

KESTER DIVERS LEASE 103 ACRES± WELL # 2

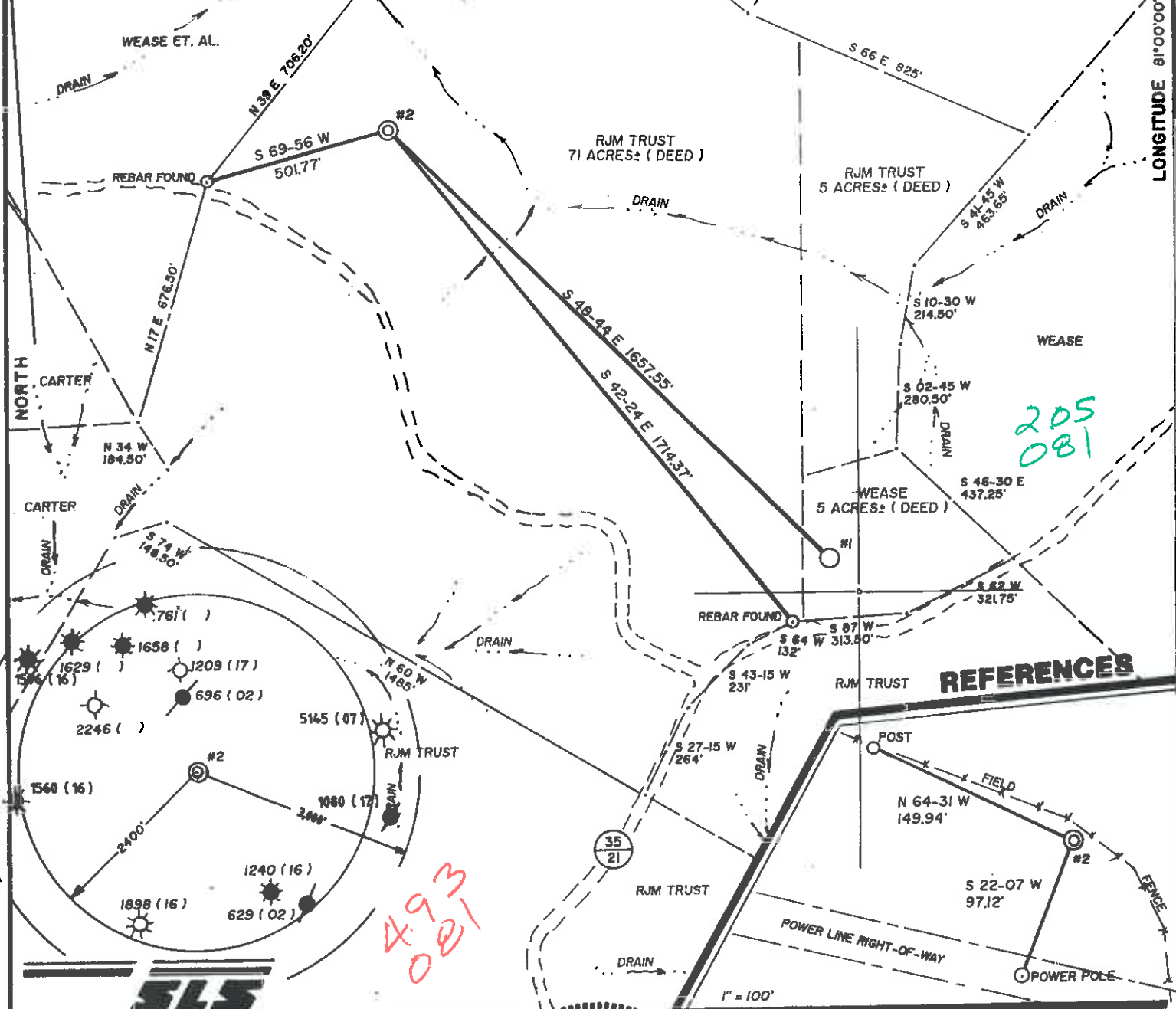
N 87 E 214.5'

LATITUDE 38°57'30"

WEASE ET. AL.

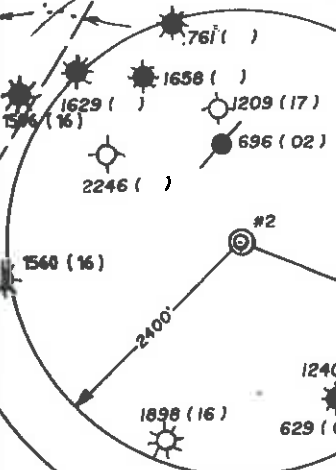
RJM TRUST

LONGITUDE 108°01'



NORTH

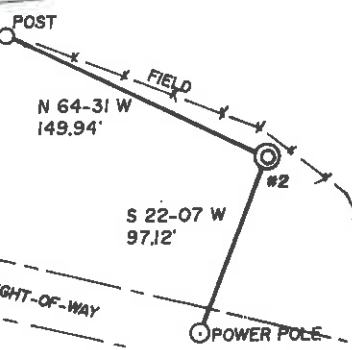
CARTER



205
081

493
081

REFERENCES



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

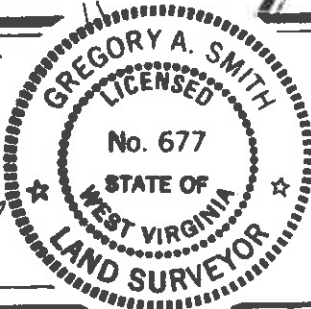
DATE SEPTEMBER 21, 19 94

OPERATORS WELL NO. DIVERS # 2

API WELL NO. 47 - 013 - 04278
STATE COUNTY PERMIT

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. Gregory A. Smith
677



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3283 (43-57)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1065' 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 1055' WATERSHED CHERRY FORK OF LAUREL CREEK
DISTRICT SHERMAN COUNTY CALHOUN QUADRANGLE GRANTSVILLE 7.5'
SURFACE OWNER RJM TRUST ACREAGE 71
ROYALTY OWNER KESTER DIVERS ET. AL. LEASE ACREAGE 71 OF 103
PROPOSED WORK: LEASE NO. _____
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 MARCELLUS SHALE
ESTIMATED DEPTH 6200'

WELL OPERATOR ANGERMAN ASSOCIATES, Inc. DESIGNATED AGENT WILLIS J. MAXWELL
ADDRESS 109 ZETA Dr. PITTSBURGH, PA 15238 ADDRESS Rt. 65 BOX 7 GLENVILLE, WV 26351

6-6 175

575

COUNTY NAME PERMIT

MAR 25 1996

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: RJM TRUST

Operator Well No.: KESTER DIVERS#2

LOCATION: Elevation: 1,055.00 Quadrangle: GRANTSVILLE

District: SHERMAN County: CALHOUN
Latitude: 10800 Feet South of 38 Deg. 57Min. 30 Sec.
Longitude 4320 Feet West of 81 Deg. 0 Min. 0 Sec.

Company: ANGERMAN ASSOC., INC.
109 ZETA DRIVE
PITTSBURGH, PA 15238-0000

Agent: WILLIS J. MAXWELL

Inspector: DEO MACE
Permit Issued: 11/30/95
Well work Commenced: 1/29/96
Well work Completed: 2/4/96
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 6327' LTD-KB
Fresh water depths (ft) 1/4" @ 50';
1/2" @ 170', damp @ 1950'
Salt water depths (ft) None noted

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill U Cu. Ft
Size			To Surfa
11-3/4"	216.50'	216.50'	w/125 sk Class A
8-5/8"	2225.80'	2225.80'	To Surfa w/500 sk Class A
4-1/2"	6269.25'	6269.25'	610 sks. 75/25/PC

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

OPEN FLOW DATA

Producing formation Speechley through Shales Pay zone depth (ft) 3449'
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 880 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hour
Static rock Pressure N/A psig (surface pressure) after _____ Hour

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 _____ Hour
Static rock Pressure _____ psig (surface pressure) after _____ Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE 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: ANGERMAN ASSOC., INC.

By: Paul M. Herzing, Staff Petroleum Engineer
Date: March 18, 1996

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

Well Operator's Report of Well Work

Farm Name: RJM Trust
Permit No.: 47-013-04278

Operator Well No.: Kester Divers #2

Details of Perforated Intervals, fracturing or stimulating, physical change, etc.

<u>Formation</u>	<u>Perforations</u>	<u>20/40 Sand Pounds</u>	<u>Treatment Volume Foam Bbl.</u>	<u>Rate bpm</u>	<u>Wlhd Pressure psig</u>
Elk Shales	5246-6242 (20)	40	732	5.9	3754
Alexander	5057-5104 (14)	30	736	8.4	3293
Riley-Benson	4524-4839 (16)	37	896	9.9	3131
Speechley- Balltowns	3449-4248 (18)	50	1,000	11.0	2503

Well Log

<u>Formation Coal Hard or Soft</u>	<u>Top Feet</u>	<u>Bottom Feet</u>	<u>Remarks (Including indication of all fresh and salt water, coal, oil and gas</u>
Dirt	0	10	
Sand & Shale	10	50	¼" @ 50'
Shale & Red Rock	50	75	
Sand & Shale	75	165	
Red Rock	165	190	½" @ 170'
Sand & Shale	190	228	
Sand	228	325	
Red Rock	325	370	
Sand & Shale	370	424	
Red Rock	424	435	
Sand	435	460	
Red Rock	460	465	
Sand/Shale/Red Rock	465	591	
Sand	591	615	
Red Rock	615	622	
Sand/Shale	622	716	
Red Rock	716	746	
Sand/Shale	746	790	
Sand	790	830	
Shale & Red Rock	830	870	
Sand & Shale	870	1430	
Red Rock	1430	1460	
Shale	1460	1470	

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

Well Operator's Report of Well Work

Farm Name: RJM Trust
Permit No.: 47-013-04278

Operator Well No.: Kester Divers #2

Sand	1470	1590	
Shale	1590	1600	
Sand & Shale	1600	1710	
Shale	1710	1750	
Sand & Shale	1750	1915	
Sand	1915	1985	Hole damp @ 1950'
Shale & Red Rock	1985	2018	
Little Lime	2018	2040	
Pencil Cave	2040	2055	
Big Lime	2055	2130	
Injun	2130	2182	Oil odor @ 2170'
Sandy Shale	2182	2200	
Shale	2200	2230	
Sand	2230	2424	
Sand/Shale	2424	3430	Ck. gas @ 3020' - no show
Speechley	3430	3460	Ck. gas @ 3147' - no show
Sand & Shale	3460	3845	Ck. gas @ 3211' - no show
Balltown	3845	3868	
Sand & Shale	3868	4180	Ck. gas @ 3954' - no show
Bradford	4180	4220	Ck. gas @ 4203' - no show
Sand/Shale	4220	4510	
Second Riley	4510	4560	Ck. gas @ 4547' - no show
Sand/Shale	4560	4670	
Third Riley	4670	4710	Ck. ga @ 4673' - odor - no show
Sand/Shale	4710	4830	Ck. gas @ 4767' - no show
Benson	4830	4850	
Sand & Shale	4850	5040	Ck. gas @ 4891' - no show
Alexander	5040	5060	
Sand & Shale	5060	5240	Ck. gas @ 5143' - no show
First Elk	5240	5250	
Sand & Shale	5250	5450	
Second Elk	5450	5460	
Sand & Shale	5460	5690	Ck. gas @ 5613' - no show
Shale	5690	6265	Ck. gas @ 6051' - no show
Lime	6265	6275	Ck. gas @ 6305' - 6/10 1" w/H2O
B. Shale	6275	6305	DTD

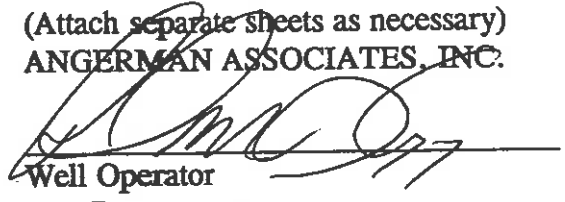
State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: RJM Trust
Permit No.: 47-013-04278

Operator Well No.: Kester Divers #2

(Attach separate sheets as necessary)
ANGERMAN ASSOCIATES, INC.



Well Operator

By: PAUL M. HERZING STAFF PETROLEUM ENG.

Date: 3-18-96

NOV 29 1995

013-4278

Issued 11/30/95

Form WW-2B

Page 3 of 7

Expires 11/30/97

Permitting Office of Oil & Gas
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

21437

Well Operator: 0034 ANGERMAN ASSOCIATES INC. 2200 (4) 379

Operator's Well Number: KESTER DIVERS NO. 2 3) Elevation: 1055'

Well Type: (a) Oil ___ / or Gas X /

(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow X /

5) Proposed Target Formation(s): MARCELLUS SHALE

6) Proposed Total Depth: 6200' feet

7) Approximate fresh water strata depths: 130'

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes ___ / No X /

11) Proposed Well Work: DRILL & STIMULATE

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTING INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in Well	
Conductor	11-3/4"			<u>220'</u>	<u>220'</u>	<u>CTS</u>
Fresh Water	8-5/8"			<u>2000'</u>	<u>2000'</u>	<u>0 SACKS</u>
Coal						
Intermediate						
Production	4-1/2"			<u>6200'</u>	<u>6200'</u>	<u>CTS OR BY RULE 38CSR 18-11.3</u>
Tubing						
Liners						

PACKERS: Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

13946/47

Fee(s) paid Well Work Permit Reclamation WPCP

Plat WW-9 WW-2B Bond _____ (Type) Agent

RECEIVED
WV Division of
Environmental Protection

NOV 29 1995

- 1) Date: NOVEMBER 20, 1995
- 2) Operator's well number
KESTER DIVERS NO. 2
- 3) API Well No: 47 - 013 - 4278
State - County - Permit

Permitting
Office of Oil & Gas
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 RJM TRUST
Address P.O. BOX 372
GRANTSVILLE, WV 26147
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name N/A
Address _____
 - (b) Coal Owner(s) with Declaration
 - Name N/A
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
 - Name N/A
Address _____
- 6) Inspector DEO MACE
Address RT. 1 BOX 5
SAND RIDGE, WV 25274
Telephone (304)- 655-7398

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
XX 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 7 on the above named parties, by:

- XX 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 ANGERMAN ASSOCIATES, INC.
By: _____
Its: President
Address 109 ZETA DRIVE
PITTSBURGH, PA. 15238
Telephone 412-963-0550

Subscribed and sworn before me this 20th day of NOVEMBER, 1995

Gregory A. Smith Notary Public
My commission expires 12-7-2002