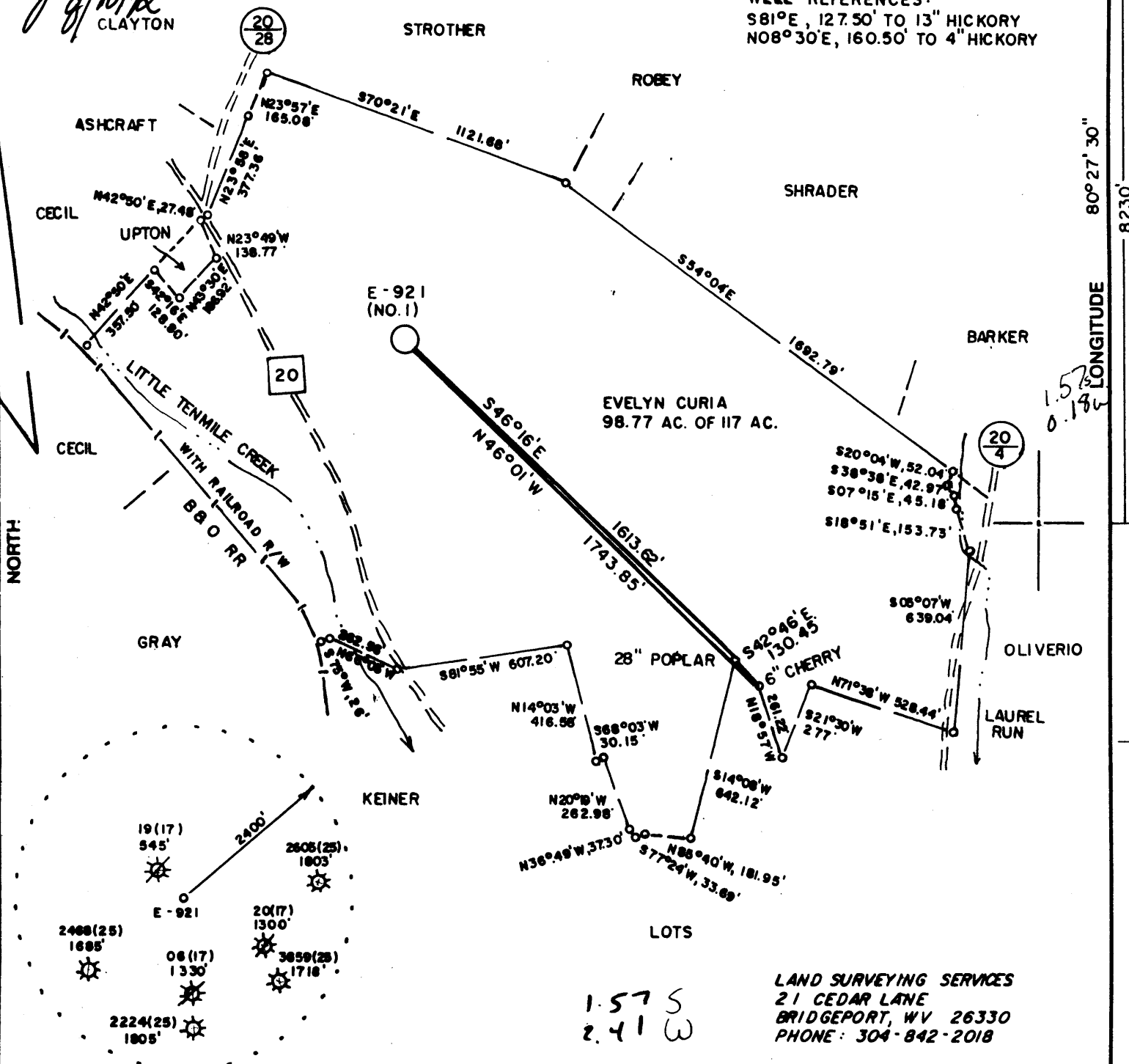


WELL REFERENCES:
S81°E, 127.50' TO 13" HICKORY
N08°30'E, 160.50' TO 4" HICKORY

Jamie
9/10/92
CLAYTON



LONGITUDE 80° 27' 30"

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

(+) 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 BM 1600 S. OF
 LOCATION ELEV. 1003'

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) _____
 R.P.E. _____ L.L.S. 674
 STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MARCH 13, 1992
 OPERATOR'S WELL NO. E-921
 API WELL NO. 47-033-3899 CURIA NO. 1

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X ___
 LOCATION: ELEVATION 1102' WATERSHED LITTLE TENMILE CREEK
 DISTRICT SARDIS COUNTY HARRISON
 QUADRANGLE WALLACE 7.5 min. Charlesburg WC
 SURFACE OWNER FREDERICK D. BELKNAP ACREAGE 96.41
 GAS ROYALTY OWNER EVELYN CURIA LEASE ACREAGE 117
 LEASE NO. 2559

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 ___
 FORMATION BENSON ESTIMATED DEPTH 5200'
 OPERATOR EMAX OIL COMPANY DESIGNATED AGENT JOHN HASKINS
 P.O. BOX 112 ADDRESS 4747 P.O. BOX 112
 SALEM, WV 26426 SALEM, WV 26426

AUG 14 1992

COUNTY NAME

PERMIT

RECEIVED

WV Division of Environmental Protection

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

OCT 14 92

Permitting

Well Operator's Report of Well Work

Farm name: BELKNAP, FREDERICK D

Operator Well No.: E 921 CURIA 1

LOCATION: Elevation: 1102.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON
Latitude: 8230 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 1020 Feet West of 80 Deg. 27 Min. 30 Sec.

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

Agent: JOHN T. HASKINS

Inspector: TIM BENNETT
Permit Issued: 08/10/92
Well work Commenced: 08/18/92
Well work Completed: 08/23/92

Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5130
Fresh water depths (ft) 15', 348, 650

Salt water depths (ft) 0

Is coal being mined in area (Y/N)?
Coal Depths (ft): 180-183, 304-308, 387-390
412-417, 456, 462

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	38'		
8 5/8		1104	to surface
4 1/2		5061	400 sks

OPEN FLOW DATA

Speechley

Producing formation Benson, Bradford, Balltown Pay zone depth (ft) 3605-4956
Gas: Initial open flow n/t MCF/d Oil: Initial open flow n/a Bbl/d
Final open flow 440 MCF/d Final open flow n/a Bbl/d
Time of open flow between initial and final tests n/a Hours
Static rock Pressure 1270 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.

Reviewed TMG
Recorded _____

For: EMAX OIL COMPANY

By: John T. Haskins
Date: 10/2/92

NOV 6 1992

Benson: perforated from 4950-4956 with 12 holes. Water fraced with 30,000# sand in 298 bbl water.
Bradford: perforated from 4345-4350 with 12 holes. Water fraced with 30,000# sand in 298 bbl H2O.
Balltown: perforated from 3810-3832 with 12 holes. Water fraced with 35,000# sand in 376 bbl H2O.
Speechley: perforated from 3605-3609 with 10 holes. Water fraced with 25,000# sand in 258 bbl H2O.

Clay	0	15
Sand & shale	15	180
Coal <i>1679 M</i>	180	183
Sand & shale	183	304
Coal <i>M</i>	304	308
Sand & shale	308	387
Coal <i>M</i>	387	390
Sand & shale	390	412
Coal <i>M</i>	412	417
Sand & shale	417	456
Coal <i>1526 M</i>	456	462
Sand & shale	462	585
Coal <i>1272 P&H</i>	585	595
Sand & shale	595	1857
Big Lime	1857	1925
Big Injun	1925	2002
Sand & shale	2002	2476
50 foot	2476	2529
Sand & shale	2529	2570
30 foot	2570	2619
Sand & shale	2619	2640
Gordon	2640	2741
Sand & shale	2741	2788
4th Sand	2788	2795
Sand & shale	2795	3466
Speechley	3466	3616
Sand & shale	3616	3772
Balltown	3772	3844
Sand & shale	3844	5130 TD

RECEIVED

WV Division of
Environmental Protection

OCT 14 92

Permitting
Office of Oil & Gas

813011

033-3899

FORM WW-23

3 1

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

Page of
Issued 8/10/92
Expires 8/10/94

- 1) Well Operator: EMAX Oil Company 15475 (7) 654
- 2) Operator's Well Number: E-921 Curia #1 3) Elevation: 1102
- 4) Well type: (a) Oil or Gas /
- (b) If Gas: Production / Underground Storage /
- Deep Shallow
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 214'
- 8) Approximate salt water depths: 1200', 1552', 1923'
- 9) Approximate coal seam depths: 214'-218' 544'-597' 347'-351'
- 105'-1060' 712'-715' 404'-493' 513'-517'
- 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
	Size	Grade	Weight per ft.	For drilling / Left in well	
Conductor	11 3/4			30	
Fresh Water					380SP/11.3
Coal					380SP/11.22
Intermediate	8 5/8			1090' / 1090'	to surface
Production	4 1/2			5000	600 sks
Tubing					380SP/11.1
Liners					

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat: WW-9 WW-23 Bond LC Blanket Agent: _____
(Type)

3184
29

JUL 31

- 1) Date: July 29, 1992
- 2) Operator's well number
E-921 Curia #1
- 3) API Well No: 47 - 033 - 3899
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 Frederick D. Belknap
Address Route 1, Box 167 A
Lost Creek, WV 26385
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____

- 6) Inspector Tim Bennett
Address 737 Karl Street
Weston, WV 26452
Telephone (304)-269-6167

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name no coal owner with declaration
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
 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 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 28th day of July, 1992

Roger D. Zinn Notary Public
 My commission expires April 23, 1993