn

ADDRESS same

OIL AND GAS INSPECTOR FOR THIS WORK Nick

Winkelman ADDRESS Rt 2 Box 135 5A 100

PERMIT ISSUED 11-7-92

DRILLING COMMENCED 11-4-92

DRILLING COMPLETED 11-5-92

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON 11/4

GEOLOGICAL TARGET FORMATION Shale --- N/A

Depth of completed well _____ feet Rotary _____ / Cable tools _____

Water strata depth: Fresh _____ feet; Salt _____ feet

Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2280-2360 feet

Gas: Initial open flow 45 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 30 Mcf/d Final open flow 172 Bbl/d

Time of open flow between initial and final tests 12 hours

Static rock pressure 980 psig (surface measurement) after 48 hours shut in

(If applicable due to multiple completion--)

Second producing formation Big Lajun-Weir Pay zone depth 1790-2020 feet

Gas: Initial open flow same Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static pressure _____ psig (surface measurement) after _____ hours shut in

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cased.			
13-10"		No change	
9 5/8			
8 5/8		from original	
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

Refer to original WR 35 for well log, this well was a recompletion

1st stage perfs: 2359-63 10 holes, 2279-81 6 holes
Frac with 45,000# sand and water with Nitrogen assist

Second Stage perfs: 2020-2024 10 holes, 1948 2 holes and 1782-83 4 holes
Frac with 45,000# sand carried with water and nitrogen assist

Third stage frac abandoned due to communication through cemented annulus

Perfs: were from 1221-1391 (20)

