



FILE NO. CHASE 1-55
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Junction of roads 500' S of Location ELEV. = 869'

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
 LICENSED
 No. 490
 STATE OF WEST VIRGINIA
 PLACE SEAL HERE

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

DATE FEBRUARY 15, 1982
 OPERATOR'S WELL NO. ONE
 API WELL NO. 3083
 47 - 017 - 3083
 STATE COUNTY PERMIT
 (Corrected Permit No)



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 882' WATER SHED FRED'S RUN
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE OXFORD 75 Holbrook 15' NC
 SURFACE OWNER OKEY LEGGETT ACREAGE 140.28
 OIL & GAS ROYALTY OWNER OKEY LEGGETT LEASE ACREAGE 140.28
 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' 4300' APR 6 1982
 WELL OPERATOR CHASE PETROLEUM, INC. DESIGNATED AGENT MR ALTON SKINNER
 ADDRESS P.O. BOX 297 ADDRESS P.O. BOX 369
 GLENVILLE, W.Va. 26351 GLENVILLE, W.Va. 26351



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

RECEIVED

APR 29 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Quadrangle Oxford 7.5
Permit No 47-017-3083

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

Company Chase Petroleum, Inc
Address P.O. Drawer 369, Glenville, W.Va. 26341
Farm Okey Leggett Acres 141
Location (waters) Fred's Run
Well No. Okey Leggett #1 Elev. 882
District Southwest County Doddridge
The surface of tract is owned in fee by Okey Leggett

Address Rt. #1, West Union, W.Va. 26456
Mineral rights are owned by Okey Leggett
Address West Union, W.Va. 26456
Drilling Commenced March 22, 1982
Drilling Completed March 27, 1982
Initial open flow 55428 cu. ft. 0 bbls.
Final production 490000 cu. ft. per day 0 bbls.
Well open 4 hrs. before test 1275 MP

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft (Sks)
Size 20-16			
Cond. 13-10" 11 3/4	30	30	
9 5/8			
8 5/8 23#	1047.47	1047.47	CTS
7			
5 1/2			
4 1/2 10.5#	3695	3695	430 SKS
3			
2			
Lines Used			

Well treatment details:

Attach copy of cementing record.

Fraced Balltown: 3527-3566; 15 Holes; 690 Bbls. Total Fluid; 14,000 #80/100	56,000 #20/40
Fraced Balltown: 3224-3280; 13 Holes; 475 Bbls. Total Fluid; 14,000 #80/100	28,000 #20/40
Fraced Speechley: 3102-3187; 18 Holes; 701 Bbls. Total Fluid; 14,000 #80/100	56,000 #20/40

Coal was encountered at 175 Feet _____ Inches
Fresh water 70 Feet _____ Salt Water _____ Feet
Producing Sand Balltown, Balltown, Speechley Depth 3527-3566; 3224-3280; 3102-3187

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			50	56		
Sand			56	70		
Shale & Red Rock			70	115		
White Sand			115	123		
Sand & Shale			123	145		
Red Rock			145	150		
Sand			150	175		
Coal			175	177		
Sand & Shale			177	180		
Red Rock & Shale			180	224		
Sand			224	230		
Red Rock & Shale			230	290		
Sand			290	304		
Shale			304	310		
Sand			310	315		
Sand & Shale			315	328		
Sand			328	332		
Sand & Shale			332	353		
Shale & Red Rock			353	397		
Sand			397	403		
Shale			403	414		
Sand			414	420		
Shale			420	436		
Sand			436	448		
Shale			448	462		

MAY 3 1982

017-3083

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand			462	470		
Sand & Shale			470	555		
Red Rock & Shale			555	585		
Sand			585	600		
Sand & Shale			600	683		
Red Rock			683	700		
Shale			700	760		
Red Rock			760	803		
Sand & Shale			803	850		
Shale			850	884		
Sand			884	897		
Sand & Lime			897	903		
Sand & Shale			903	1000		
Shale			1000	1026		
Sand			1026	1047		
Shale			1047	1066		
Sand			1066	1136		
Shale			1136	1142		
Sand			1142	1155		
Shale			1155	1167		
Sand			1167	1182		
Shale			1182	1188		
Sand			1188	1209		
Shale			1209	1213		
Sand & Shale			1213	1238		
Sand			1238	1254		
Shale			1254	1259		
Sand			1259	1322		
Sand & Shale			1322	1327		
Sand			1327	1365		
Sand & Shale			1365	1380		
Sand			1380	1460		
Shale			1460	1480		
Sand			1480	1495		
Shale			1495	1540		
Sand			1540	1575		
Shale			1575	1606		
Sand			1606	1646		
Shale			1646	1740		
Injun Sand & Lime			1740	1864		
Sand & Shale			1864	2452		
Shale			2452	2470		
Sand & Shale			2470	2595		
Shale			2595	2645		
Sand & Shale			2645	2848		
Sand			2848	2960		
Shale			2960	3818		
Sand			3818	3832		
Shale			3832	3839		
Sand & Shale			3839	3860		
Shale			3860	4270		
Brown Sand <i>BENSON</i>			4270	4290		
Shale			4290	4307	T.D.	

Date 4/28 1982

APPROVED BY:

Alton Skinner

RECEIVED

MAR 03 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



Well No. Okey Leggett #1
Farm Okey Leggett
API # 47 - 017 - 0079 - 017-3082
Date February 19, 1982

Corrected Permit Number

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas x /

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

LOCATION: Elevation: 882 Watershed: Fred's Run
District: Southwest County: Doddridge Quadrangle: Oxford 7.5

WELL OPERATOR: Chase Petroleum, Inc
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: Okey Leggett
Address: Route 1
West Union, WV 26456
Acreage: 141

COAL OPERATOR: none
Address:

SURFACE OWNER: Okey Leggett
Address: Route 1
West Union, WV 26456
Acreage: 141

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

FIELD SALE (IF MADE) TO:
NAME: uncommitted
Address:

NAME:
Address:

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

COAL LESSEE WITH DECLARATION ON RECORD:
NAME: none
Address:

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 9/23, 1981, to the undersigned well operator from Okey Leggett.

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

Recorded on 9/24, 1981, in the office of the Clerk of County Commission of Doddridge County, West Virginia, in Lease Book at page 95. 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 any 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 Dept. 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, Inc.
Well Operator

By: Alton Skinner

Its: Agent

(Revised 3-81)

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 Weir
Estimated depth of completed well 2990 feet. Rotary / 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 /

CASING AND TUBING PROGRAM

CASING 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		1000	1000	CTS
Production	4 1/2		10.5#	x		2940	2940	325 SKS Depths set
Tubing								
Liners								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 §22-4-3, (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,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 11-10-82.

BY [Signature]

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 well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: _____, 19____.

By: _____