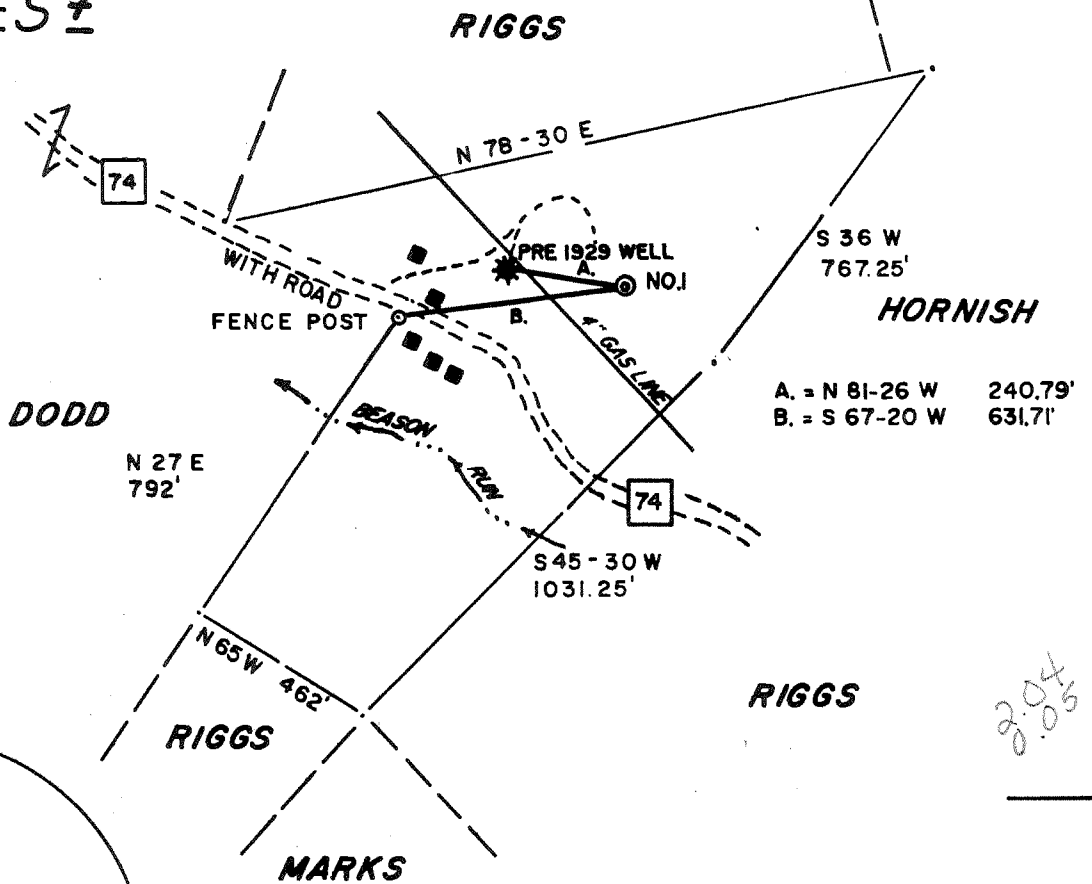


Janice 9/17/91

CARNEGIE/HOGUE LEASE

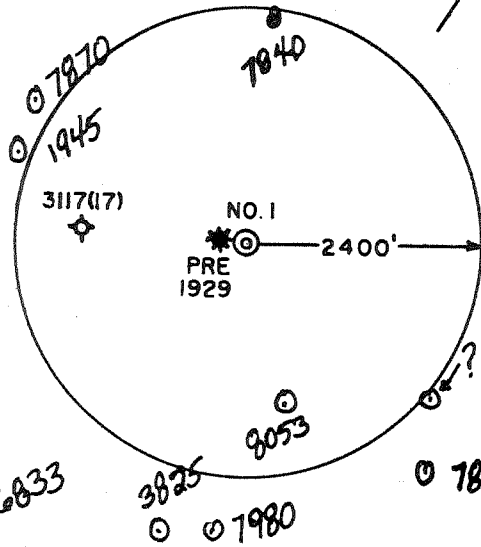
WELL NO. 1

15 ACRES ±

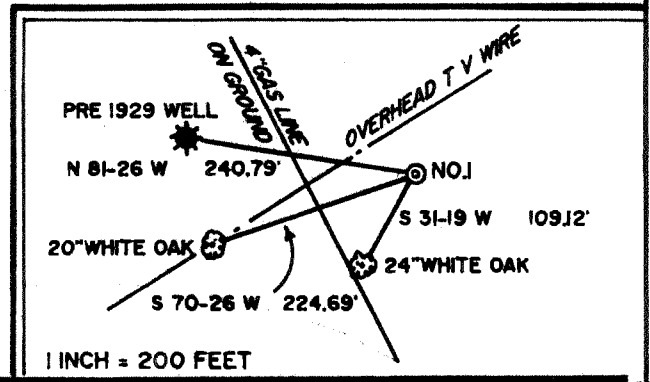


LONGITUDE 80-57-30

NORTH

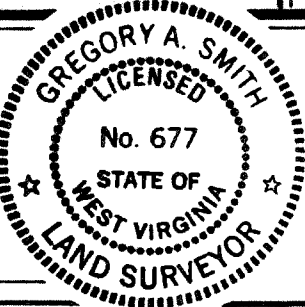


REFERENCES



SLS Formerly 095-08080

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.



L.L.S. 677 Gregory A. Smith

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JANUARY 9, 1991
 OPERATORS WELL NO. CARNEGIE/HOGUE NO. 1
 WVRIT00721
 API WELL NO. 47-095-08290
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2562 (34-56)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 805' SCALE 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 94' WATERSHED BEASON RUN
 DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PULLMAN 7.5'

SURFACE OWNER WANEMA RIGGS ACREAGE 15 Holbrook rd
 ROYALTY OWNER WANEMA RIGGS LEASE ACREAGE 15

PROPOSED WORK: LEASE NO. WV01926 - +
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5125'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501 56th ST. CHARLESTON, WV 25304

COUNTY NAME RIT PERMIT 8080

259 6-6-129

JUL 25 1994
Permitting
Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm name: RIGGS, WANEMA Operator Well No.: HOGUE #1

LOCATION: Elevation: 941.00 Quadrangle: PULLMAN

District: CLAY County: RITCHIE
Latitude: 10770 Feet South of 39 Deg. 15Min. Sec.
Longitude 290 Feet West of 80 Deg. 57 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY C
P.O. BOX 820
GLENNVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: SAM HERSMAN
Permit Issued: 11/26/93
Well work Commenced: 04/10/94
Well work Completed: 04/24/94
Verbal Plugging
Permission granted on:
Rotary xx Cable _____ Rig
Total Depth (feet) 5137'
Fresh water depths (ft) 50', 824'

Salt water depths (ft) 1402'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	218'	218'	CTS 110 sxs
8-5/8"	982.30'	982.30'	CTS 250 sxs
4-1/2"	---	5024.45'	240 sxs

OPEN FLOW DATA

(Commingled)

Alexander, Benson, Riley,

4980.5'

Producing formation Bradford Pay zone depth (ft) 4260'
Gas: Initial open flow 484 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 596 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1400 psig (surface pressure) after 24 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.

Mark Jenkins
For: EASTERN AMERICAN ENERGY CORP.

By: Senior Drilling Supervisor

Date: 7-22-94

JUL 26 1994

2 Stage Frac

Stage One - Alexander/Benson: 16 holes (4692.5'-4980.5'), fraced w/energized water, 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 100,000 scf of N2.

Stage Two - Riley/Bradford: 18 holes (4260'-4343'), fraced w/energized water, 30 lbs gel/1000 gals, 37,200 lbs of 20/40 sand, 500 gals of 15% HCL acid and 90,000 scf of N2.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	3	
Sandy Shale			3	7	
Shale			7	12	
Red Rock			12	15	
Sandy Shale			15	25	
Sand			25	30	
Sandy Shale			30	142	1/2" H2O @ 50'
Red Rock			142	151	Hole Damp @ 824'
					Soap Hole @ 1439'
Sandy Shale			151	177	
Sand and Lime			177	205	
Red Rock			205	211	<u>Gas Checks:</u>
Sand			211	232	1635' - No Show
Sandy Shale			232	280	1700' - Oil Odor
Red Rock and Shale			280	310	1916' - No Show
Sandy Shale			310	376	2041' - No Show
Red Rock			376	383	2419' - No Show
Sandy Shale			383	503	2767' - 2/10 thru 1" w/ H2O
Red Rock			503	511	3115' - 2/10 thru 1" w/H2O
Sandy Shale			511	525	3688' - 2/10 thru 1" w/H2O
Sand			525	535	4158' - 6/10 thru 1" w/H2O
Sandy Shale			535	659	4442' = 6/10 thru 1" w/H2O
Red Rock			659	679	4601' - 6/10 thru 1" w/H2O
Sand			679	694	4792' - 6/10 thru 1" w/H2O
Red Rock			694	701	TD - 8/10 thru 1" w/H2O
Shale			701	746	DC - 6/10 thru 1" w/H2O
Sandy Shale			746	881	
Red Rock			881	892	
Sandy Shale			892	918	
Sand			918	979	
Red Rock			979	986	
Sandy Shale			986	1130	
Sand			1130	1163	
Shale			1163	1994	1194
Sand w/trace Shale			1194 1994	1397	
Sand w/Shale			1397	1763	
Big Lime			1763	1817	

(Attach separate sheets as necessary)

JUL 28 1994

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Keener			1817	1873	
Big Injun			1873	1912	
Shale			1912	2136	
Weir			2136	2196	
Shale			2196	2276	
Berea			2276	2279	
Shale w/trace Sand			2279	3211	
Warren			3211	3273	
Shale w/trace Siltstone			3273	4320	
Riley			4320	4360	
Shale			4360	4688	
Benson			4688	4697	
Shale			4697	4925	
Alexander			4925	4999	
Shale			4999	5137	
Total Depth:				5137	

JUL 28 1994

18304