



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Jct Rds. 2200' NE
of Location Elev. = 841'

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

PLACE SEAL HERE

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



DATE NOVEMBER 14, 1980
 OPERATOR'S WELL NO. TWO
 API WELL NO. 47-017-2898
 STATE WV COUNTY DODDRIDGE 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 1220' WATER SHED SOUTH FORK OF HUGHES RIVER
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5' Holbrook NC
 SURFACE OWNER N.H. LEGGETT, et al ACREAGE 121
 OIL & GAS ROYALTY OWNER N.H. LEGGETT, et al LEASE ACREAGE 121
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTH:R PHYSICAL CHANGE IN WELL (SPECIF) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5900'
 WELL OPERATOR CHASE PETROLEUM CORP. DESIGNATED AGENT MR. ALTON SKINNER
 ADDRESS BOX 297 ADDRESS BOX 297
GLENNVILLE, W.V. 26351 GLENNVILLE, W.V. 26351

JAN 18 1981

6-6 Straight Fork - Bluestone Creek (133)



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

RECEIVED
OIL AND GAS DIVISION
DEPARTMENT OF MINES
OCT 13 1981

Quadrangle Oxford 7.5
 Permit No. 47-017-2898 REN

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

Company Chase Petroleum
 Address P.O. Drawer 369, Glenville, W.Va. 26351
 Farm N.H. Leggett Acres 121
 Location (waters) South Fork of Hughes River
 Well No. Hedrick Leggett # 2 Elev. 1220
 District Southwest County Doddridge
 The surface of tract is owned in fee by N.H. Leggett et.al.
 Address Oxford, W.Va. 26414
 Mineral rights are owned by N.H. Leggett et.al.
 Address Oxford, W.Va. 26414
 Drilling Commenced August 24, 1981
 Drilling Completed August 31, 1981
 Initial open flow 21,000 cu. ft. 0 bbls.
 Final production 915,000 cu. ft. per day 0 bbls.
 Well open 10 hrs. before test 1800 HP

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft (Sks.)
Size <u>20-16</u>			
Cund. <u>13-10" 11 3/4</u>	<u>20</u>	<u>0</u>	
<u>9 5/8</u>			
<u>4 5/8 23#</u>	<u>1648</u>	<u>1648</u>	CTS
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2 10.5 #</u>	<u>5385</u>	<u>5385</u>	700 sks.
<u>3</u>			
<u>2</u>			
Lines Used			

Well treatment details:
 Fraced Alexander: 5254-5302; 20 holes; 670 bbls. total fluid; 20,000# 80/100
 Fraced Benson: 4924-4992; 10 holes; 835 bbls. total fluid; 20,000# 80/100
 Fraced Riley: 4564-4596; 17 holes; 442 bbls. total fluid; 20,000# 80/100
 Coal was encountered at none feet
 Fresh water 105 feet
 Producing Sand Alexander, Benson, Riley Salt Water Depth 5254-5302; 4924-4992; 4564-4596 feet
 Attach copy of cementing record. 915 MCF

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			49	53		
Sand			53	78		
Shale			78	83		
Sand			83	109		
Shale & Red Rock			109	130		
Sand			130	138		
Sand & Shale			138	141		
Sand			141	154		
Red Rock & Shale			154	161		
Sand			161	183		
Shale & Red Rock			183	210		
Sand			210	241		
Shale & Red Rock			241	265		
Sand			265	288		
Red Rock & Shale			288	306		
Sand			306	328		
Red Rock & Shale			328	340		

OCT 13 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand			340	352		
Red Rock & Shale			352	430		
Sand			430	436		
Shale			436	440		
Sand			440	449		
Shale & Red Rock			449	472		
Sand			472	475		
Shale			475	500		
Sand			500	513		
Shale			513	525		
Red Rock			525	537		
Sand & Shale			537	589		
Sand			589	600		
Sand & Shale			600	673		
Shale			673	689		
Sand & Lime			689	701		
Shale			701	784		
Sand			784	807		
Shale			807	1183		
Sand			1183	1193		
Shale			1193	1320		
Sand			1320	1360		
Sand & Shale			1360	1560		
Black Shale			1560	1573		
Sand & Shale			1573	1595		
Black & Shale			1595	1803		
Sand			1803	1832		
Sand & Shale			1832	1837		
Sand			1837	1845		
Shale			1845	1850		
Sand			1850	1856		
Sand & Shale			1856	1946		
White Sand			1946	1977		
Sand & Shale			1977	2014		
Big Lime			2014	2102		
Shale			2102	2114		
Injun Sand			2114	2140		
Sand & Shale			2140	3339		
Sand			3339	3414		
Sand & Shale			3414	4958		
Brown Benson Sand			4958	4968		
Sand & Shale			4968	5230		
Alexander Shale			5230	5280		
Shale			5280	5490	T.D.	

Date 9/23 1981
Alton Skinner

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

RILLING CONTRACTOR (IF KNOWN) Unknown

Address

GEOLOGICAL TARGET FORMATION Alexander

Estimated depth of completed well 5900 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 30 feet; salt, - feet.
Approximate coal seam depths: No Coal
Is coal being mined in this area: Yes / No X /

DRILLING AND TUBING PROGRAM

Table with columns: DRILLING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For Drilling, Left in Well), CEMENT FILL (UP OR SACKS, Cubic ft.), PACKERS (Kinds, Sizes, Depths set, 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 §22-4-2, (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, of the W. Va. Code, the location is hereby approved for drilling renewed. This permit shall expire if operations have not commenced by 4-10-82

Deputy Director - Oil & Gas Division

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 coal operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19 .

By:

Its:

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /

LOCATION: Elevation: 1220 Watershed: South Fork of Hughes River

District: Southwest County: Doddridge Quadrangle: Oxford 7.5

WELL OPERATOR Chase Petroleum
Address P.O. Drawer 369
Glenville, W.Va. 26351

DESIGNATED AGENT Alton Skinner
Address P.O. Drawer 369
Glenville, W.Va. 26351

OIL & GAS ROYALTY OWNER N.H. Leggett, et al
Address Oxford, W.Va. 26414

COAL OPERATOR None
Address

ACREAGE 121

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER N.H. Leggett, et al
Address Oxford, W.VA. 26414
ACREAGE 121

Name No Coal
Address
RECEIVED
DEC - 5 1980

FIELD SALE (IF MADE) TO:
Name Uncommitted
Address

Name
Address OIL & GAS DIVISION
DEPT. OF MINES

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
Name Paul Garrett

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 November 28, 1980, to the undersigned well operator from N.H. Leggett, et al (if said deed, lease or other contract has been recorded:)
Recorded on ____, 19__, in the office of the Clerk of the County Commission of ____, West Virginia, in Book ____, at page ____. 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 the receipt of this Application by Department. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed 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 Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 15 Washington Street East

Chase Petroleum
Well Operator
Alton Skinner

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Co. Address Buckhannon, W.Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5900 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 30 feet; salt, - feet.

Approximate coal seam depths: No Coal Is coal being mined in the area? Yes / No X /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, 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 § 22-4-2, (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-3 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-3 filed in connection therewith.

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 8-10-81.

J. J. Huzzey Deputy Director Oil & Gas Division

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 regulations.