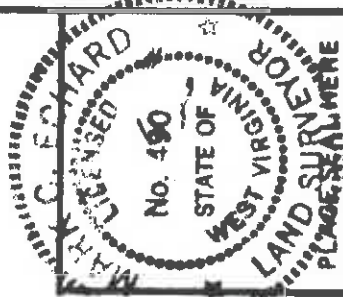


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION LOW GAP TO SEC. RT. II
 700' ± WEST OF LOC., ELEV. = 1118

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
 L.L.S. 490



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

DATE OCTOBER 5, 1984
 OPERATOR'S WELL NO. ONE
 API WELL NO. _____
 STATE 47 COUNTY 017 PERMIT 3371



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS.") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1019 WATER SHED RIGHT FORK ARNOLD CREEK
 DISTRICT WEST UNION COUNTY DODD BRIDGE
 QUADRANGLE OXFORD 75' Block 151 NE 3
 SURFACE OWNER SAMUEL J. HILEMAN ACRES 122
 OIL & GAS ROYALTY OWNER SAMUEL J. HILEMAN LEASE ACREAGE 122

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 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

NOV 13 1984
 6-6 Straight Fork - Bluestone Creek (133)

RECEIVED

IV-35

FEB 27 1985

(Rev 8-81)



Date February 20, 1985
Operator's Well No. Samuel Hileman #1
Farm Samuel Hileman
API No. 47 -017 - 3371

State of West Virginia
OIL & GAS DIVISION
DEPT. OF MINES Department of Mines
Oil and Gas Division

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: 1019 Watershed Right Fork Arnolds Creek
District: West Union 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 Samuel Hileman
ADDRESS Rt. 1, Box 78, West Union, WV 26456
MINERAL RIGHTS OWNER Samuel Hileman
ADDRESS Rt. 1, Box 78, West Union, WV 26456

OIL AND GAS INSPECTOR FOR THIS WORK Mike
Underwood ADDRESS Salem, WV 26426
PERMIT ISSUED 11/01/84
DRILLING COMMENCED 11/19/84
DRILLING COMPLETED 11/29/84

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

Caging Tubing	Used in Drilling in Well	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	40	0	
9 5/8			
8 5/8	1360	1360	320
7			
5 1/2			
4 1/2	5177	5177	820
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander (Devonian) Depth 5200 feet
Depth of completed well 5310 feet Rotary X / Cable Tools
Water strata depth: Fresh 55 feet; Salt 1680 feet
Coal seam depths: None Is coal being mined in the area? X

OPEN FLOW DATA

Producing formation Alexander, Riley, Balltown Pay zone depth 5032-5075
Gas: Initial open flow 125 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 870 Mcf/d Final open flow show Bbl/d

Time of open flow between initial and final tests n/a hours
Static rock pressure 1825 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)

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

Fraced Alexander 5032-5075, 15 holes, 607 Bbls water, 45,000# 20/40, 10,000# 80/100
 Fraced Riley 4236-4350, 10 holes, 455 Bbls water, 30,000# 20/40, 10,000# 80/100
 Fraced Balltown 3662-3720, 14 holes, 500 Bbls water, 45,000# 20/40, 10,000# 80/100

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Topsoil, sand			0	18	
Red rock, sand, shale			18	890	1/2" stream H2O @ 55'
Red rock, shale			890	1660	
Sand			1660	1680	1/2" stream H2O @ 1680'
Shale			1680	1800	
Big Lime			1800	1854	
Injun			1854	1876	
Sand, shale			1876	1910	
Squaw			1910	1934	
Sand, shale			1934	2090	
Weir			2090	2214	
Sand, shale			2214	2288	
Berea			2288	2292	
Sand, shale			2292	2638	
Fifth sand			2638	2646	
Sand, shale			2646	3150	
Speechley			3150	3208	
Sand, shale			3208	3662	
Balltown			3662	3734	
Sand, shale			3734	4236	
Riley			4236	4364	
Sand, shale			4364	4774	
Benson			4774	4778	
Sand, shale			4778	5030	
Alexander			5030	5094	
Sand, shale			5094	5310	
					TD

(Attach separate sheets as necessary)

Chase Petroleum, Inc.
Well Operator

By: Walter Skinner

Date: February 20, 1985

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 strata, encountered in the drilling of a well."

RECEIVED
OCT 25 1984

1) Date: October 25, 19 84
2) Operator's Well No.: Samuel J. Hileman #1
3) API Well No.: 47 - 017 - 3371
State County Permit



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

4) WELL TYPE: A Oil Gas
B (If "Gas", Production / Underground storage Deep Shallow
5) LOCATION: Elevation: 1019 Watershed: Right Fork Arnold Creek
District: West Union County: Doddridge Quadrangle: Oxford 7.5
6) WELL OPERATOR: Chase Petroleum, Inc. P.O. Drawer 369 Alton Skinner
Address: P.O. Drawer 369, Glenville, WV 26351

7) DESIGNATED AGENT: P.O. Drawer 369, Glenville, WV 26351
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Mike Underwood, Address: Route 2, Box 114, Salem, WV 26426
9) DRILLING CONTRACTOR: Name: Unknown, Address: Unknown

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

Other physical change in well (specify):

11) GEOLOGICAL TARGET FORMATION, Alexander (Devonian)

12) Estimated depth of completed well, 5200 feet

13) Approximate true depths: Fresh, 100 feet; salt, 1000 feet.

14) Approximate coal seam depths: NOTE Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS		New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade			Weight per ft.	For drilling		
Conductor								Kinds
Fresh water								Sizes
Coal								Depths set
Intermediate	8-5/8		<input checked="" type="checkbox"/>		400	400	CTS	Perforations:
Production	4-1/2		<input checked="" type="checkbox"/>		5150	5150	700 Sks	Top
Tubing								Bottom
Liners								

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3371 Date November 1, 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 1, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fec
35	LD	TS	MW	3800

Margaret J. Nassar
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

