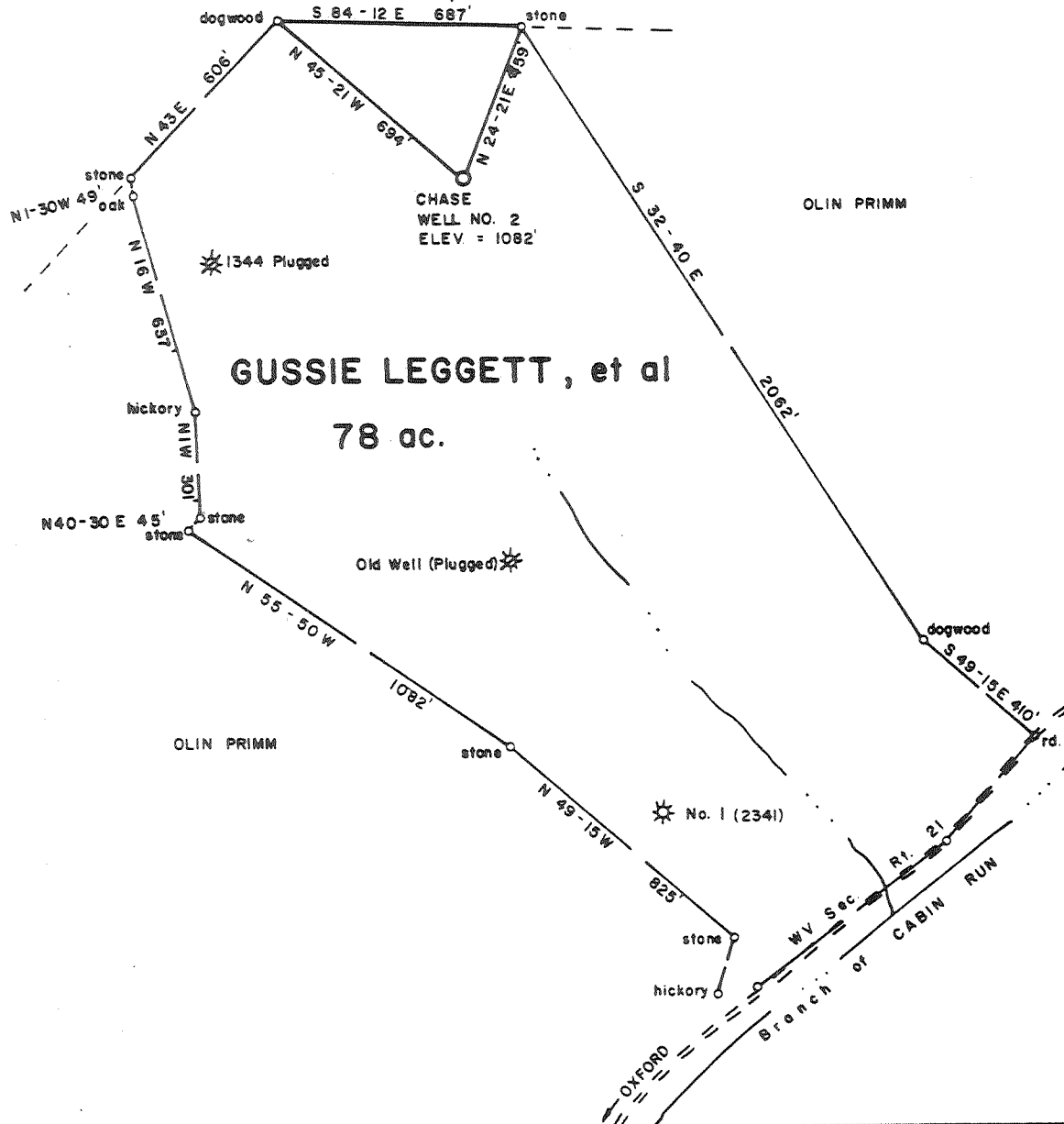


0.30S
1.50W



THURMAN JONES



LONGITUDE : 80 - 50 - 00

NORTH

FILE NO. CHASE 1 - 9
 DRAWING NO. _____
 SCALE 1 inch = 500 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Top of Knob NW of Location ELEV. = 1223'

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.

(SIGNED) Mark C. Echard
 MARK C. ECHARD

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

PLACE SEAL HERE

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



DATE JULY 3, 1981
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____
47 - 017 - 3027
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1082' WATER SHED CABIN RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5' Holbrook 15' NC
 SURFACE OWNER OLIN & MARY PRIMM ACREAGE 78
 OIL & GAS ROYALTY OWNER GUSSIE LEGGETT, et al LEASE ACREAGE 78
 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 DEVONIAN SHALE ESTIMATED DEPTH 5990'
 WELL OPERATOR CHASE PETROLEUM CORP. DESIGNATED AGENT MR. ALTON SKINNER
 ADDRESS P.O. BOX 297 ADDRESS P.O. BOX 297
GLENVILLE, WV 26351 GLENVILLE, WV 26351

JUL 27 1981

JAN 10 1997

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

Oil and Gas

Well Operator's Report of Well Work

Farm name: PRIMM, OLIN

Operator Well No.: G. LEGGETT #2

LOCATION: Elevation: 1,082.00 Quadrangle: OXFORD

District: CENTRAL County: DODDRIDGE
Latitude: 1480 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 7670 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: MERIDIAN EXPLORATION CORP
PENN CENTER WEST TWO, STE 325
PITTSBURGH, PA 15276-0000

Agent: CT CORP. SYSTEM

Inspector: MIKE UNDERWOOD
Permit Issued: 09/10/96
Well work Commenced: 10/3/96
Well work Completed: 10/11/96
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5496'
Fresh water depths (ft) 1650
Salt water depths (ft) None

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"	27'	27'	
8 5/8"	1286	1286	CTS
4 1/2"	5496	5496	3800
2"	-	5,300'	

OPEN FLOW DATA

Producing formation Riley Pay zone depth (ft) 4400' - 4475'
 Gas: Initial open flow 300 MCF/d Oil: Initial open flow - Bbl/d
 Final open flow 300 MCF/d Final open flow - Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock Pressure 800 psig (surface pressure) after 24 Hours

Second producing formation Balltown Pay zone depth (ft) 4060' - 4085'
 Gas: Initial open flow 300 MCF/d Oil: Initial open flow - Bbl/d
 Final open flow 300 MCF/d Final open flow - Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock Pressure 800 psig (surface pressure) after 24 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: MERIDIAN EXPLORATION CORP.

By: John Guide
Date: John Guide 1/6/97

JAN 21 1997

Riley: Perforations: 4400' - 4410' + 4465' - 4475' 4SPF

Fracture Treatment: 19,000 lbs 20/40 Sand X-link Gel

(0) Zero Nitrogen

250 bbls water

Balltown: Perforations: 4,060' - 4,070' + 4,075' - 4,085' 4SPF

Fracture Treatment: 13,500 lbs 20/40 Sand X-link Gel

(0) Zero Nitrogen

250 bbls water



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 29 1981

Oil and Gas Division

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

WELL RECORD

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Oxford 7.5

Permit No. 47-017-3027

Company Chase Petroleum
Address P.O. Drawer 369, Glenville, W.Va. 26351
Farm Olin Primm Acres 78
Location (waters) Cabin Run
Well No. Leggett #2 Elev. 1082
District Central County Doddridge
The surface of tract is owned in fee by Olin Primm

Address Rt.#1, West Union, W.Va. 26452
Mineral rights are owned by Gussie Leggett Heirs
Address 1231 Bellaire St. Fairmont, W

Drilling Commenced August 8, 1981
Drilling Completed August 13, 1981
Initial open flow 13,577 cu. ft. 0 bbls.
Final production 242,833 cu. ft. per day 0 bbls.
Well open 6 hrs. before test 1735 RP.

Well treatment details:

Fraced Alexander: 5338-5386; 21 Holes; 2,055 bbls. Total Fluid; 300,000 20/40

150,000 80/100

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft (Sks.)
Size			
20-16			
Cond.			
13-10" 11 3/4	27	27	
9 5/8			
8 5/8 23#	1286	1286	CTS
7			
5 1/2			
4 1/2 10.5#	5496	5496	360 sks
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches _____
Fresh water 1650 Feet _____ Salt Water _____ Feet _____
Producing Sand Alexander Depth 5338-5386

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			0	70		
Sand			70	90		
Shale			90	165		
Sand			165	203		
Shale			203	725		
Sand & Shale			725	850		
Sand			850	860		
Shale			860	1090		
Sand			1090	1110		
Sand & Shale			1110	1470		
Sand			1470	1530		
Sand & Shale			1530	1595		
Sand			1595	1900		
Sand & Shale			1900	2110		
Lime			2110	2245		
Shale			2245	2395		
Sand			2395	2468		
Shale			2468	3515		
Sand			3515	3532		
Shale			3532	3966		
Sand			3966	3970		
Shale			3970	4960		
Sand			4960	4990		
Shale			4990	5025		
Sand			5025	5118		

JAN 21 1982

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks
Shale			5118	5211		
Sand	ALEX		5221	5430		
Shale			5430	5741		
Sand			5741	5803	T.D.	

Date 12/23 1981
Alton Shuman

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

017 3027 Frac.
526

- 1) Well Operator: ⁴⁷⁴² MERIDIAN EXPLORATION CORPORATION 31805 0
- 2) Operator's Well Number: GUSSIE LEGGETT #2 (1594) 3) Elevation: 1082'
47 017 3027
- 4) Well type: (a) Oil ___ or Gas X
(b) If Gas: Production X Underground Storage ___
Deep ___ Shallow ___
- Proposed Target Formation(s): ⁴³⁵ Benson @ 4,600' Riley @ 4,200' Balltown @ 3,900'
- Proposed Total Depth: 5496 feet
- Approximate fresh water strata depths: 1650'
- Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes ___ No X
- 11) Proposed Well Work: Set plug. Perf + Frac Benson @ 4,600'. Perf + Frac Riley @ 4,200'. Perf + Frac Balltown @ 3,900'
- 12) Drill plug

Issued 09/10/96
Expires 09/10/98

RECEIVED
Environmental Protection
SEP 03 1996
Permitting
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"			27'	27'	
Fresh Water						
Coal						
Intermediate	8 5/8"		23	1,286	1,286	CTS
Production	4 1/2"		10.5	5,496	5,496	4,200'
Tubing						
Liners						

PACKERS : Kind N/A
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ Agent
 (Type)

22526

165/24

RECEIVED
WV Division of
Environmental Protection
SEP 03 1996

1) Date: 5-28-96
2) Operator's well number
GUSSIE LEGGETT #2 (1594)
3) API Well No: 47 - 017 - 3027 - F
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 OLIN PRIMM
Address ROUTE 1
WEST UNION, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector MIKE UNDERWOOD
Address ROUTE 2 BOX 135
SALEM, WV 26426-0135
Telephone (304)- 782 1043

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name GUSSIE LEGGETT HEIRS
Address 1231 BELLAIRE ST.
FAIRMONT, WV 26554-55
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

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
 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 ___ on the above named parties, by:

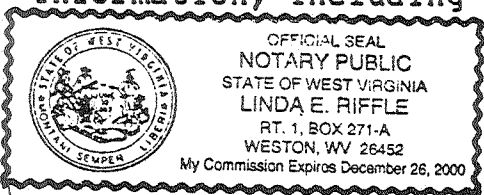
- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

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 MERIDIAN EXPLORATION CORP.
By: John Guide JOHN GUIDE
Its: PEAN CENTER WEST TWO, SUITE 325
Address PITTSBURGH, PA 15276
(412) 494 0604
Telephone _____



Subscribed and sworn before me this 22nd day of MAY, 1996

Linda E. Riffle Notary Public
My commission expires December 26, 2000



Well No. Leggett #2
Farm Olin Primm
API # 47 - 017-3027
Date July 10, 1981

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPL: Oil ___ / Gas X /

(If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow X /

LOCATION: Elevation: 1082 Watershed: Cabin Run
District: Central County: Doddridge Quadrangle: Oxford 7.5

WELL OPERATOR CHASE PETROLEUM
Address P. O. Drawer 369
Glennville, WV 26351

DESIGNATED AGENT Alton Skinner
Address P. O. Drawer 369
Glennville, WV 26351

OIL AND GAS
ROYALTY OWNER Gussie Leggett Heirs
Address 1231 Bellaire St.
Fairmont, WV 26554
Acreage 78

COAL OPERATOR none
Address _____

SURFACE OWNER Olin Primm
Address Route 1
West Union, WV 26452
Acreage 78

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Lessors (if any)
Address _____
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME Uncommitted
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME none
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Stephen Casey
Address Route 2, Box 232-D
Jane Lew, WV 26378
Telephone 884-7470

RECEIVED
JUL 15 1981
OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated 4/5, 1978, to the undersigned well operator from Gussie Leggett.

(If said deed, lease, or other contract has been recorded:)

Recorded on July 3, 1978, in the office of the Clerk of County Commission of Doddridge County, West Virginia, in Lease ¹⁰⁴ Book at page 277. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate X
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that an objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Department. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

Chase Petroleum
Well Operator
By: Alton Skinner
Its: _____
Agent

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION Devonian Shale

Estimated depth of completed well 5990 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 30 feet; salt, feet.
Approximate coal seam depths: none
Is coal being mined in this area: Yes / No X /

DRILLING AND TUBING PROGRAM

DRILLING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling		
Conductor	11 3/4				X	30	-0-	Kinds
Fresh water								
Coal								Sizes
Intermed.	8 5/8		23#	X		1800	1800	CTS
Production tubing	4 1/2		10.5#	X		5940	5940	725 sks
Inners								Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for Drilling. This permit shall expire if operations have not commenced by 3-17-82.

J. E. Huzzey
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the coal operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19 .

By: _____

Its: _____