

Janie
11/7/91

FREDERICK BELKNAP
97.611 AC.
PLAT AT 779/245

28" POPLAR (FOUND)

N42°46'W, 130.45'

6" WILD CHERRY

S10°39'E, 174.38'

N36°44'E, 94.66'

E-915

N18°57'W, 261.22'

F. BELKNAP
1.35 AC.

LONGITUDE 80° 25' 00"

9400'

S14°08'W, 642.12'

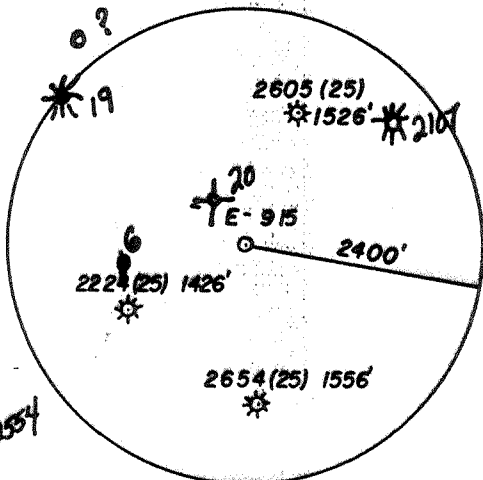
1.795
217W

7.5'

ARLIE R. WADE, JR.
10.49 AC.

WELL REFERENCES:

N36°45'E, 94.5' TO 6" WILD CHERRY
N10°40'W, 174.5' TO 28" POPLAR

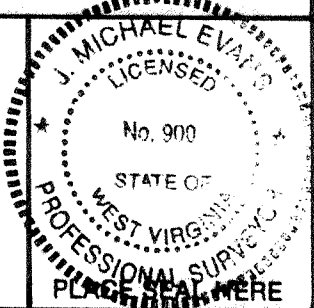


LAND SURVEYING SERVICES
304-842-2018

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 100'
MINIMUM DEGREE OF ACCURACY 1 IN 2500
PROVEN SOURCE OF ELEVATION ROAD INT. 851'SE. OF LOC. AT ELEV. 993'

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.
(SIGNED) J. Michael Evans
R.P.E. _____ L.L.S. NO. 900



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

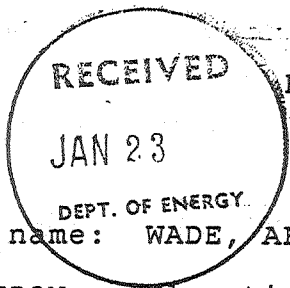


DATE OCTOBER 30, 19 91
OPERATOR'S WELL NO. WADE 1
API WELL NO. E-915
47 033 3859
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1138' WATERSHED LITTLE TENMILE CREEK
DISTRICT SARDIS COUNTY HARRISON
QUADRANGLE WALLACE
SURFACE OWNER ARLIE R. WADE, JR. ACREAGE 10.49
OIL & GAS ROYALTY OWNER ARLIE R. WADE, JR. LEASE ACREAGE 12
LEASE NO. 2367
PROPOSED WORK: DRILL X CONVERT ___ DRILL 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 ELKS. ESTIMATED DEPTH 5900'
WELL OPERATOR EMAX OIL COMPANY DESIGNATED AGENT JOHN HASKINS
ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WV 26426 Brown-Lumberport (104) SALEM, WV 26426

COUNTY NAME
PERMIT

NOV 22 1991



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

Reviewed TMG
Recorded _____

Well Operator's Report of Well Work

Farm name: WADE, ARLIE R. Operator Well No.: E 915

LOCATION: Elevation: 1138.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON
Latitude: 9400 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 11500 Feet West of 80 Deg. 25 Min. 0 Sec.

Company: EMAX OIL COMPANY
P.O. BOX 112
SALEM, WV 26426-0112

Agent: JOHN T. HASKINS

Inspector: TIM BENNETT
Permit Issued: 11/18/91
Well work Commenced: 12/6/91
Well work Completed: 12/12/91
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 5131
Fresh water depths (ft) 110
Salt water depths (ft) 0

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	30'		
8 5/8		937.3	to surface
4 1/2		5067	765 sks

Is coal being mined in area (Y/N)? n
Coal Depths (ft): 65-68, 150-154, 514-520

OPEN FLOW DATA

Gordon, 30 Foot
Producing formation Benson, Balltown, U.Speechley Pay zone depth (ft) 2578-4936
Gas: Initial open flow n/t MCF/d Oil: Initial open flow n/a Bbl/d
Final open flow 675 MCF/d Final open flow n/a Bbl/d
Time of open flow between initial and final tests n/a Hours
Static rock Pressure 825 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: EMAX OIL COMPANY

By: John T. Haskins
Date: 01/22/92

Benson perforated 4922-4936 with 12 holes. Water fraced at 30 bpm with 50,000# sand and 398 bbl water.

Balltown perforated from 3788-3815 with 12 holes. water fraced with 40,000# sand and 398 bbl water.

Upper Speechley perforated from 3418-3486 with 12 holes. water fraced with 25,000# sand and 298 bbl water.

Gordon perforated from 2700-2712 with 10 holes. Water fraced at 20 bpm with 20,000# sand in 245 bbl water.

30foot perforated from 2578-2586 with 10 holes. water fraced at 20 bpm with 20,000# sand.

	Sand & Shale	0	65
Dunk	Coal	65	68 1972
Mor	Sand & Shale	68	514 - Com- 150-154 1686 1750
Pat	Coal	514	520 1324
	Sand & Shale	520	1840 1324
	Big Lime	1840	1924 1324
	Big Injun	1924	1979
	Sand & Shale	1979	2446
414	50 foot	2446	2502
414	30 foot	2540	2588
	Sand & Shale	2588	2610
419	Gordon	2610	2720
	Sand & Shale	2720	3288
448	Upper Speechley	3288	3343
432	Speechley	3436	3486
435	Balltown	3784	3841
	Sand & Shale	3841	4921
435	Benson	4921	4970
	Sand & Shale	4970	5131 TD

8571

033-3058 Issued 11/18/91
Expires 11/18/93

FORM WW-2B

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

- 1) Well Operator: 1045 SHELDON AND ASSOCIATES, INC. 44670 (0) 668
- 2) Operator's Well Number: COFFINDAFFER D-70 3) Elevation: 1230'
- 4) Well type: (a) Oil / or Gas XV
- (b) If Gas: Production XX / Underground Storage /
Deep / Shallow
- 5) Proposed Target Formation(s): 435 SPEECHLEY, BALLTOWN, BENSON
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 267'
- 8) Approximate salt water depths: OK 1136'
- 9) Approximate coal seam depths: 312' 218'-224'
- 10) Does land contain coal seams tributary to active mine? Yes / No xy
- 11) Proposed Well Work: NEW WELL DRILLING AND FRACTURING
- 12)

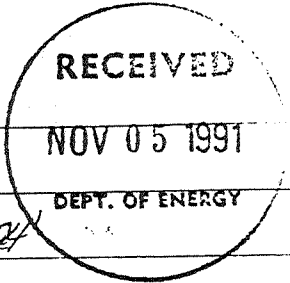
CASING AND TUBING PROGRAM

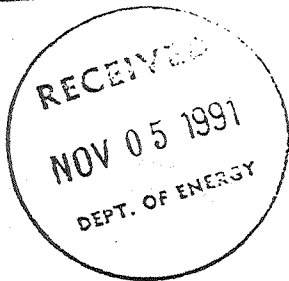
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4	H 44		30'		
Fresh Water						
Coal						
Intermediate	8 5/8	J 55	20 LB.	1239'	1239'	AS REQUIRED BY REG. 18-11-2.2 CTS 18-11.3
Production	4 1/2	J 55	10.5 LB	4761'	4761'	AS REQUIRED BY REG. 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind
 Sizes
 Depths set

For Division of Oil and Gas Use Only

1202
28
 Fee(s) paid: Well Work Permit Reclamation Fund WPCS
 Plat WW-9 WW-2B Bond Blanket Agen





- 1) Date: October 31, 1991
- 2) Operator's well number
COFFINDAFFER D-70
- 3) API Well No: 47 - 033 - 3858
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 CATHERINE C PRICE
Address 1712 NORTH VEITCH ST
ARLINGTON VA 22201
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector TIM BENNETT
Address 737 CARL STREET
WESTON WV 26452
Telephone (304) - 269-6167

- 5) (a) Coal Operator:
 - Name _____
 - Address _____
- (b) Coal Owner(s) with Declaration
 - 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 xx Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

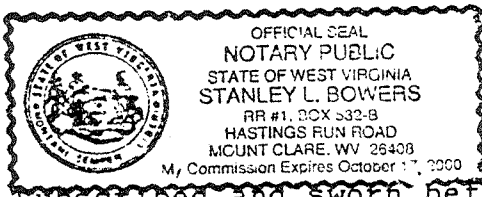
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 8 on the above named parties, by:

- xx 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 SHELDON AND ASSOCIATES, INC.
By: _____
Its: PRESIDENT
Address 1400 JOHNSON AVE BLDG 4 STE E
Telephone (304) 842-4733



subscribed and sworn before me this 31st day of OCTOBER, 19 91

STANLEY L BOWERS Notary Public
My commission expires 10/17/2000

RECEIVED
NOV 01 1991
DEPT. OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

033-3859
Issued 11/18/91

Page 01 of 01
Expires 11/18/93

- 1) Well Operator: EMAX Oil Company 15475(7) 654
- 2) Operator's Well Number: E-915 Arlie Wade 3) Elevation: 1138
- 4) Well type: (a) Oil or Gas /
(b) If Gas: Production / Underground Storage /
Deep Shallow
- 5) Proposed Target Formation(s): Elks 437
- 6) Proposed Total Depth: 5900 feet
- 7) Approximate fresh water strata depths: 0-477
- 8) Approximate salt water depths: @ 1323'
- 9) Approximate coal seam depths: @ 571'-577' @ 525'-529' @ 549'-556'
- 10) Does land contain coal seams tributary to active mine? Yes / No
- 11) Proposed Well Work: Drill and stimulate new well
- 12)

CASING AND TUBING PROGRAM

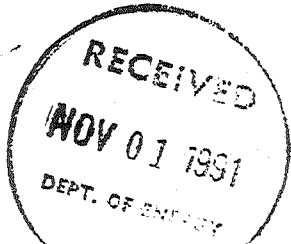
TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling Left in wall	
Conductor	11 3/4			30'	
Fresh Water					30 CSR 4 1/2
Coal					30 CSR 18 1/2
Intermediate	8 5/8			1075	to surface
Production	4 1/2			5875	550 sks
Tubing					30 CSR 8 1/2
Liners					

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

2843
28
Fee(s) paid: Well Work Permit Reclamation Fund WPCD
 Plat: ww-9 ww-23 Bond C D Blanket Agent

13192



- 1) Date: October 30, 1991
- 2) Operator's well number E-915 Arlie Wade
- 3) API Well No: 47 - 033 - 3859
State - County - Permit

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

- | | |
|--|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Arlie R. Wade</u>
Address <u>Route 1, Box 345</u>
<u>Wallace, WV 26448</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name <u>no coal owner with declaration</u>
Address _____</p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
| <p>6) Inspector <u>Tim Bennett</u>
Address <u>737 Karl Street</u>
<u>Weston, WV 26452</u>
Telephone <u>(304)-269-6167</u></p> | |

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)

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

Well Operator EMAX Oil Company
By: Richard H. Martin
Its: Geologist
Address P. O. Box 112
Salem, WV 26426
Telephone 304-623-9600

Subscribed and sworn before me this 30th day of October, 1991

Roger Zinn Notary Public
My commission expires April 23, 1993