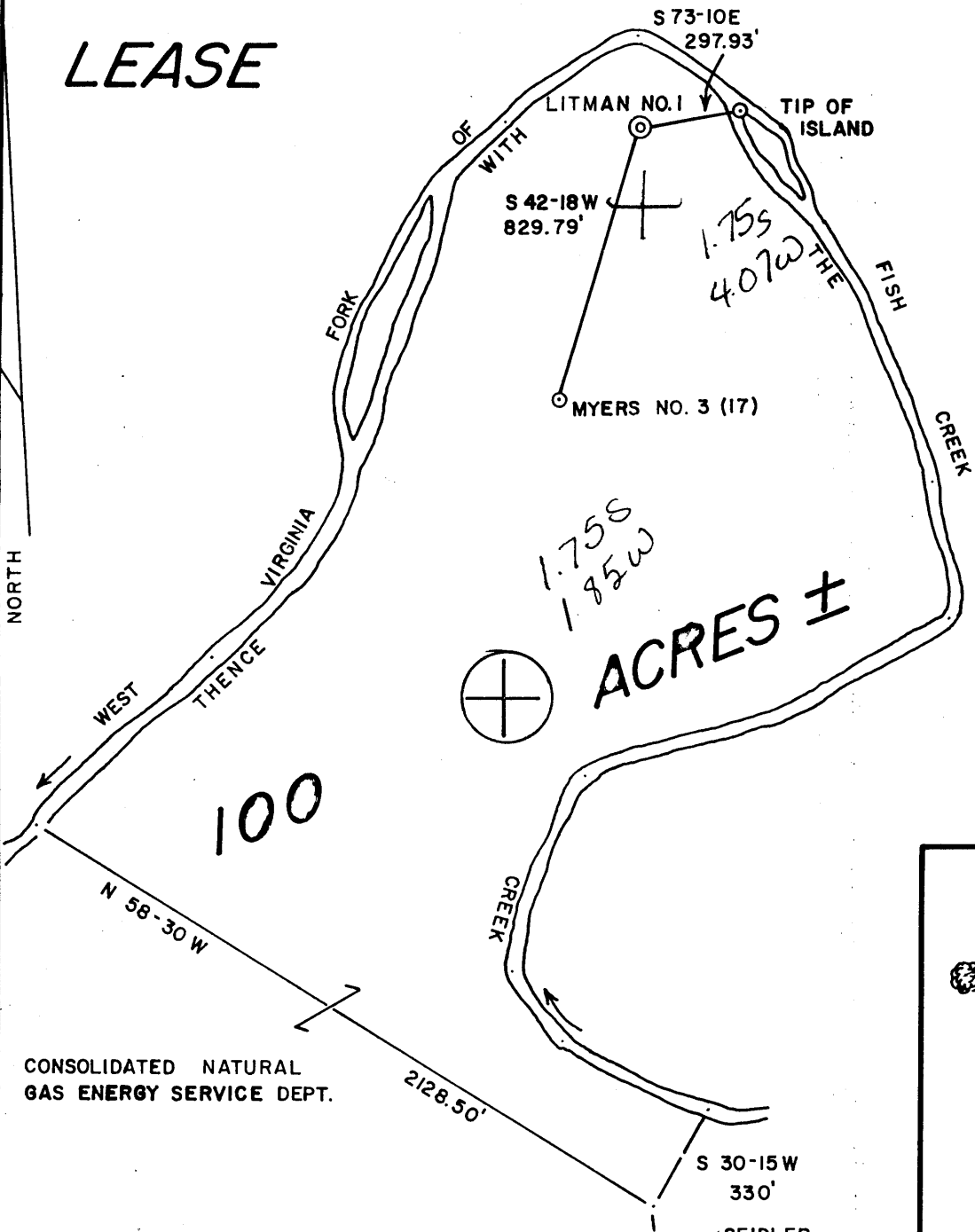


LITMAN LEASE

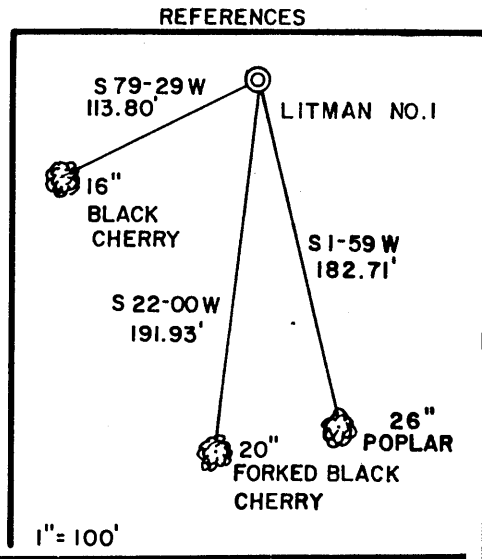
WELL

NO. 1



LITMAN NO. 1 IS AN EXISTING PRE - 1929 WELL.

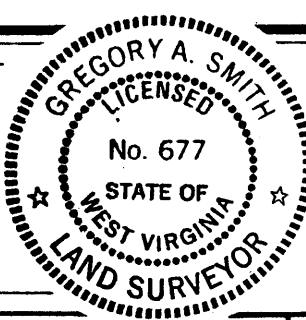
PERMITTED WELLS WITHIN 1200' SHOWN



CONSOLIDATED NATURAL GAS ENERGY SERVICE DEPT.



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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE OCTOBER 7, 19 86
 OPERATORS WELL NO. LITMAN NO. 1
 API WELL NO. 47-051-0716-F
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1545 20-21
 PROVEN SOURCE OF ELEVATION _____ SCALE 1" = 500'

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 886' WATERSHED WEST VIRGINIA FORK OF FISH CREEK
 DISTRICT LIBERTY 4 COUNTY MARSHALL QUADRANGLE LITTLETON 7.5' 438
 SURFACE OWNER CONSOLIDATED NATURAL GAS ENERGY SERVICE DEPT. ACREAGE 114 067
 ROYALTY OWNER ROBERT LITMAN LEASE ACREAGE 100± NE3
 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 GORDON
 ESTIMATED DEPTH 2860'

WELL OPERATOR COMBINED ENERGY MANAGEMENT INC. DESIGNATED AGENT ROBERT E. FOX
 ADDRESS PO BOX 129 GLENVILLE, WV 26351 ADDRESS PO BOX 129 GLENVILLE, WV 26351
1025
OCT 27 1986

LONGITUDE 80-32-30

COUNTY NAME PERMIT

IV-35
(Rev 8-81)

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State of West Virginia

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Department of Mines
Oil and Gas Division

Date October 23, 1986
Operator's
Well No. Litman No. 1
Farm Consolidated Natural Gas
Energy Services Dept.
API No. 47-051-0716-E

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 886' Watershed West Virginia Fork of Fish Creek
District: Liberty County Marshall Quadrangle Littleton 7.5'

COMPANY Combined Energy Management Inc.
ADDRESS PO Box 129, Glenville, WV 26351
DESIGNATED AGENT Robert E. Fox
ADDRESS PO Box 129, Glenville, WV 26351
SURFACE OWNER Consolidated Natural Gas Energy Services Dept.
c/o Richard Orr
ADDRESS 4 Gateway Center, Pittsburg, PA 15222
MINERAL RIGHTS OWNER Consolidation Coal Co.
c/o Tom Short or Colbin Kelly
ADDRESS 450 Rasetrack Road, Washington, PA 15301
OIL AND GAS INSPECTOR FOR THIS WORK Mike Underwood
ADDRESS Rt. 2, Box 135, Salem, WV 26426
PERMIT ISSUED October 14, 1986
DRILLING COMMENCED N/A 10/22/86
DRILLING COMPLETED N/A 10/23/86
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7	Existing	Well 1863'	
5 1/2			
4 1/2		2862'	185 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 2860 feet
Depth of completed well 2860 feet Rotary / Cable Tools
Water strata depth: Fresh 35' & 300' feet; Salt feet
Coal seam depths: 935' Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon and Big Injun Pay zone depth 2860' feet
Gas: Initial open flow Still Testing Mcf/d Oil: Initial open flow Bbl/d
Final open flow Still Testing Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 300 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

JAN 12 1987

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATION

PHYSICAL CHANGE, ETC.

1st Stage 2843'-2779' 2nd Stage 2081'-2139' 3rd Stage 2015'-2020'

Fraced with 120 Tons CO²

1500 Gal. of Acid

Flushed CO² with 140,000 SCF Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
<div style="position: absolute; top: 10%; left: 10%; border: 1px solid black; padding: 5px;"> N/A Well Drilled In 1920's </div> <div style="position: absolute; bottom: 10%; right: 10%; text-align: center;"> <p>RECEIVED JAN 02 1987 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY</p> </div>					

(Attach separate sheets as necessary)

Combined Energy Management, Inc.
Well Operator

By: Robert L. Zrt

Date: 10-23-86

JAN 12 1987

Note: Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including..."

7/85

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1) Date: October 8, 19 86
 2) Operator's Well No. Litman No. 1 (W)
 3) API Well No. 47-051-0716-F
 State County Permit

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 886' Watershed: West Virginia Fork of Fish Creek
 District: Liberty County: Marshall Quadrangle: Littleton 7.5'
- 6) WELL OPERATOR Combined Energy CODE: 7) DESIGNATED AGENT Robert E. Fox
 Address P.O. Box 129 Mgt., Inc. Address P.O. Box 129
Glenville, WV 26351 Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Mike Underwood Name
 Address Rt. 2, Box 135 Address
Salem, WV 26426
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate X /
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) Run 4 1/2" Pipe, Perf. & Frac.
- 11) GEOLOGICAL TARGET FORMATION, Gordon
- 12) Estimated depth of completed well, 2860 feet
 13) Approximate strata depths: Fresh, 35' & 300' feet; salt, feet.
 14) Approximate coal seam depths: 935' Is coal being mined in the area? Yes / No X /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>7"</u>						<u>1863' EXISTING</u>	<u>PROBABLY ON WELL</u>	Kinds <u> </u>
Fresh water									Sizes <u>RECORD</u>
Coal									
Intermediate								<u>290</u>	
Production	<u>4 1/2"</u>	<u>API</u>	<u>10.5</u>				<u>2860'</u>	<u>150 sacks</u>	Depths set <u> </u>
Tubing								<u>or as per</u>	Rule <u>15.01</u>
Lin.									Perforations: <u> </u>
								<u>CEMENT BACK OVER COAL</u>	
								<u>MIKE U.</u>	

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-051-0716-F Date October 14 19 86

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires October 14, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>1617</u>	WPCP: <u>Tanks</u>	S&E: <u>AS</u>	Other: <u> </u>
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NOTE: Keep one copy of this permit posted at the drilling location.

John K. Johnston
Director, Division of Oil and Gas