

Company - Quaker State Oil
 Address - Parkersburg, WV 26101
 Farm - S A HURST JR.
 Tract 46 1/2 Acres 211 Lease No. _____
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 935.4
 Quadrangle VADIS
 County DODDRIDGE District NEW MILTON
 Engineer H. F. Johnston
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date MAR 6, 1962 Scale 1"=400'

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

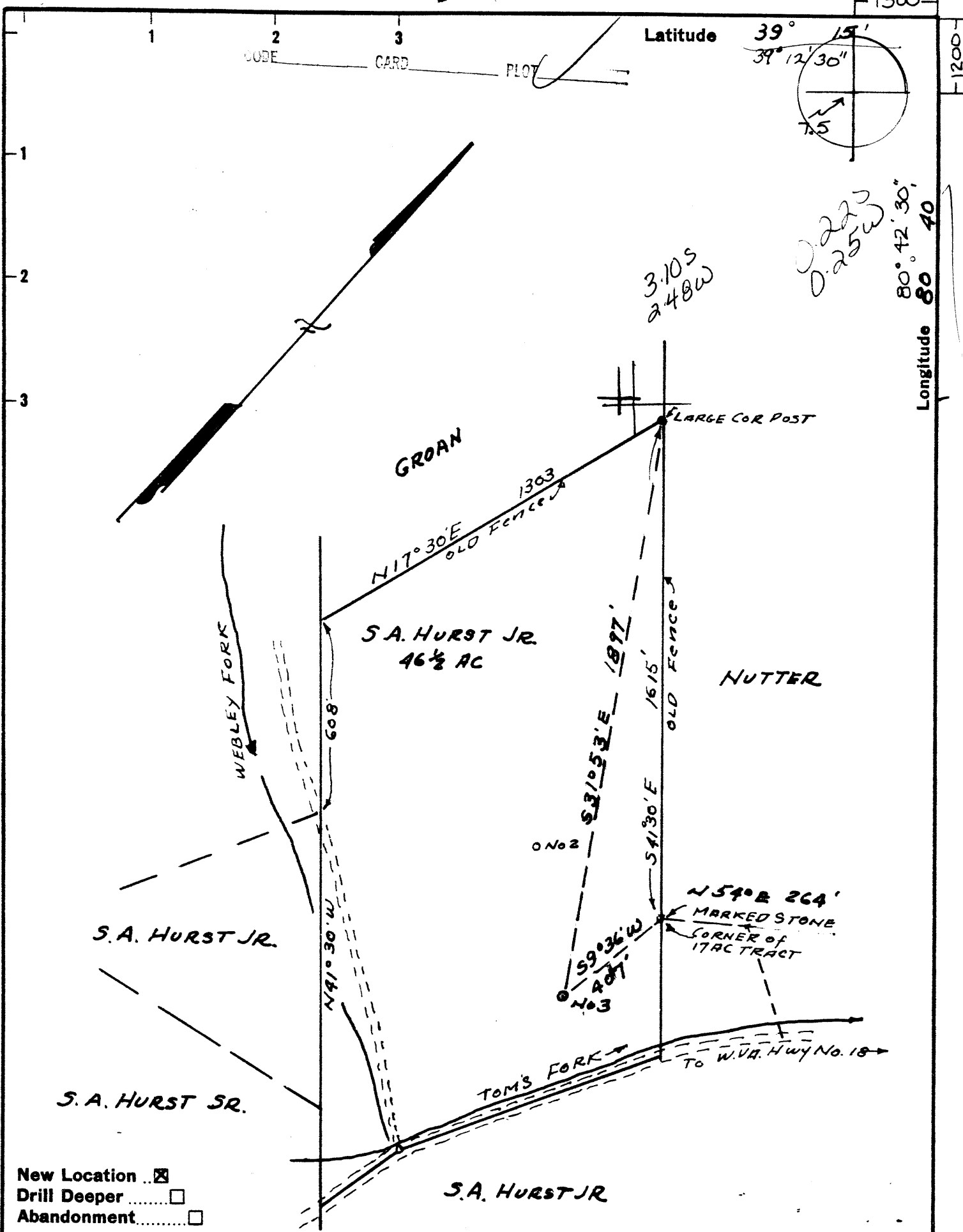
WELL LOCATION MAP
 FILE NO. 200-745-F
 FRAC CANCELLED

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

MAR 4 1962

DODD 0745-F



New Location
 Drill Deeper
 Abandonment

Company Quaker State Oil
 Address Parkersburg, WV 26101
 Farm S A HURST JR.
 Tract 46 1/2 Acres 211 Lease No. _____
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 935.4
 Quadrangle VADIS 123 NW
 County DOODRIDGE District NEW MILTON 6
 Engineer H. F. Johnston
R. L. Marshall - SURVEYOR
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date MAY 6, 1962 Scale 1"=400'

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

WELL LOCATION MAP
 FILE NO. 200-745-F

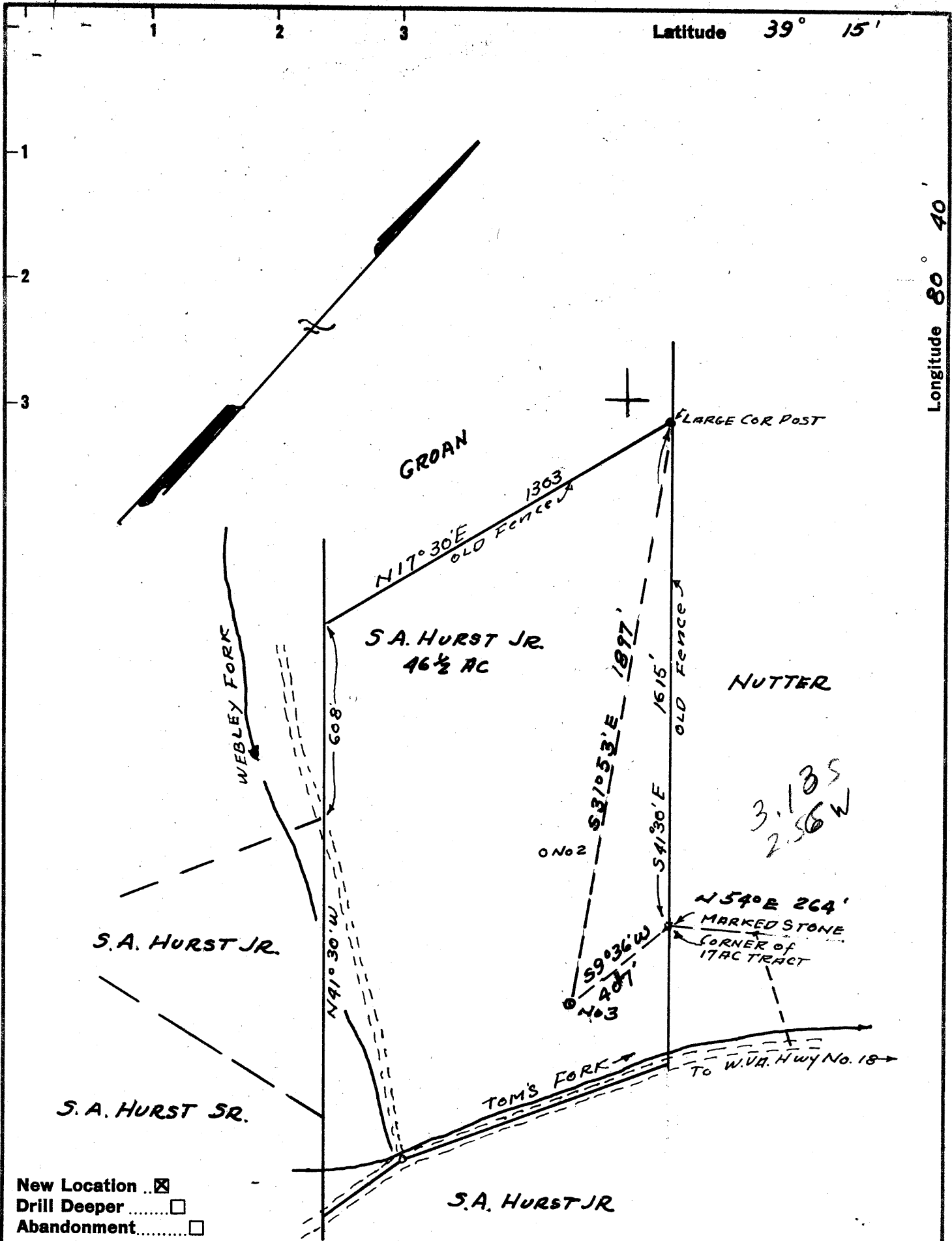
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

721
new Milton
MAY 21 1962

Latitude 39° 15'

Longitude 80° 40'



New Location
 Drill Deeper
 Abandonment

Company DEVONIAN OIL & GAS CO.
 Address 2003 COMMONWEALTH BLDG. PITTSBURGH 22, PA.
 Farm S A HURST JR.
 Tract 46 1/2 Acres 211 Lease No. _____
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 935.4
 Quadrangle VADIS NW
 County DODDRIDGE District NEW MILTON
 Engineer H. F. Johnston
R. L. Marshall - Surveyor
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date MAY 6, 1962 Scale 1"=400'

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

WELL LOCATION MAP
 FILE NO. Doc-745

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Vadis

Permit No. Dod-745

WELL RECORD

Oil or Gas Well Both
(KIND)

Company Devonian Gas & Oil Company
Address 1112 Benedum Trees Bldg., Pgh. 22, Pa.
Farm Stokes Hurst, Jr. Acres 211
Location (waters) Tom's Fork
Well No. 3 Elev. 935.4
District New Milton County Doddridge
The surface of tract is owned in fee by Stokes Hurst, Jr. et ux. 102 Beech St., Address West Union, W. Va.
Mineral rights are owned by Stokes Hurst, Jr., 102 Beech St., West Union & J. C. Dicks et ux., Petroleum Address West Virginia
Drilling commenced March 20, 1962
Drilling completed April 5, 1962
Date ~~Start~~ Perforated 3-30-62 From 1972' and To 1989'
With 4-1" jets and 8-1" jets respectively
Open Flow /10ths Water in Inch
/10th Merc in Inch
Volume estimated 700,000 Cu. Ft.
Rock Pressure approx. 600 lbs. 12 hrs.
Oil approx. 100 bbls., 1st 24 hrs.
WELL ACIDIZED Mud acid approx. 200 gal.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10 9 5/8"	65'	65'	Size of
8 3/4"			
6 5/8"			Depth set
5 3/16"			
5 1/2"		2116'	Perf. top
2"		1,966'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 5 1/2" SIZE 2,116' No. Ft. 4-2-62 Date
50 sks. cement - Dowell

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED approx. 900 bbl. and approx. 44,000 lbs. 20-40 sand

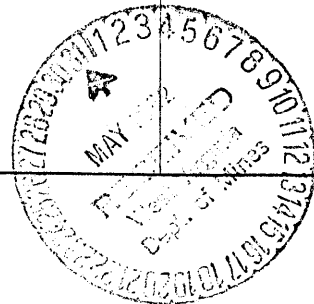
RESULT AFTER TREATMENT 100 bbl. flowing through 2" tubing choke valve 1/16" opening

ROCK PRESSURE AFTER TREATMENT approx. 450 lbs.

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top soil	Red	Soft	0	5			This well drilled using mud-filled hole Depth of salt and fresh water cannot be determined when drilling with rotary.
Lime Stone	Gray	Hard	5	52			
Shale & Shells	Blue	Med. Soft.	52	120			
Red Rock	Red	Soft	120	140			
Slate	Gray	Soft	140	200			
Red Rock	Red	Soft	200	230			
Sand	Brown	Soft	230	260			
Slate & Shells	Gray & White	Soft	260	391			
Sand	Brown	Soft	391	461			
Slate	Gray	Soft	461	691			
Sand	Brown	Soft	691	811			
Slate	Gray	Soft	811	1,066			
Sand	Brown	Soft	1,066	1,201			
Slate	Gray	Soft	1,201	1,266			
Sand	Brown	Soft	1,266	1,401			
Slate & Shells	Gray	Hard	1,401	1,504			
Sand & Slate	Brown & Gray	Hard	1,504	1,719			
Slate w/streaks of sand	Gray	Hard	1,719	1,769			
Sand	Brown	Hard	1,769	1,793			
Slate	Gray	Hard	1,793	1,805			
Line	White & Gray	Hard	- 1,805	1,972)	Gas & Oil		
Injun Sand	Brown	Hard	1,972	1,990)			
Slate	Gray	Hard	1,990	2,116			

(over)





1) Date: October 21, 1985
 2) Operator's Well No. S.A. HURST, JR. #3
 3) API Well No. 47-017-0745-F
 State County Permit

RECEIVED
DEC 26 1985

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY
- 4) WELL TYPE: Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 935.4' Watershed: Tom's Fork of Meathouse Fork
 District: New Milton 721 County: Doddridge Quadrangle: Vadis 15' / New Mi
- 6) WELL OPERATOR: QUAKER STATE OIL CODE: 40400 7) DESIGNATED AGENT: Samuel F. Barber
 Address: P.O. Box 1327 Address: P.O. Box 1327
Parkersburg, WV 26101 Parkersburg, WV 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name: Mike Underwood
 Address: Route #2, Box 114
Salem, WV 26426 (304) 782-1043
- 9) DRILLING CONTRACTOR: Name: Company Service Rig
 Address:
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate XX
 Plug off old formation / Perforate new formation XX
 Other physical change in well (specify) Set Temporary Bridge Plug @ 1950'
- 11) GEOLOGICAL TARGET FORMATION, Blue Monday 335
- 12) Estimated depth of completed well, 2116' feet
- 13) Approximate trata depths: Fresh, N/A feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No XX

15) 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	Left in well		
Conductor									Kinds
Fresh water	9 5/8"			XX		65'	65'	CPS NEAT	} EXISTING
Coal									
Intermediate									
Production	5 1/2"	J55	15.5	XX			2116'	80 sx	Depths set
Tubing	2"	J	4.5	XX			1950'		
Lin...									Perforations:
									Top 1972' Bottom 1989
									1891' - 1912

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-0745-F

January 14 19 86
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires January 14, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
	<u>AS</u>	<u>MS</u>	<u>MU</u>	<u>14654</u>	<u>MS</u>	<u>MS</u>	

NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
 Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.