

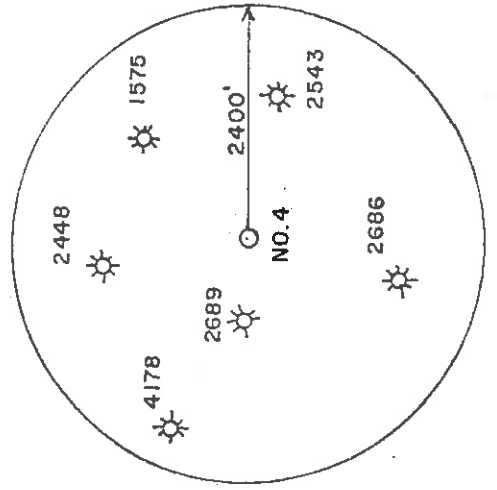
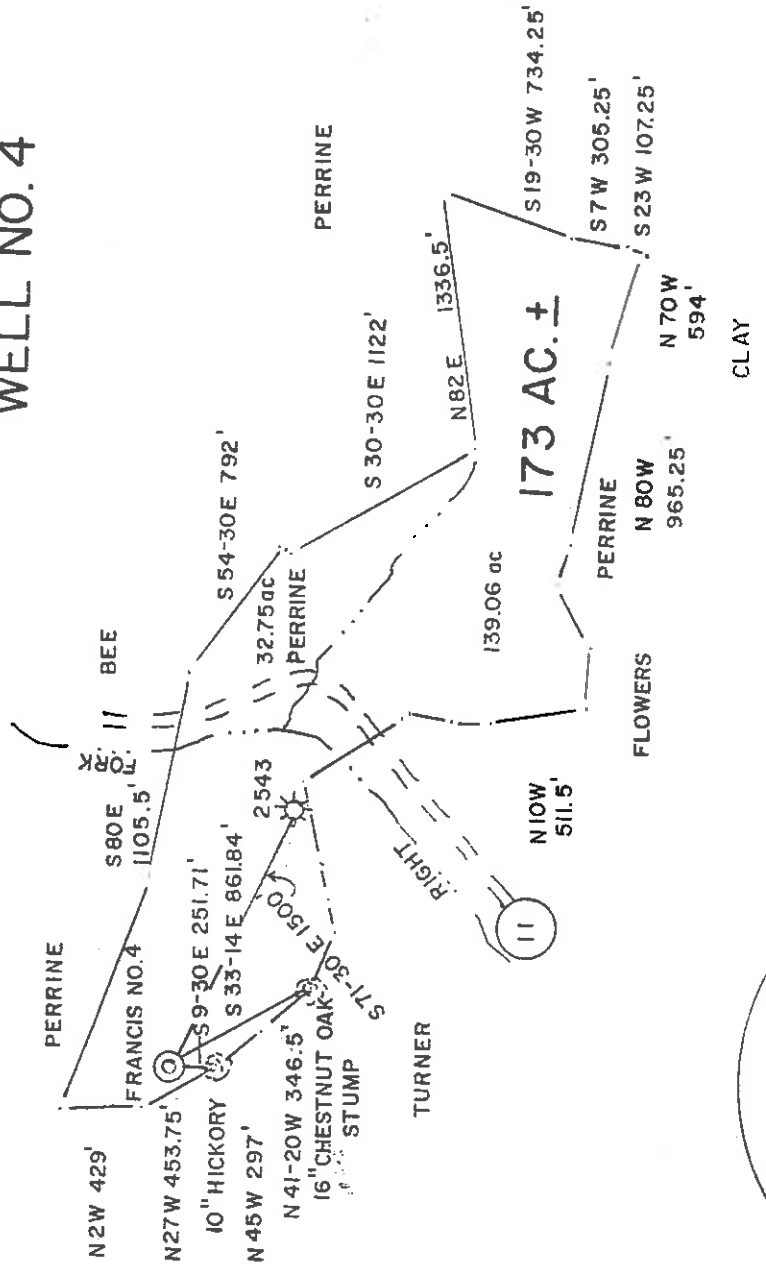
LATITUDE 39-17-30

6800'

LONGITUDE 80-47-30

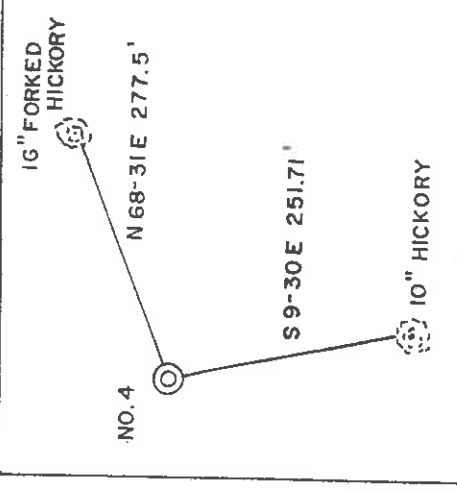
FRANCIS LEASE

WELL NO. 4



2.43
1.28

REFERENCES



(+) 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 TOP OF KNOB ELEV. 1145

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND BELIEF A.J. 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 JAN 28, 2001
 OPERATOR'S WELL NO. FRANCIS NO. 4
 API WELL NO. _____

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHAL' O X
 LOCATION: ELEVATION 1175' WATER HEAD RIGHT FORK ARNOLDS CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE

OWNER ALLEN BRITTON
 COUNTY STATE COUNTY PERMIT
 47 - 017 - 04578
 CREAGE 139.06 of 173
 LEASE AREA E 173

PROPOSED WORK: DRILL X CONVERT X PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Riley, Alexander
 LEASE NO. _____

PLUG AND ABANDON C E AN OU. AND REPLUG.
 TARGET FORMATION Alexander STIMAT DEPTH 5463'
 WELL OPERATOR WESTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN PALETTI
 ADDRESS 501 56th ST. CHARLES, WV 25304 ADDRESS E 820 GLENVILLE, WV 26351

D000 COUNTY NAME 4578 PERMIT

6-6-133 APR 06 2001

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

Operator Well No.: FRANCIS #4

Farm name: BRITTON, ALLEN
LOCATION: Elevation: 1175.00
District: WEST UNION
Latitude: 12,850 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 6,800 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY CORPORATION
P O BOX 820
GLENVILLE WV 26351

Agent: JOHN PALETTI

Inspector: MIKE UNDERWOOD
Permit Issued: 04/04/01
Well work commenced: 04/28/01
Well work completed: 05/09/01

Verbal plugging permission granted on:
Rotary Cable ___ Rig
Total Depth (feet) 5428'
Fresh water depths (ft) 650'
Salt water depths (ft) NONE
Is coal being mined in area? (Y/N) N
Coal Depths (ft) none

OPEN FLOW DATA

Producing Formation ALEXANDER

Gas: Initial open flow 327 MCF/d Oil:

Final open flow 516 MCF/d

Time of open flow between initial and final tests 72 Hours

Static rock pressure 1050 psi (surface pressure) after 72 Hours

Pay zone depth (ft) 5371' - 5306'

Initial open flow N/A Bbl/d

Final open flow N/A Bbl/d

2nd Producing Formation BENSON/3RD RILEY Pay zone depth (ft) 5048' - 4965'

3rd Producing Formation RILEY

Pay zone depth (ft) 4647' - 4628'

4th Producing Formation BALLTOWN

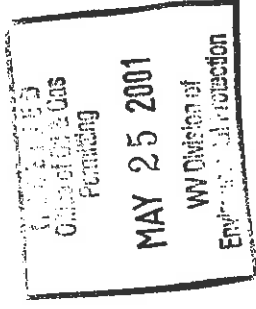
Pay zone depth (ft) 4019' - 4000'

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

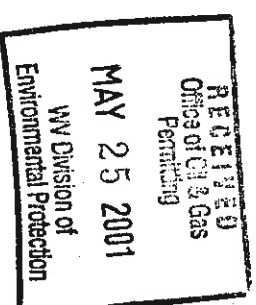
By: John Paletti / kst
Date: MAY 24, 2001

JUN - 1 2001



FORMATION, COLOR, HARD OR SOFT	TOP	BOTTOM	REMARKS
	FEET	FEET	
KB & Fill	0	12	
Sand & Siltstone	12	166	
Shale with trace Siltstone	166	441	
Sand	441	466	
Shale with trace Sand	466	577	
Sand	577	629	
Shale & Sand	629	756	1/4" water at 650'
Shale	756	932	
Sand with some Shale	932	1069	
Shale with trace Sand	1069	1213	
Sand	1213	1243	
Shale	1243	1367	
Sand with some Shale	1367	1600	
Shale	1600	1662	
Shale & Sand	1662	2052	
Big Lime	2052	2130	
Keener	2130	2168	
Big Injun	2168	2195	
Shale	2195	2351	
Weir	2351	2467	
Shale	2467	2551	
Berea	2551	2556	
Shale	2556	2756	
Gordon	2756	2797	
Shale	2797	3416	
Warren	3416	3475	
Shale	3475	3497	
Spechtley	3497	3597	
Shale	3597	3979	
Balltown	3979	4066	
Shale	4066	4601	
Riley	4601	4650	
Shale with Siltstone	4650	4955	
Third Riley	4955	5004	
Shale	5004	5039	
Benson	5039	5067	
Shale	5067	5284	
Alexander	5284	5374	5274' 2/10 through 2" with water
Shale	5374	5428	
TD	5374	5428	DC 4/10 through 1" with water

Gas checks from 1909' to 4926' were non-measurable.



FRANCIS #4 WR35

STAGE ONE: ALEXANDER

20 holes (5371' - 5306')
25# cross link fluid and 35,000# 20/40 sand. Breakdown occurred at 1778 psi.

STAGE TWO: BENSON/3RD RILEY

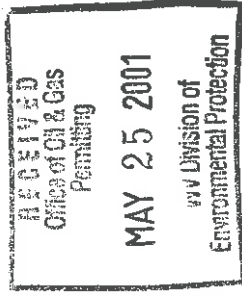
12 holes (5048' - 4965')
25# cross link fluid and 25,000# 20/40 sand. Breakdown occurred at 1619 psi.

STAGE THREE: RILEY

10 holes (4647' - 4628')
25# cross link fluid and 22,000# 20/40 sand. Breakdown occurred at 2302 psi.

STAGE FOUR: BALLTOWN

16 holes (4019' - 4000')
25# cross link fluid and 20,000# 20/40 sand. Breakdown occurred at 2327 psi.



JUN -1 2001

DODD 4578

