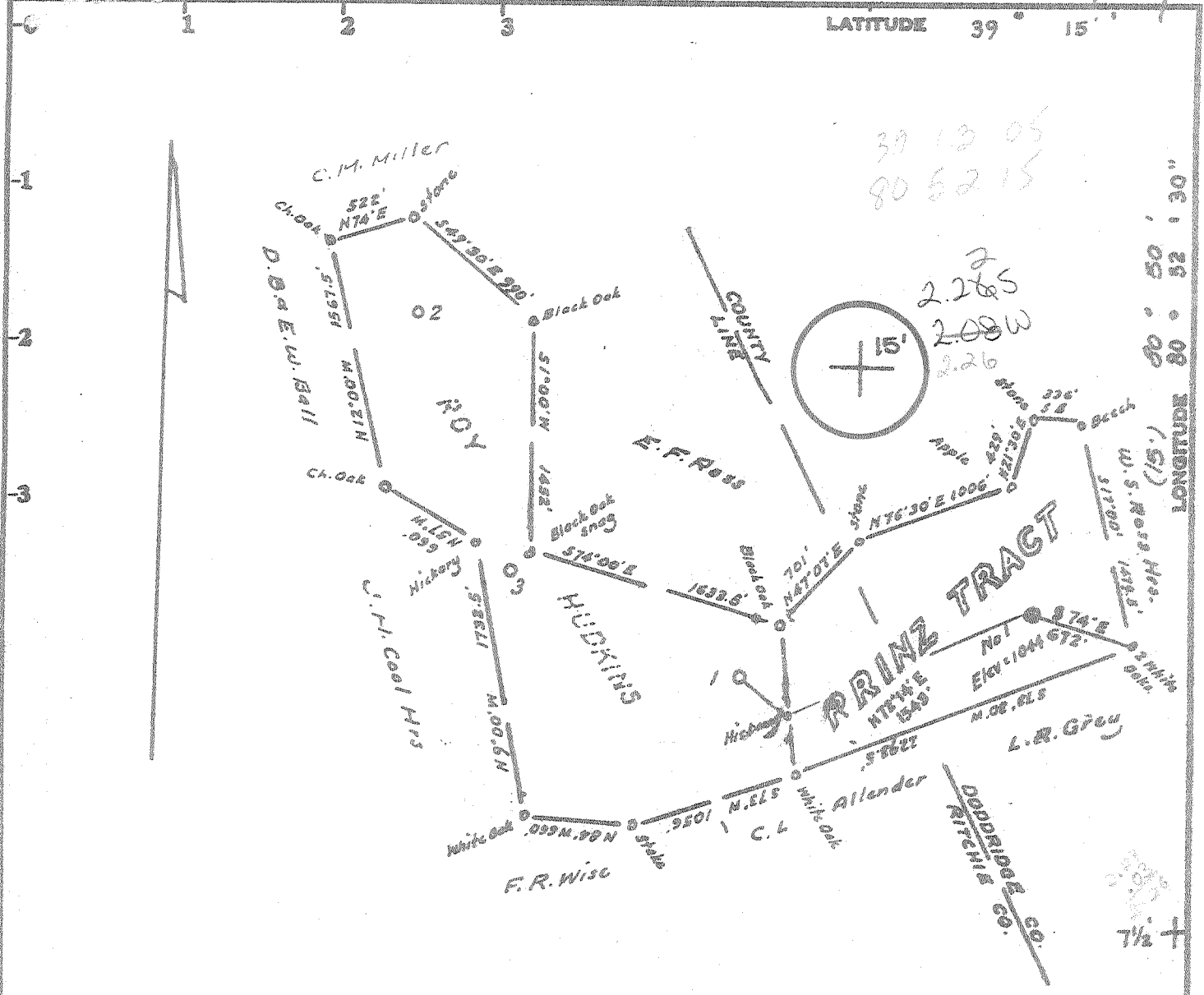


10/30/79 *BJ*



LEGEND

- Lines plotted from deed calls
- Surveyed Lines
- County Line
- Well Location

OWNERSHIP

- No coal
- Surface: - Ralph Cunningham
West Union, W.Va.
- Oil & Gas: - Donna L. Williams, et al
Pensboro, W.Va.

Minimum Error of Closure 1 in 200'

Sources of Elevation Elev. Hudkins No. 1 = 1123

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: *W. J. Mabrey*
Squares: N S E W

Map No. _____

Company Chase Petroleum
 Address P.O. Box 297, Glenville, W.Va.
 Farm Prinz Tract
 Tract _____ Acres 65.7 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1044' *NC*
 Quadrangle Pullman 7 1/2', HOLBROOK 15'
 County Doddridge District Central
 Engineer *W. J. Mabrey*
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Oct. 25, 1979 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 47-017-2525

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000 latitude and longitude lines being represented by border lines as shown.
 NOV 26 1979
 -- Denotes one inch spaces on border line of original tracing.

6-6 Straight Fork-Bluestone Creek (133)

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

Fraced Alexander 5294-5311, 18 holes, 630bbls total fluid, 10,000 # 80/100
40,000 # 20/40

Fraced Benson 5006-5010, 12 holes, 489bbls total fluid, 50,000 # 80/100
15,000 # 20/40

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
ord.			G.L.	29	
and & Shale			29	90	
and			90	108	
ed Rock			108	110	
ard			110	125	
and & Shale			125	300	
ed Rock & Shale			300	364	
and & Shale			364	380	
ed Rock & Shale			380	420	
and			420	430	
ad & Shale			430	440	
ed Rock & Shale			440	470	
and & Shale			470	1630	
ard			1630	1700	
and & Shale			1700	1722	
and			1722	1850	
and & Shale			1850	2060	
ittle Lime			2060	2080	
hale			2080	2095	
ig Lime			2095	2215	
njun Sand			2215	2235	
and & Shale			2235	5020	
ittle Brown Sand			5020	5030	
and & Shale			5030	5330	
and			5330	5360	
and & Shale			5360	5620TD	Brallier

(Attach separate sheets to complete as necessary)

Chale Petroleum
Well Operator

By Alton Skinner
Its Owner/Agent

NOTE: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

[08-78]

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, 5670 feet Rotary / Cable tools /
Approximate water strata depths: Fresh, 20 feet; salt, 400 feet.
Approximate coal seam depths: No Coal Is coal being mined in the area? Yes / No /


CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	12"				X	30'	30'	Kinds
Fresh water	12"				X	30'	30'	
Coal								Sizes
Intermediate	8-5/8			X		1850'	1850'	CTS
Production	4-1/2			X		5625'	5625'	2200
Tubing								Depths set
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.

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 7-1-80.


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.

By _____
Its _____