



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1 inch = 500 feet  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION Junction of Rds. E of Location Elev. = 892'

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) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490

*Mark C. Echard*  
 STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 PLACE SEAL HERE

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



DATE APRIL 29 1981  
 OPERATOR'S WELL NO. ONE  
 API WELL NO. 47 - 017 - 3004  
 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 915' WATER SHED CABIN RUN  
 DISTRICT CENTRAL COUNTY DODDRIDGE  
 QUADRANGLE PULLMAN 75' Holbrook Nc  
 SURFACE OWNER NATHAN H. PRIMM HEIRS ACREAGE 37.3  
 OIL & GAS ROYALTY OWNER NATHAN H. PRIMM HEIRS LEASE ACREAGE 37.3  
 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 WEIR ESTIMATED DEPTH 2990'  
 WELL OPERATOR CHASE PETROLEUM CORP. DESIGNATED AGENT MR. ALTON SKINNER  
 ADDRESS P.O. BOX 297 ADDRESS P.O. BOX 297  
GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351 MAY 26 1981



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division  
WELL RECORD

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas   
Recycling \_\_\_\_\_ Cumb \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Pullman 7.5  
Permit No 47-017-3004

Company Chase Petroleum  
Address P.O. Drawer 369, Glenville, W.Va. 26351  
Farm Primm Acres 37.3  
Location (waters) Cabin Run  
Well No. Nathan Primm # 1 Elev. 915  
District Central County Doddridge  
The surface of tract is owned in fee by Nathan Primm Heirs  
Address Ellenboro, W.Va. 26346  
Mineral rights are owned by Nathan Primm Heirs  
Address Ellenboro, W.Va. 26346  
Drilling Commenced May 22, 1981  
Drilling Completed May 28, 1981  
Initial open flow 55,000 cu. ft. 0 bbls.  
Final production 500,000 cu. ft. per day 0 bbls.  
Well open 4 hrs. before test 1175 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft (Sks)
Size 20-16			
Cond. 13-10" 11 3/4	20	0	
9 5/8			
8 5/8 23#	1461	1461	CTS
7			
5 1/2			
4 1/2 10.5 #	2433	2433	200 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.  
Fraced Berea: 2384- 2386; 5 holes; 583 bbls. Total Fluid; 10,000 #80/100  
30,000 # 20/40  
Fraced Weir: 2200- 2250; 18 holes; 763 bbls. Total Fluid: 20,000 # 80/100  
90,000 # 20/40

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 35 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Berea, Weir Depth 2384- 2386: 2200- 2250  
Berea Weir

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			0	20		
Sand			20	90		
Red Rock & Sand			90	112		
Sand			112	145		
Shale			145	225		
Sand			225	250		
Red Rock			250	260		
Sand			260	310		
Red Rock & Sand			310	645		
Sand			645	660		
Shale & Sand			660	710		
Shale			710	875		
Sand			875	910		
Shale			910	1045		
Sand			1045	1190		
Shale & Sand			1190	1510		
Sand & Shale			1510	1810		
Shale			1810	1817		
Sand			1818	1839		
Shale			1839	1855		
Big Lime			1855	2032		
Shale			2032	2474		
Shale			2474	2477TD		

**RECEIVED**  
OCT 28 1981  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water • Remarks

Date 10/23 1981

APPROVED Alton Skinner



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

MAY - 5 1981

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

Surface Owner Nathan Primm Heirs  
Address Ellenboro, W.Va. 26346  
Mineral Owner Nathan Primm Heirs  
Address Ellenboro, W.Va. 26346  
Coal Owner Lessors (if any)  
Address \_\_\_\_\_  
Coal Operator none  
Address \_\_\_\_\_

DATE May 1, 1981  
Company Chase Petroleum  
Address Drawer 369, Glenville W.Va. 26351  
Farm Nathan Primm Heirs Acres 37.3  
Location (waters) Cabin Run  
Well No. Nathan Primm #1 Elevation 915  
District Central County Doddridge  
Quadrangle Pullman 7.5

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 1-12-82

INSPECTOR TO BE NOTIFIED Stephen Casey  
ADDRESS Jane Lew, W.Va. 26378  
PHONE 884-7470

Joseph B. Birtle  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated May 20, 1980 by C.A. Stricklin made to Alton Skinner and recorded on the 29th day of December 1980 in Doddridge County, Book 118 Page 539

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1960.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 8 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective addresses \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Very truly yours, Alton Skinner  
(Sign Name) P.O. Drawer 369  
Well Operator  
Glenville  
Street  
W.Va. 26351  
City or Town  
State

SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit relating the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-017-3004 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."  
Signed by Alton Skinner

**THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN X FRACTURE STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR (If Known) \_\_\_\_\_ RESPONSIBLE AGENT \_\_\_\_\_  
 NAME unknown \_\_\_\_\_ NAME Alton Skinner \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ ADDRESS Glenville, W.Va. 26351 \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ TELEPHONE 462-7900 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 2990 \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Weir \_\_\_\_\_  
 TYPE OF WELL OIL \_\_\_\_\_ GAS X COMB \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	FEET IN WELL	CEMENT LIFT UP OR SACKS (CUBIC FT)
20 - 16			
13 - 10 11 3/4	30	-0-	
9 - 5/8			
8 - 5/8 23#	800	800	CTS
7			
5 7/8			
4 1/2 10.5#	2940	2940	200 sks
			Part Top
			Part Bottom
			Part Top
			Part Bottom

APPROXIMATE FRESH WATER DEPTHS 30 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS NONE \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

**TO DRILL:**  
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

**TO DRILL DEEPER OR REDRILL:**  
 SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

**TO FRACTURE - STIMULATE:**  
 OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.  
 OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.  
 Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.  
 We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
 For Coal Company  
 \_\_\_\_\_  
 Official Title