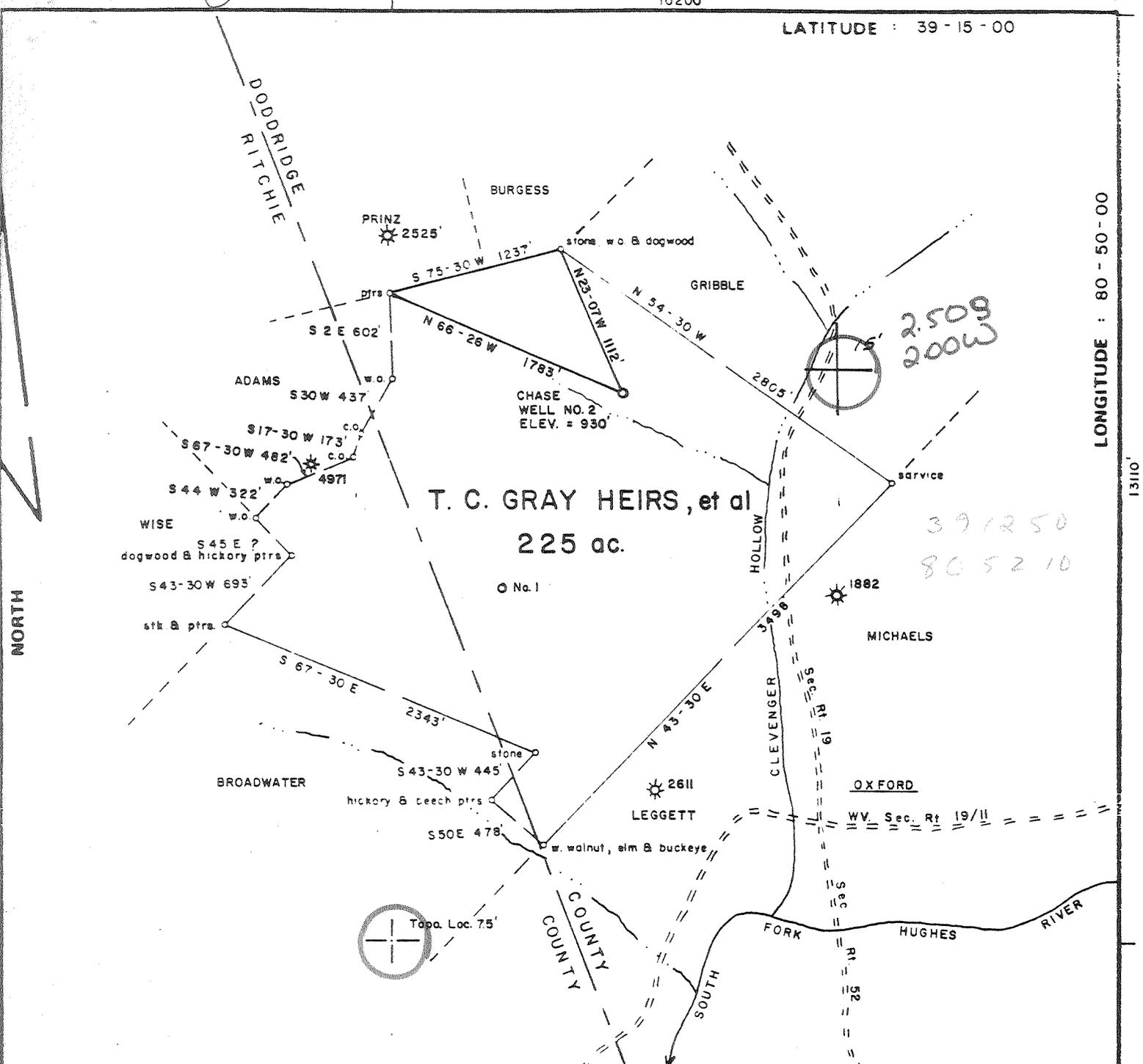


NORTH



2509
200W

391250
805210

FILE NO. CHASE 1-14
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Jct of roads NE of Location
 ELEV. = 877'

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
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE AUGUST 5, 1981
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____
47 - 017 - 3043
 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 930' WATER SHED SOUTH FORK of HUGHES RIVER
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5' Holbrook 15' NC
 SURFACE OWNER THOMAS C. GRAY HEIRS, et al ACREAGE 225
 OIL & GAS ROYALTY OWNER THOMAS C. GRAY HEIRS, et al LEASE ACREAGE 225
 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 DEVONIAN SHALE ESTIMATED DEPTH 5990'
 WELL OPERATOR CHASE PETROLEUM CORP DESIGNATED AGENT MR. ALTON SKINNER
 ADDRESS PO BOX 297 ADDRESS PO BOX 297
6-4 GLENVILLE WY 26355 STRAIGHT PT GLENVILLE, WV 26355

SEP 22 1981

133



RECEIVED

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

JAN 8 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Oxford 7.5

Permit No 47-017-3043

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

Company Chase Petroleum, Inc.
Address P.O. Drawer 369, Glenville, W.Va. 26351
Farm Gray Acres 225
Location (waters) South Fork of Huges River
Well No. Gray # 2 Elev. 930
District Southwest County Doddridge
The surface of tract is owned in fee by T.C. Gray Heirs et al

Address _____
Mineral rights are owned by T.C. Gray Heirs et al.
Address _____

Drilling Commenced Nov. 30, 1981
Drilling Completed Dec. 7, 1981
Initial open flow 24789 cu. ft. 0 bbls.
Final production 1200000 cu. ft. per day show bbls.
Well open 6 hrs. before test 1900 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft (Sks)
Size			
20-16			
Cond.			
13-10" #1 3/4	149.15	149.15	25 SKS.
9 5/8			
M 5/8 23 #	1904	1904	CTS.
7			
5 1/2			
4 1/2 10.5#	5228	5228	605 SKS.
3			
2			
Lines Used			

Well treatment details:

Attach copy of cementing record.

Fraced Balltown; 3688-3760; 17 Holes; 734 bbls. Total Fluid; 20,500 #80/100
56,000 #20/40

Fraced Shale: 3968-3922; 22 Holes N2 Fraced.

Fraced Riley; 4400-4185; 15 Holes; 715 BBLs. Total Fluid; 20,000 #80/100
56,000 #20/40

Coal was encountered at None Feet _____ Inches _____
Fresh water 115 Feet _____ Salt Water _____ Feet _____
Producing Sand Balltown, Shale, Riley Depth 3688-3760; 3968-3922; 4400-4185

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks
Sand			50	65		
Shale			65	84		
Sand & Shale			84	114		
Sand			114	117		
Shale			117	124		
Sand			124	125		
Sand & Shale			125	153		
Sand			153	210		
Sand & Shale			210	225		
Sand			225	230		
Shale & Red Rock			230	274		
Lime & Sand			274	280		
Shale			280	292		
Sand			292	300		
Sand & Shale			300	310		
Red Rock & Shale			310	325		
Sand			325	328		
Shale & Red Rock			328	360		
Sand & Shale			360	382		
Sand			382	385		
Sand & Shale			385	415		
Shale & Red Rock			415	427		
Sand & Shale			427	436		
Shale & Red Rock			436	441		
Sand			441	447		

JAN 27 1982

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale & Red Rock			447	528		
Sand			528	557		
Shale			557	565		
Sand			565	608		
Shale			608	613		
Sand & Lime			613	626		
Red Rock & Shale			626	644		
Sand & Lime			644	655		
Shale & Red Rock			655	668		
Sand & Shale			668	683		
Sand			683	710		
Shale & Red Rock			710	743		
Sand & Shale			743	752		
Sand			752	764		
Sand & Shale			764	802		
Sand			802	806		
Sand & Shale			806	819		
Red Rock & Shale			819	850		
Sand			850	905		
Shale			905	921		
Sand			921	964		
Shale			964	980		
Red Rock & Shale			980	1041		
Sand & Shale			1041	1120		
Sand			1120	1183		
Shale			1183	1212		
Sand			1212	1235		
Shale			1235	1255		
Sand			1255	1330		
Sand & Shale			1330	1350		
Shale & Red Rock			1350	1368		
Sand & Shale			1368	1400		
Shale			1400	1420		
Sand & Shale			1420	1507		
Shale			1507	1560		
Sand & Shale			1560	1664		
Sand			1664	1669		
Sand & Shale			1669	1695		
Sand			1695	1750		
Sand & Shale			1750	1771		
Sand			1771	1783		
Sand & Shale			1783	1795		
Sand & Lime			1795	1810		
Shale			1810	1847		
Sand			1847	1872		
Big Lime			1872	1965		
Injun Sand			1965	2035		
Sand & Shale			2035	2053		
Sand			2053	2333		
Sand & Shale			2333	3287		
Sand			3287	3320		
Sand & Shale			3320	3393		
Sand			3393	3405		
Sand & Shale			3405	3550		
Sand			3550	3630		
Sand & Shale			3630	4442		
Brown Sand			4442	4480		
Sand & Shale			4480	4765		
Brown Sand			4765	4775		
Sand & Shale			4775	4780		
Brown Sand			4780	4785		
Sand & Shale			4785	4830		
Benson Sand			4830	4834		
Sand & Shale			4834	5018		
Sand <i>ALEX.</i>			5018	5090		
Sand & Shale			5090	5331		
					T.D.	

Date 1/7 19 82

APPROVED BY

Alton Shiner

(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 Devonian Shale

Estimated depth of completed well 5990 feet. Rotary x / Cable tools /

Approximate water strata depths: Fresh, 30 feet; salt, -0- feet.

Approximate coal seam depths: none

Is coal being mined in this area: Yes / No x /

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	Left in Well		
Conductor	11 3/4				X	30	-0-		Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8		23 #	X		1800	1800	CTS	
Production	4 1/2		10.5 #	X		5940	5940	725 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 §22-4-2, (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 _____. This permit shall expire if operations have not commenced by 5-11-82.


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

Date: _____, 19____.

By: _____

Its: _____