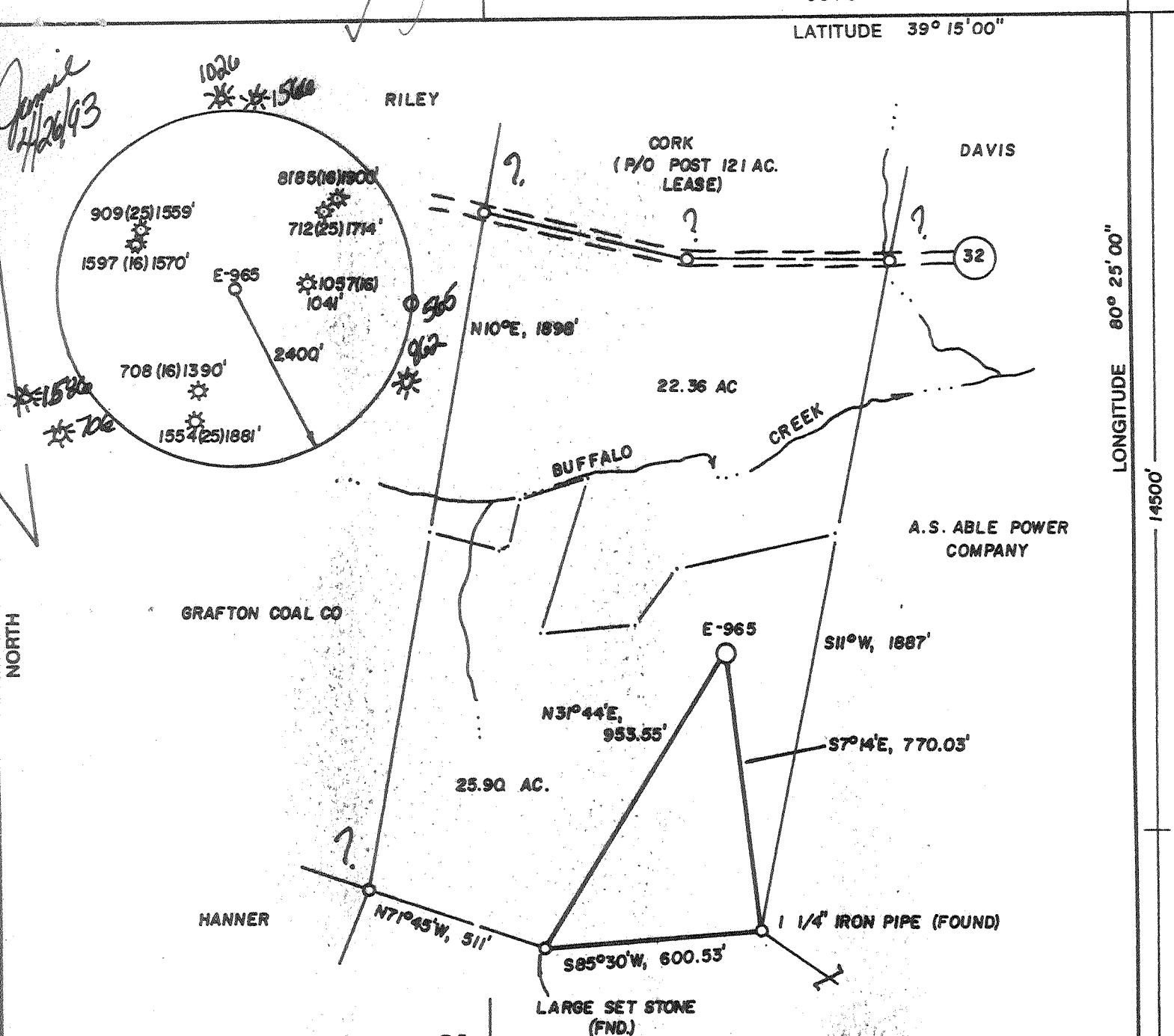


Janice 11/26/93



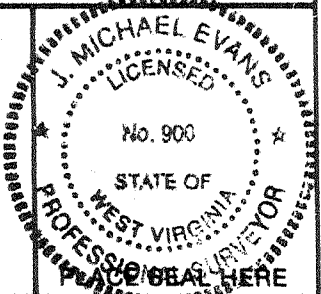
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

7.5

*2765
1.20*

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION RD. JCT. 1153' NE. OF LOC. AT ELEV. 1040'

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. 900



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE DECEMBER 10, 19 92
 OPERATOR'S WELL NO. E-965
 API WELL NO. POST 1

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1152' WATERSHED BUFFALO CREEK
 DISTRICT UNION COUNTY HARRISON
 QUADRANGLE WEST MILFORD

SURFACE OWNER GRAFTON COAL CO. ACREAGE 25.90
 OIL & GAS ROYALTY OWNER ISAAC POST HRS. LEASE ACREAGE 121
 LEASE NO. 52851

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6 151

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BENSON ESTIMATED DEPTH 4500'
 WELL OPERATOR EMAX OIL CO. DESIGNATED AGENT JOHN HASKINS
 ADDRESS P. O. BOX 112 4747 ADDRESS P. O. BOX 112
 SALEM, WV 26426 SALEM, WV 26426

LONGITUDE 80° 25' 00"

14500'

COUNTY NAME

PERMIT

FORM WV-6

JUL 13 1997

Permitting
 Office of Oil & Gas

State of West Virginia
 DEPARTMENT OF ENERGY
 Division of Oil and Gas
 Well Operator's Report of Well Work

Farm name: GRAFTON COAL COMPANY

Operator Well No: ISAAC POST #1 EMAX
 E-965

Location: Elevation: 1152'

Quadrangle: WEST MILFORD

District: UNION
 Latitude: 14500' SOUTH OF 39°15'00"
 Longitude: 9075' WEST OF 80°25'00"

County: HARRISON

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

Agent: JOHN T. HASKINS

Inspector: TIM BENNETT
 Permit Issued: 04/26/93
 Well Work Commenced: 10/18/93
 Well Work Completed: 10/29/93
 Verbal Plugging
 Permission granted on: N/A
 Rotary X Cable Rig
 Total Depth (feet) 4510 FT.
 Fresh water depths (ft) 707 FT.

Salt water depths (ft) N/A

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	40	40	N/A
8-5/8"	866	866	280 SKS
4-1/2"	4458	4469	355 SKS

OPEN FLOW DATA

Producing formation BENSON, BRADFORD Pay zone depth (ft) 3774-4377'
 Gas: Initial open flow 231 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 910 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 20 Hours
 Static rock Pressure 1515 psig (surface pressure) after 48 Hours

Second Producing formation BALLTOWN, SPEECHLEY Pay zone depth (ft) 2949-3292'
 Gas: Initial open flow COMMINGLED MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow COMMINGLED MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests COMMINGLED Hours
 Static rock Pressure COMMINGLED psig (surface pressure) after COMMINGLED 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: Richard H. Monte

Date: 6/30/97

JUL 14 1997

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

BENSON - Perfs: 4369-77 ft. (20 holes), Gelled water frac with 45,000 lbs 20/40 mesh sand in 410 bbls of total sand laden fluid. ISIP: 1456 psi, 5 min: 1400 psi. N2 assist with 67,000 scf.

BRADFORD - Perfs: 3774-84 ft. (20 holes), Gelled water frac with 20,000 lbs 20/40 mesh sand in 205 bbls of total sand laden fluid. ISIP: 1240 psi, 5 min: 1204 psi.

BALLTOWN - Perfs: 3270-76 ft. (12 holes), & 3287-92 ft. (10 holes), & 3300-06 ft. (12 holes), Gelled water frac with 40,000 lbs 20/40 mesh sand in 444 bbls of total sand laden fluid. ISIP: 1033 psi, 5 min: 966 psi.

SPEECHLEY - Perfs: 2949-53 ft. (8 holes), & 3040-3046 ft. (12 holes), Gelled water frac with 40,000 lbs of 20/40 mesh sand in 473 bbls of total sand laden fluid. ISIP: 1240 psi, 5 min: 1204 psi.

FORMATION	TOP	BOTTOM
Big Lime	1439	1604
5th Sand	2342	2354
Upper Speechley	2948	2965
Speechley	3040	3055
Balltown	3266	3312
Bradford	3750	3803
Benson	4361	4428

033-3933

Issued 04/26/93

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

Expires 04/26/93

- 1) Well Operator: EMAX Oil Company 15475 (C) 668
- 2) Operator's Well Number: E-965 3) Elevation: 1152
- 4) Well type: (a) Oil or Gas /
(b) Is Gas: Production / Underground Storage
Deep / Shallow
- 5) Proposed Target Formation(s): Benson 435
- 6) Proposed Total Depth: 4500 feet
- 7) Approximate fresh water strata depths: 76', 92'
- 8) Approximate salt water depths: None Reported
- 9) Approximate coal seam depths: 297'-302', 407'-400'
- 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.	Per drilling		Left in well
Conductor	11 3/4			30'		
Fresh Water						
Coal						
Intermediate	8 5/8				850	to surface.
Production	4 1/2				4480	350 sks
Tubing						
Liners						

5-38CSP/8/2.3
2-38CSP/8/2.2
38CSP/8/1.1

RECEIVED

WV Division of Environmental Protection

APR 29 1993

Permitting Office of Oil & Gas

PACKERS : Kind _____
Size _____
Depth set _____

Per Division of Oil and Gas Use Only

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

Print WV-9 WV-23 Bond CD Blanket Agent

(Type)

17065

25/10/96

1) Date: April 5, 1993
2) Operator's well number
E-965 Post #1
3) API Well No: 47 - 033 - 3933
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Grafton Coal Company
Address P. O. Box 2150
Clarksburg, WV 26301
(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 Grafton Coal Company
Address P. O. Box 2150
Clarksburg, WV 26301
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 _____ 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 EMAX Oil Company
By: David Mitchell
Its: Landman
Address P. O. Box 112
Salem, WV 26426
Telephone 304-623-9600

RECEIVED
WV Division of
Environmental Protection
APR 09 93
Permitting
Office of Oil & Gas

Subscribed and sworn before me this 5th day of April, 1993

Roger Zinn
My commission expires April 23, 1993 Notary Public