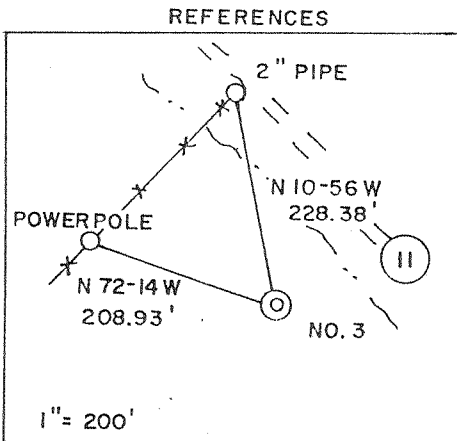
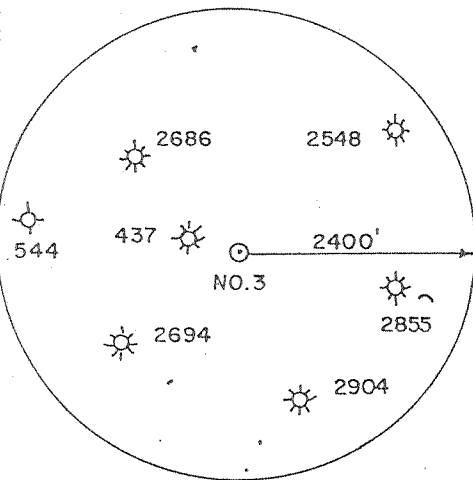
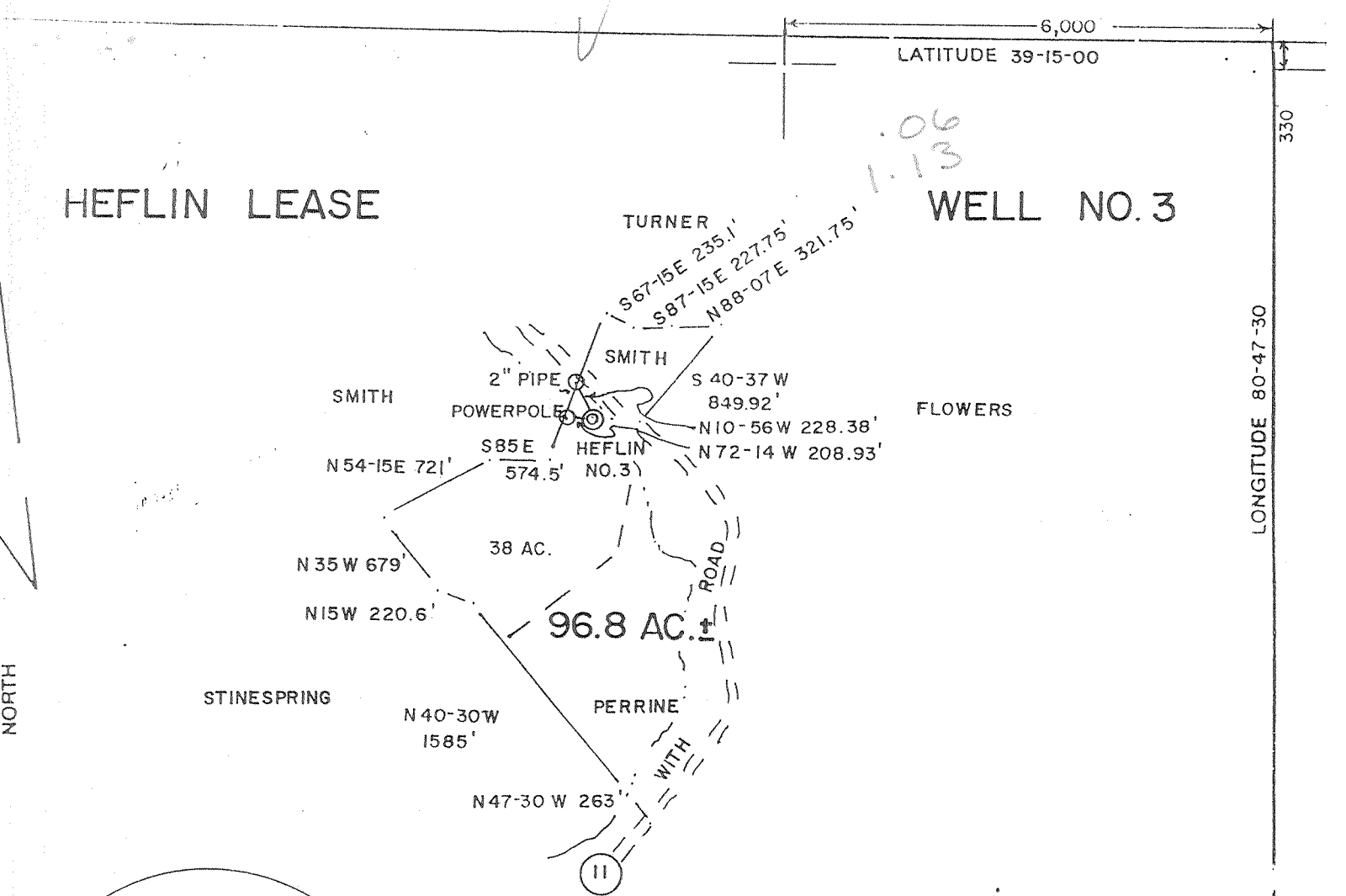


HEFLIN LEASE

WELL NO. 3



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JUNCT ROADS 878'

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) M. Allen Jordan
 R.P.E. _____ L.L.S. 959

PLACE SEAL HERE

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

DATE FEB 1, 2001
 OPERATOR'S WELL NO. HEFLIN NO. 3
 API WELL NO. 47-017-04576
 STATE 47 COUNTY 017 PERMIT 04576

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOC. ELEVATION 850' WATERSHED RIGHT FORK ARNOLD CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5'

SURFACE OWNER VERNON and SHARON RUSSELL ACREAGE 38 of 96.8
 OIL & GAS ROYALTY OWNER ADA PEARL HEFLIN et als. LEASE ACREAGE 96.8

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMAT. IN PERFORAT. NEW FOR ATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPL. _____
 TARGET FORMATION Riley, Alexander ESTIMATED DEPTH 5496'
 WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGEN W. J. PALETT
 ADDRESS 501 56th ST CHARLESTON, WY 26304 ADDRESS BOX 820 GENVILLE, WY 26351

COUNTY NAME DODDRIDGE
 P. No. 4576

APR 06 2001

(STRAIGHT FORK - PLEWSTONE CREEK FIELD 123)

JB

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm name: Vernon & Sharon Russell

Operator Well No.: Heflin #3

LOCATION: Elevation: 850'
District: West Union
Latitude: N 39° 15' 00"
Longitude: E 80° 47' 30"

Quadrangle: Oxford 7.5'
County: Doddridge

Company: EASTERN AMERICAN ENERGY CORPORATION
501 56th Street
Charleston, WV 25328

Agent: John. M. Paletti

Inspector: Mike Underwood

Permit Issued: 04/05/2001

Well work commenced: 09/29/2001

Well work completed: 10/17/2001

Verbal plugging

permission granted on:

Rotary Cable Rig

Total Depth (feet) 5154'

Fresh water depths (ft) N/A

Salt-water depths (ft) N/A

Is coal being mined in area? (Y/N)_No

Coal Depths (ft)_N/A

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	20'	20'	Sanded in
9-5/8"	222'	222'	75 sxs
7"	1592'	1592'	175 sxs
4-1/2"	5071'	5071'	?? sxs

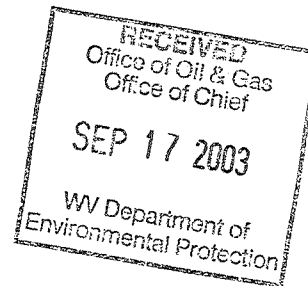
OPEN FLOW DATA

Gas: Initial open flow 64 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 110 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 14 days

Static rock pressure N/A psi (surface pressure) after 24 Hours

1 st Producing Formation <u>Alexander</u>	Pay zone depth (ft) <u>4941' - 4986'</u>
2 nd Producing Formation <u>Benson/ 3rd Riley</u>	Pay zone depth (ft) <u>4457' - 4658'</u>
3 rd Producing Formation <u>Riley/ Lower Balltown</u>	Pay zone depth (ft) <u>4085' - 4262'</u>
4 th Producing Formation <u>Upper Balltown</u>	Pay zone depth (ft) <u>3615' - 3626'</u>



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.

John Paletti, AGENT
For: EASTERN AMERICAN ENERGY CORPORATION

By: John Paletti
Date: 9-11-03

SEP 19 2003

Dodd 4576

STAGE ONE: Alexander

20 holes (4941' – 4986')
25# Viking X-Link gel and 36,000# 20/40 sand

STAGE TWO: Benson/ 3rd Riley

16 holes (4457' – 4658')
25# Viking X-Link gel and 25,500# 20/40 sand

STAGE THREE: Riley / Lower Balltown

18 holes (4085' – 4262')
25# Viking X-Link gel and 31,000# 20/40 sand

STAGE FOUR: Upper Balltown

12 holes (3615' – 3626')
25# Viking X-Link gel and 6,000# 20/40 sand

FORMATION, COLOR, HARD OR SOFT	TOP FEET	BOTTOM FEET	<u>REMARKS</u>
Letdown	0	7	
Fill	7	15	
Shale	15	75	½" @ 45'
Sand	75	80	
Red Rock	80	130	
Sand	130	175	2" @ 170'
Shale	175	190	
Sand	190	270	
Shale	270	325	
Sandy Shale	325	420	
Red Rock	420	525	¼" @ 480'
Sand	525	540	
Grey Shale	540	570	
Red Rock	570	650	
Shale	650	970	
Sandy Shale	970	990	
Red Rock / Shale	990	1010	
Sandy Shale	1010	1020	
Sand	1020	1040	
Shale	1040	1050	
Sand	1050	1066	
Sandy Shale	1066	1100	
Sand	1100	1144	
Shale	1144	1160	
Sandy Shale	1160	1200	
Shale	1200	1230	
Sandy Shale	1230	1270	
Sand	1270	1325	
Red Rock / Shale	1325	1345	
Sandy Shale	1345	1450	
Shale	1450	1500	
Sandy Shale	1500	1570	
Shale	1570	1590	
Sand	1590	2000	Gas Ck 2000' No show
Lime	2000	2100	
Shale	2100	2350	Gas Ck 2274' No show
Sandy Shale	2350	2450	
Sand	2450	2500	
Shale	2500	2700	Gas Ck 2700' 2/10ths
Sandy Shale	2700	2800	
Sand	2800	2900	
Shale	2900	2980	
Sand	2980	3140	Gas Ck 3000' 2/10ths
Shale	3140	3170	
Sand	3170	3200	
Sandy Shale	3200	3260	
Shale	3260	3300	
Sandy Shale	3300	3450	Gas Ck 3400' 2/10ths
Shale	3450	3600	
Sand	3600	4400	Gas Ck 3700' 2/10ths, 4000' 2/10ths, 4300' 2/10ths, 5000' 4/10ths

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