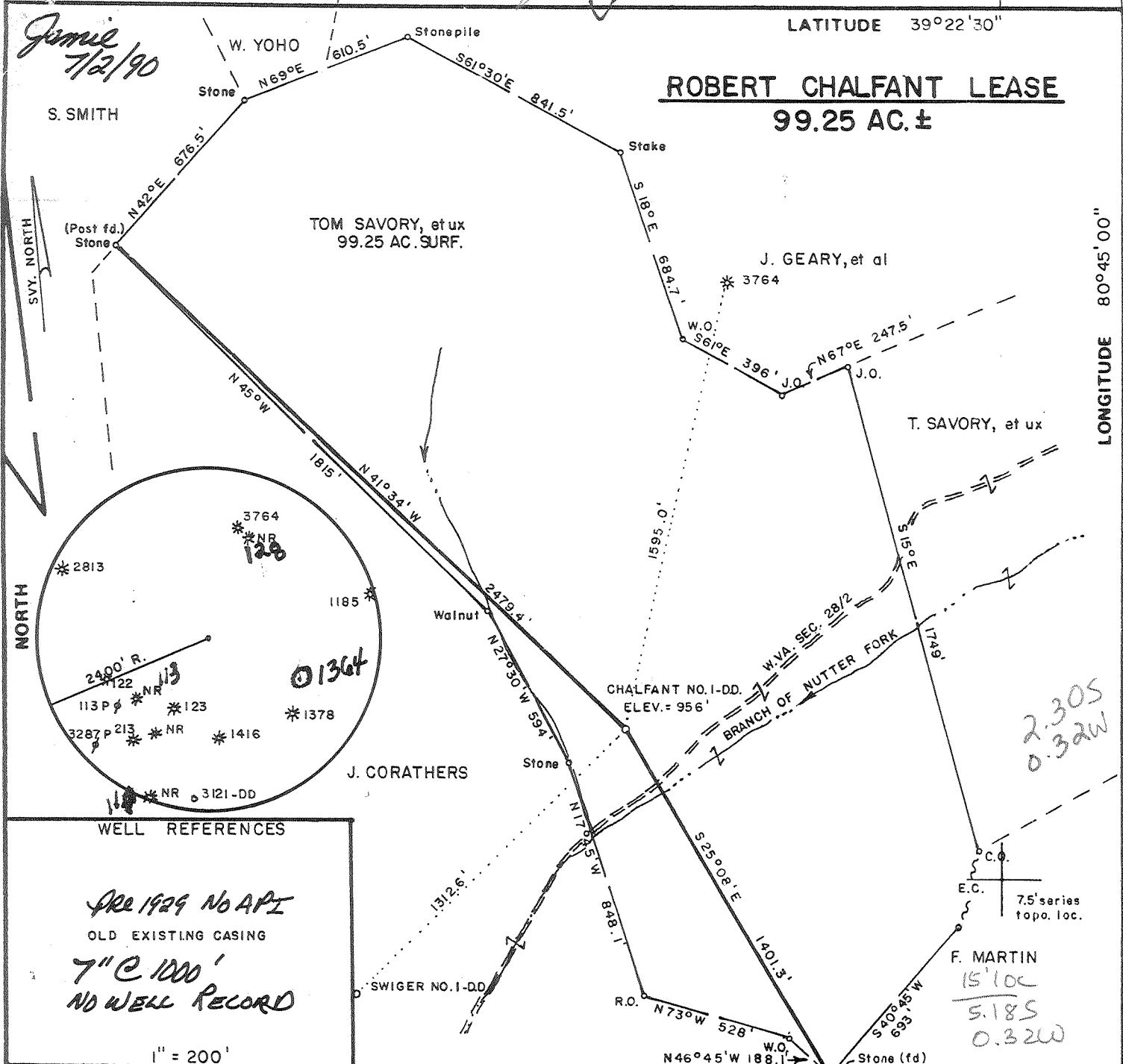


ROBERT CHALFANT LEASE
99.25 AC. ±



WELL REFERENCES

Pre 1929 No API
 OLD EXISTING CASING
 7" C 1000'
 NO WELL RECORD

1" = 200'

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Jct. of Rd. Sec. 28 & 28/2
 2650 ± S. of loc. Elev. = 862'

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 MINES.

Mark C. Echard
 (SIGNED) MARK C. ECHARD

R.P.E. _____ L.L.S. 490

MARK C. ECHARD
 LICENSED
 No. 410
 STATE OF WEST VIRGINIA
 LAND SURVEYOR
 PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)

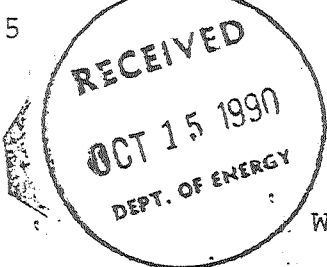


DATE JUNE 8, 1990
 OPERATOR'S WELL NO. ONE
 API WELL NO. 47-017-3834
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Drill Pre 1929 Well Deeper No API.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 956.0 WATER SHED BRANCH OF NUTTER FORK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5' ± 15' EC
 SURFACE OWNER TOM SAVORY, et ux ACREAGE 99.25
 OIL & GAS ROYALTY OWNER CLARENCE D. CHALFANT, et al LEASE ACREAGE 99.25
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BENSON - RILEY ESTIMATED DEPTH 5500' ±
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON JUL 6 1990
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, W.V. 26320 ALMA, W.V. 26320



State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: SAVORY, TOM

Operator Well No.: CHALFANT #1

LOCATION: Elevation: 956.00 Quadrangle: WEST UNION

District: WESTUNION County: DODDRIDGE
Latitude: 12090 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 1870 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP
P. O. BOX 99
ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD
Permit Issued: 07/02/90
Well work Commenced: 9/10/90
Well work Completed: 9/21/90
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5269'
Fresh water depths (ft) 120'

Salt water depths (ft) 1300'

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"	1920'	1920'	CTS
4-1/2"	5081'	5081'	50skts Thix

OPEN FLOW DATA

Producing formation Benson Sand Pay zone depth (ft) 4988'-92
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 440 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 26 Hours
Static rock Pressure 1575 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.

For: DRILLING APPALACHIAN CORP.

By: Kenneth Mason
Date: 10/14/90

OCT 22 1990

Perforated at 4989-4992, 15 shots
 Fraced with 20# gelled water, 10,000# 80/100, 30,000# 20/40 sand
 57,000SCF nitrogen gas. Formation Break 3000 psi,
 Avg treatment psi, 2675, Avg fluid rate, 20 bbl/min.
 ISIP 1900 psi

Permian Sands/Shales	Surface	500'
Pennsylvanian		
Sands/Shales	500'	1900'
Big Lime	1903	1981
Keener Sand	1982	1990
Shale	1991	2029
Big Injun Sand	2030	2105
Shale	2106	2259
Weir Sand	2260	2340
Shale	2341	2457
Gantz Sand	2458	2463
shale	2464	2682
Gordon Sand	2683	2714
shale/siltstone	2715	3353
Warren Sand	3354	3484
shale/siltstone	3485	3569
Speechley	3560	3652
shale/siltstone	3653	4093
Balltown	4094	4180
shale/siltstone	4182	4523
Riley	4524	4566
shale/siltstone	4567	4987
Benson	4988	4992
TD	5269	

47-017-3834

PRE 1929

Re Drilling Rework

FORM WW-2B

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

Page 3 of 5
Issued 7/2/90

Expires 7/2/92
14425 (B) 67°

- 1) Well Operator: DRILLING APPALACHIAN CORPORATION
- 2) Operator's Well Number: CHALFANT #1 3) Elevation: 956'
- 4) Well type: (a) Oil X/ or Gas X/
(b) If Gas: Production X/ Underground Storage /
Deep / Shallow X/
- 5) Proposed Target Formation(s): Benson/Riley
- 6) Proposed Total Depth: 5500± feet
- 7) Approximate fresh water strata depths:
- 8) Approximate salt water depths:
- 9) Approximate coal seam depths:
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Drill, perforate, stimulate new formation
- 12)

CASING AND TUBING PROGRAM

Rework existing
Pre 1929 well

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	-- No Well Record from Pre 1929.					
Fresh Water	the Company says there is					
Coal	1000' of 7" existing					
Intermediate	7"		20#	1,000'	1,000'	existing
Production	4-1/2	J-55	10½#	5056'	5056'	38CSR18-11.1
Tubing						38CSR
Liners						

10897

PACKERS : Kind
Sizes
Depths set

RECEIVED
JUL 02 1990

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

5433

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

Plat WW-9 WW-2B Bond Blanket sure Agent

(Type)

RECEIVED
JUL 02 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: June 12, 1990
2) Operator's well number
CHALFANT #1
3) API Well No: 47 - 017 - 3834
State - County - Permit

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 Tom Savory
Address 4354 Kenneth Road
Stow, Ohio 44224
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
- Name --
Address _____
 - (b) Coal Owner(s) with Declaration
 - Name --
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
 - Name --
Address _____
- 6) Inspector Mike Underwood
Address Rte 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

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 5 on the above named parties, by:

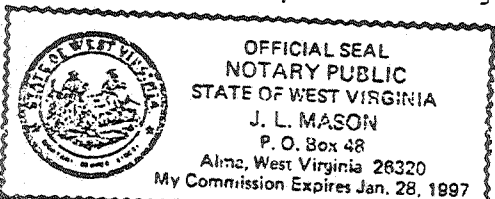
- _____ Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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 DRILLING APPALACHIAN CORPORATION
By: Kenneth R. Alberson
Its: President
Address PO Box 99
Alma WV 26320
Telephone (304) 758-4638



Subscribed and sworn before me this 12th day of June, 19 90

My commission expires 1/28/97 Notary Public