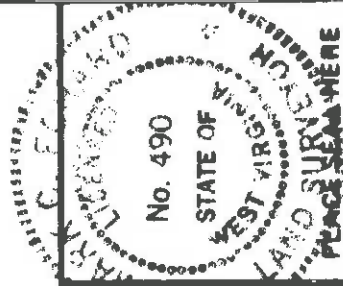


7-58245
 9,610' 9610
 LATITUDE 39°15'00"
 LONGITUDE 80°47'30"
 80 45
 0676

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION LOW GAP SEC. 2111
 2150'E. S.W. 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.
 MARK C. ECHARD
 (SIGNED) R.P.E. L.I.S. 490



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

DATE OCTOBER 5, 1984
 OPERATOR'S WELL NO. IWO
 API WELL NO. 47-017-3370
 STATE VA 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 1150' WATER SHED RIGHT FORK ARNOLD CREEK
 DISTRICT WEST UNION COUNTY DODD BRIDGE
 QUADRANGLE OXFORD 7.5' Block 15, 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 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 GLENVILLE, W.VA. 26351

NOV 13 1984

6-6 Straight Fork- Bluestone Creek (133)

BIAS BLUEPRINT INC. Hghm. W. Va.

RECEIVED

FEB 27 1985

OIL & GAS DIVISION
DEPT. OF MINES

IV-35
(Rev 8-81)



Date February 25, 1985
Operator's
Well No. Samuel Hileman #2
Farm Samuel Hileman
API No. 47 - 017 - 3370

State of West Virginia
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: 1150 Watershed Right Fork Arnold's 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 11/1/84

DRILLING COMMENCED 12/1/84

DRILLING COMPLETED 12/5/84

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

Caging Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	30	0	
9 5/8			
8 5/8	1447	1447	350
7			
5 1/2			
4 1/2	5312	5312	820
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander (Devonian) Depth 5,200 feet

Depth of completed well 5,400 feet Rotary X / Cable Tools none

Water strata depth: Fresh recorded feet; Salt recorded feet

Coal seam depths: 52-58 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Alexander, Benson, Speechley Pay zone depth 5118-5164 4205-4296

Gas: Initial open flow 62 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 775 Mcf/d Final open flow Show Bbl/d

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

Static rock pressure 1840 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 M/shut in 1985

(Continue on reverse side)

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

Fraced Alexander 5118-5164, 15 holes, 543 Bbls water, 40,000# 20/40, 10,000# 80/100
 Fraced Benson 4205-4696, 10 holes, 476 Bbls water, 20,000# 20/40, 10,000# 80/100
 Fraced Speechley 3260-3385, 12 holes, 500 Bbls water, 40,000# 20/40, 10,000# 80/100

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Topsoil			0	12	
Red Rock, Shale			12	52	
Coal			52	58	
Sand, Shale, Red Rock			58	1655	
Sand, Shale			1655	1870	
Big Lime			1870	1936	
Trjun			1936	1960	
Sand, Shale			1960	1976	
Squaw			1976	2014	
Sand, Shale			2014	2180	
Weir			2180	2300	
Sand, Shale			2300	2594	
Fourth Sand			2594	2610	
Sand, Shale			2610	2744	
Fifth Sand			2744	2750	
Sand, Shale			2750	3260	
Speechley			3260	3385	
Sand, Shale			3385	4170	
Riley			4170	4205	
Benson			4205	4696	
Sand, Shale			4696	5118	
Alexander			5118	5164	
Sand, Shale			5164	5400	
					TD

(Attach separate sheets as necessary)

Chase Petroleum, Inc.

Well Operator

By: Alvin K...

Date: February 25, 1985

Note: Regulation 3.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic
 detailed geological record of all formations, including
 level, encountered in the drilling of a well."



1) Date: October 25, 1984
2) Operator's Well No.: Samuel Hileman #2
3) API Well No.: 47-017-3370

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

OIL & GAS DIVISION

DEBILITY FAMILIES Gas B (If Gas Production) Underground storage Deep Shallow

5) LOCATION: Elevation: 1150 Watershed: Right Fork Arnold Creek
District: West Union County: Doddridge Quadrangle: Oxford 7.5
6) WELL OPERATOR: Chase Petroleum, Inc. 7) DESIGNATED AGENT: Alton Skinner
Address: P.O. Drawer 369 Glenville, WV 26351
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Mike Underwood
Address: Route 2, Box 114 Salem, WV 26426

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

11) GEOLOGICAL TARGET FORMATION: Alexander (Devonian)
12) Estimated depth of completed well: 5200 feet
13) Approximate trata depths: Fresh, 150 feet; salt, 1100 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							
Fresh water							
Coal							
Intermediate	8-5/8		20#	400	400	CTS	
Production	4-1/2		10.5#	5150	5150	700 Sks	
Tubing							
Liners							

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3370 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	Fee
35	RD	TS	TS	380\$

Margaret J. Moore
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

