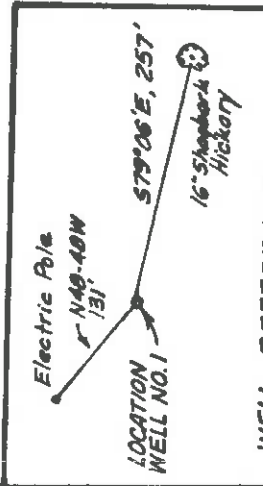


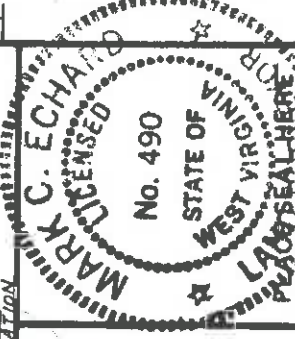
LONGITUDE 80°50'00"
 LATITUDE 39°15'00"
 3520
 14,600



WELL REFERENCES

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF _____
 ACCURACY 1/200
 PROVEN SOURCE OF _____
 ELEVATION USGS B.M. on Sec. B1.
1911 1.650 S.E. OF LOCATION, ELEV. = 845'

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



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



DATE OCTOBER 31, 1982
 OPERATOR'S WELL NO. ONE
 API WELL NO. _____

47 - 017 - 3383
 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 823' WATER SHED SOUTH FORK HUGHES RIVER
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5' S. 26 Halbrook K 15' N. 22
 SURFACE OWNER JAMES EVERETT LEGGETT ACREAGE 0.58/20
 OIL & GAS ROYALTY OWNER JAMES E. LEGGETT, ET AL. LEASE ACREAGE 120

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORM NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5200'
 WELL OPERATOR CHASE PETROLEUM, INC. DESIGNATED AGENT MR. ALTON SKINNER
 ADDRESS P.O. BOX 297 ADDRESS P.O. BOX 297
GLENVILLE, W. VA. 26351 GLENVILLE, W. VA. 26351

6-6 Straight Fork-Bluestone Creek (133)

DEC 03 1982

Farm name: LEGGETT, JAMES E. Operator Well No.: LEGGETT 1-1668

LOCATION: Elevation: 823.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 14600 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 3520 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: 04/05/96
Well work Commenced: 4/9/96
Well work Completed: 5/13/96
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5,216'
Fresh water depths (ft) 110

Salt water depths (ft) Non

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

OPEN FLOW DATA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
1 3/4"	36	0	
8 5/8"	1017	1017	CTS
4 1/2"	5056	5056	3500
2"		4900'	

Producing formation Bensen Pay zone depth (ft) 4,220'
 Gas: Initial open flow 600 MCF/d Oil: Initial open flow 4,230' Bbl/d
 Final open flow 600 MCF/d Final open flow Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock Pressure 1000 psig (surface pressure) after 24 Hours
 Second producing formation Riley Pay zone depth (ft) 3879'
 Gas: Initial open flow 600 MCF/d Oil: Initial open flow Bbl/d
 Final open flow 600 MCF/d Final open flow Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock Pressure 1000 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 John Guide
Date: 1/6/97

JAN 21 1997

OPEN FLOW DATA

Third producing formation - Balltown, Pay Zone Depth, 3494'-3545'

Gas: Initial open flow 600 mcf/d No oil

Final open flow 600 mcf/d No oil

Time of open flow between initial and final tests 0 hrs

Static rock pressure 1000 psi_g (surface pressure) after 24 hrs

Benson: Perforations: 4,220' - 4,230' 8 SPF

Fracture Treatment: 11,000 lbs 20/40 X-Link Gel

(0) Zero Nitrogen

220 lbs water

Ziley: Perforations: 3879' - 3,889' 8 SPF

Fracture Treatment: 5,500 lbs 20/40 X-Link Gel

(0) Zero Nitrogen

150 lbs water

Balltown: Perforations: 3,494' - 3,504 + 3,535' - 3,545' 4 SPF

Fracture Treatment: 5,000 lbs 20/40 X-Link Gel

(0) Zero Nitrogen

150 lbs water

RECEIVED

FEB 27 1985



State of West Virginia
Department of Mines
Oil and Gas Division

Date February 25, 1985
Operator's Well No. James Leggett #1
Farm James Leggett
API No. 47 - 017 - 3383

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 X /)

LOCATION: Elevation: 823 Watershed South Fork Hughes River
District: Southwest County Doddridge Quadrangle Oxford 7.5

COMPANY Chase Petroleum, Inc.

ADDRESS P.O. Drawer 369, Glenville, WV 26351

DESIGNATED AGENT Alton Skinner

ADDRESS P.O. Drawer 369, Glenville, WV 26351

SURFACE OWNER James Leggett

ADDRESS Lexington, KY 40502

MINERAL RIGHTS OWNER James Leggett

ADDRESS Lexington, KY 40502

OIL AND GAS INSPECTOR FOR THIS WORK Mike

Underwood ADDRESS Salem, WV 26426

PERMIT ISSUED 11/26/84

DRILLING COMMENCED 12/15/84

DRILLING COMPLETED 12/19/84

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	36	0	
9 5/8			
8 5/8	1017	1017	270
7			
5 1/2			
4 1/2	5056	5056	820
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander (Devonian) Depth 5200 feet

Depth of completed well 5216 feet Rotary X / Cable Tools

Water strata depth: Fresh 110 feet; Salt recorded feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander, Benson

Gas: Initial open flow 15 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 525 Mcf/d Final open flow Show Bbl/d

Time of open flow between initial and final tests n/a hours

Static rock pressure 1675 psig (surface measurement) after 4 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

MAR 11 1985

(Continue on reverse side)

DETAILS OF PERFORMED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Fraced Alexander 4868-4916, 12 holes, 624 Bbls Water, 40,000# 20/40, 10,000# 80/100
 Fraced Benson 4535-4607, 10 holes, 652 Bbls Water, 40,000# 20/40, 10,000# 80/100

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Topsoil, Shale			0	45	Including indication of all fres and salt water, coal, oil and ga
Sand, Shale			45	720	
Red Rock			720	740	2" stream H2O @ 110'
Sand, Shale			740	1676	
Big Lime			1676	1732	
Sand, Shale			1732	1738	
Injun			1738	1780	
Sand, Shale			1780	1788	
Squaw			1788	1808	
Sand, Shale			1808	1970	
Weir			1970	2096	
Sand, Shale			2096	2164	
Berea			2164	2166	
Sand, Shale			2166	2370	
Fourth Sand			2370	2390	
Sand, Shale			2390	2736	
Fifth Sand			2736	2742	
Sand, Shale			2742	3026	
Speechley			3026	3090	
Sand, Shale			3090	3440	
Balltown			3440	3500	
Sand, Shale			3500	3978	
Riley			3978	4230	
Sand, Shale			4230	4535	
Benson Stray			4535	4552	
Benson			4552	4607	
Sand, Shale			4607	4868	
Alexander			4868	4916	
Sand, Shale			4916	5216	TD

(Attach separate sheets as necessary)

Chase Petroleum, Inc.

Well Operator

By:

Victor Alexander

Date:

February 25, 1985

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geologic report of all formations, including all intervals in the drilling of a well."

RECEIVED
FORM WW-200
Division of Environmental Protection

017-3383-Frac. Page 1 of

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

MAR 20 1996

Well Permitting or: MERIDIAN EXPLORATION CORP. 31805 (7) 526
Office of Oil & Gas
Operator's Well Number: JAMES LEGGETT #1 (1668)

3) Elevation: 823

Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Deep ___ /
Underground Storage ___ / Shallow ___ /
Issued 04/05/96
Expired 04/05/98

Proposed Target Formation(s): Benson, Riley, & Balltown

Proposed Total Depth: 5276 42.55 feet

Approximate fresh water strata depths: 110'

Approximate salt water depths: None

Approximate coal seam depths: None

Does land contain coal seams tributary to active mine? Yes No X

Proposed well work: Set plus. Perforate Benson @ 4250' Perforate

Repair Benson Balltown and Frac Riley @ 4000'. Perforate + Frac Balltown

Repair Benson Balltown @ 3500'. Drill plug.

TYPE	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4			36	0	
Fresh Water						
Coal						
Intermediate	8 5/8"		23	1017	1017	270 SKS
Production	4 1/2		10.5	5056	5056	3500'
Tubing						
Liners						

Specifications with Company intervals
Cement

PACKERS : Kind N/A
Sizes N/A
Depths set 3776'

Fee(s) paid: 112
plat 112
For Division of Oil and Gas Use Only
Well Work Permit 112 Reclamation Fund
Bond 112 (Type) 112 Agent

21697

1) Date: 3/14/96
2) Operator's well number JAMES LEGGETT #1 (1668)
3) API Well No: 47 - 017 - 3383
State - County - Permit

Permitting
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 JAMES F. LEGGETT
Address ROUTE 1 BOX 82
WEST UNION, WV 26456

5) (a) Coal Operator:
Name _____
Address _____

(b) Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name SAME
Address _____

(c) Name _____
Address _____

Name _____
Address _____

6) Inspector MIKE UNDERWOOD
Address ROUTE 2 BOX 135
SALEM, WV 26426
Telephone (304) - 782 1043

(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)

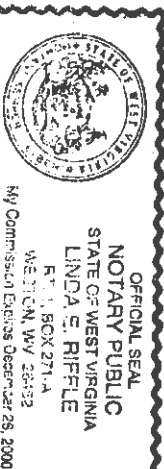
I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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 John Underwood JOHN UNDERWOOD - CHIEF

By: _____
PENN CENTER WEST TWO, SUITE 325 ENG.
Address PITTSBURGH, PA 15276
(412) 494 0604



subscribed and sworn before me this 14th day of MARCH, 1996

My commission expires December 28, 2000 Linda S. Ripple Notary Public

RECEIVED
60725 1984



1) Date: October 25, 19 84
2) Operator's Well No. James Leggett #1
3) API Well No. 47 - 017 - 3383
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION / Gas / Shallow
DEPT. OF MINES / Production / Deep

5) LOCATION: Elevation: 323 / District: Southwest / Undergrnd storage / Watershed: South Fork Hughes River / Deep / Shallow
County: Doddridge / Quadrangle: Oxford 7.5

6) WELL OPERATOR: Chase Petroleum, Inc. / District: Southwest / 7) DESIGNATED AGENT: Alton Skinner
Address: P.O. Drawer 369 / Address: P.O. Drawer 369

8) OIL & GAS INSPECTOR TO BE NOTIFIED: Glenville, WV 26351 / 9) DRILLING CONTRACTOR: Mike Underwood
Name: Mike Underwood / Name: Unknown
Address: Route 2-Box 114 / Address: Glenville, WV 26351

10) PROPOSED WELL WORK: Drill / deeper / Plug off old formation / Perforate new formation / Stimulate

11) GEOLOGICAL TARGET FORMATION, Alexander (Devonian) / Other physical change in well (specify) _____
12) Estimated depth of completed well, 5200 feet
13) Approximate trata depths: Fresh, 100 feet; salt, 1000 feet.
14) Approximate coal seam depths: None / Is coal being mined in the area? Yes / No

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.	For drilling	Left in well		
Conductor							Kind: _____
Fresh water							Sizes _____
Coal							Depths set _____
Intermediate	8-5/8		20#	X	400	CTS	Perforations: _____
Production	4-1/2		10.5#	X	5150	700 Sks	Top _____
Tubing							Bottom _____
Liners							

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3383 / Date November 26, 1984

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 November 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
35	210	75	MW	3806

Margaret J. Chase
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File

