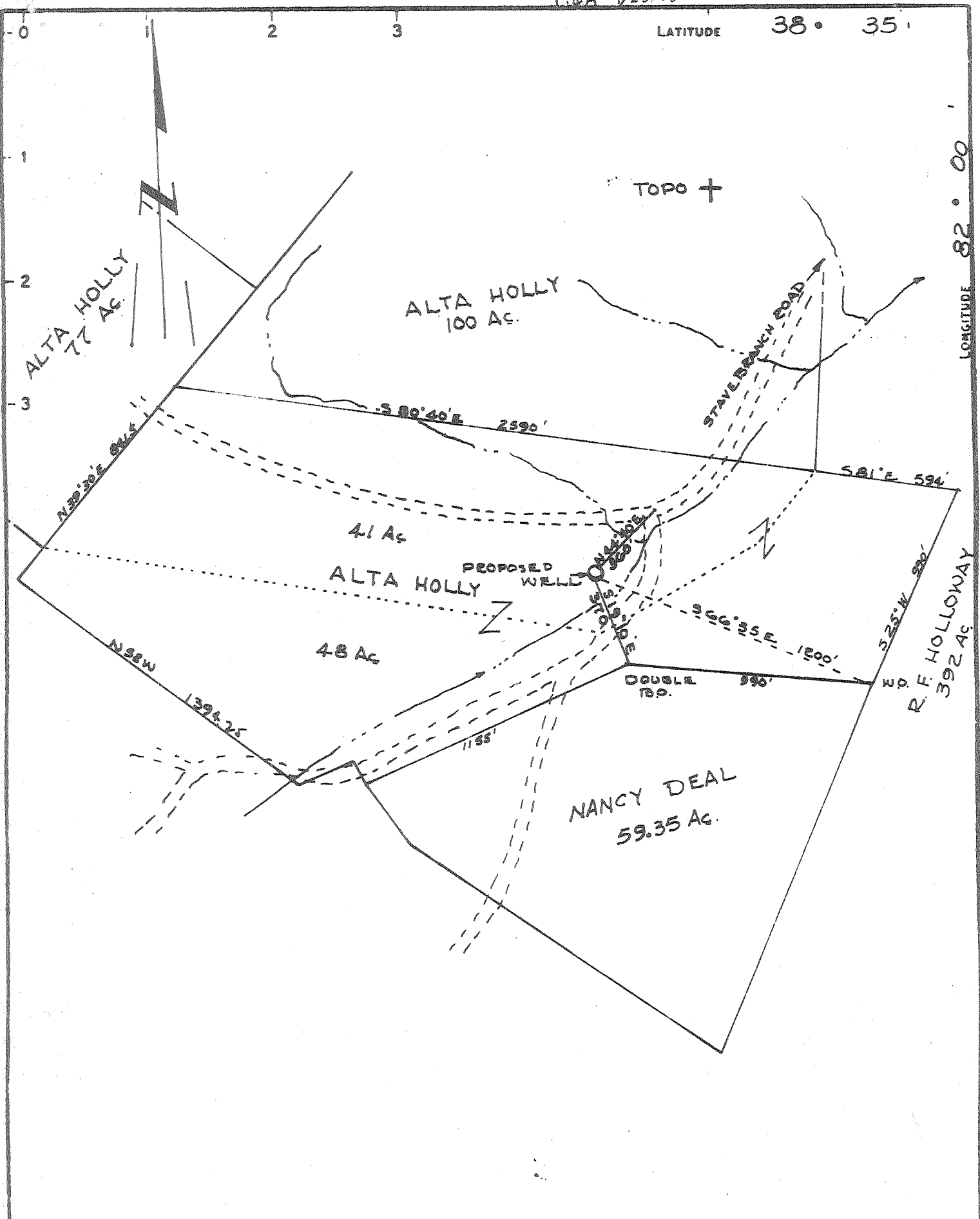


LATITUDE 38° 35'

LONGITUDE 82° 00'



CERTIFICATE

"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."
 Minimum degree of accuracy is one part in 500

- NEW LOCATION
- SECOND CONDITION
- DRILL DEEPER
- ABANDONMENT

Signed O. J. Jany LLS #325

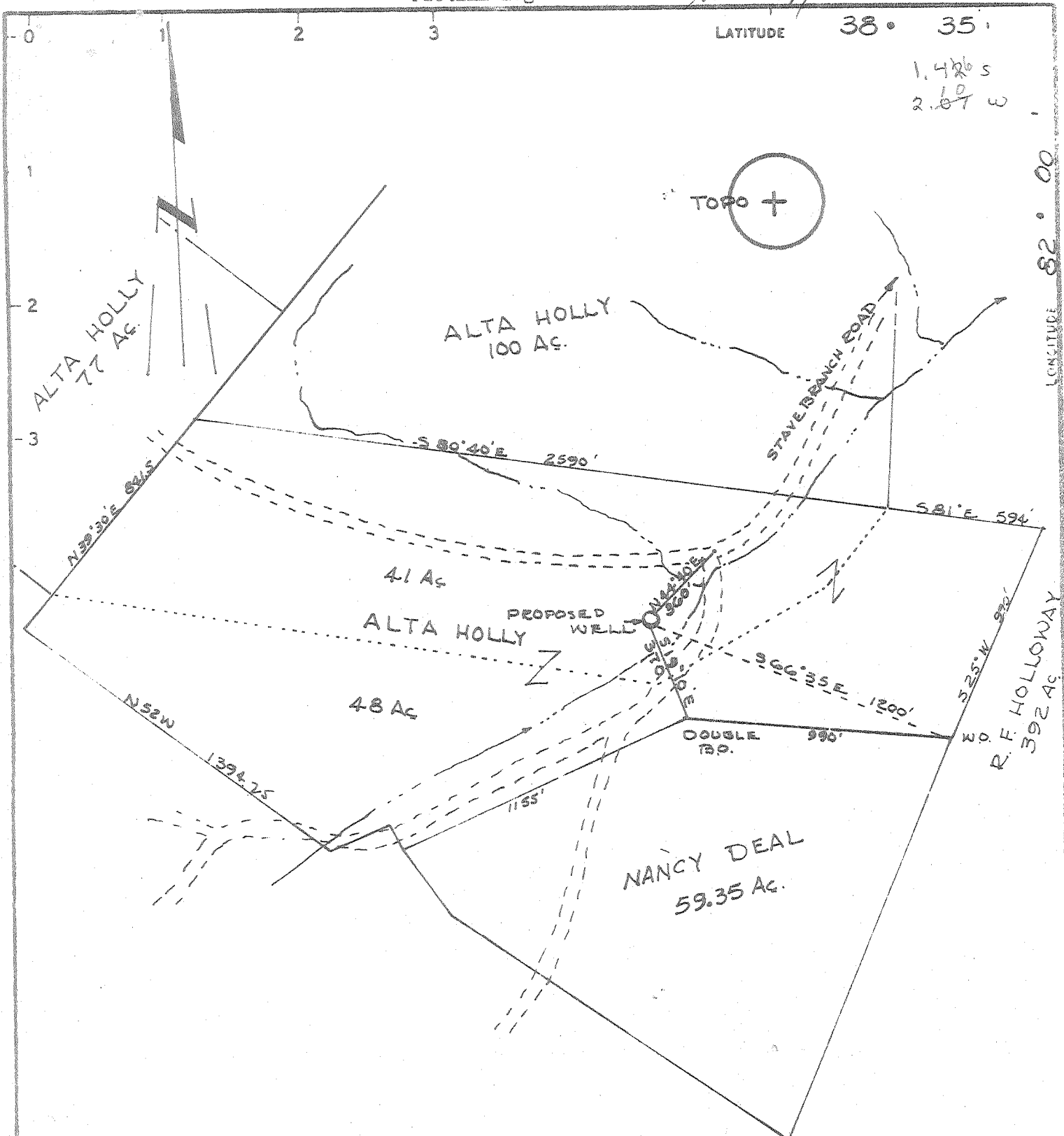
issued 4/23/73

COMPANY	NEDCO INC.		
ADDRESS	1901 KANAWHA VALLEY BLDG		
FARM	ALTA HOLLY		
MAP	ACRES	89	LEASE NO.
WELL (FARM) NO.	N-9	SERIAL NO.	
ELEVATION (SPIGIT LEVEL)	668.92		SE
QUADRANGLE	(MOUNT OLIVE-7 1/2) GLENWOOD-15'		
COUNTY	PUTNAM	DISTRICT	TRAYS VALLEY
POINT OF PROVEN ELEVATION	TOP OF HILL AT INTERSECTION OF STAVE BRANCH (EVERGREEN) (U.S.G.S. 914.00)		
FILE NO.	DRAWING NO.		
DATE	12-26-72	SCALE	1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. PUT-776-P

† 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.

Deep Well 47-079 APR 30 1973



CERTIFICATE

"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."
Minimum degree of accuracy is one part in 500

Signed O. O. Jerry L.S. #321

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY NEDCO INC.
 ADDRESS 1901 KANAWHA VALLEY BLDG
 FARM ALTA HOLLY
 MAP _____ ACRES 89 LEASE NO. _____
 WELL (FARM) NO. N-9 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 668.92
 QUADRANGLE (MOUNT OLIVE-7 1/2) GLENWOOD-15' 45" SE
 COUNTY POTNAM DISTRICT TEAYS VALLEY
 POINT OF PROVEN ELEVATION TOP OF HILL AT INTERSECTION
OF STAVE BRANCH (EVERGREEN) (4592.914.00)
 FILE NO. _____ DRAWING NO. _____
 DATE 12-26-72 SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. POT-776

+ 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

RECEIVED

APR 28 1973

OIL & GAS DIVISION
DEPT. OF MINES

Glenwood

WELL RECORD

Quadrangle (Mount. Olive)

Permit No. PUT-776

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ *Dry*
(Kd)

Company NEDCO, INC.
Address 1901 Kanawha Valley Bldg. Chas.
Farm Alta Holly Acres. 89
Location (waters) Barnett Branch of 5&20 mi. ck.
Well No. N-9 Elev. 668.92
District Teays Valley County Putnam
The surface of tract is owned in fee by Alta Holly

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16 Cond. 13-10" 11 3/4	162	162	100 bags
9 5/8			
8 5/8	2068	2068	100 bags
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Address Winfield, West Virginia

Mineral rights are owned by _____

Address _____

Drilling Commenced 3/27/73

Drilling Completed 4/17/73

Initial open flow 0 cu. ft. _____ bbls.

Final production 0 cu. ft. per day _____ bbls.

Well open _____ hrs. before test _____ RP.

Well treatment details:

Attach copy of cementing record.

Coal was encountered at N/A Feet _____ Inches _____
Fresh water 40 Feet _____ Salt Water _____ Feet _____
Producing Sand N/A Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface and Red Rock			0	15		
Sand			15	20		
Red Rock			20	30		
Red Rock and Sand			40	60	fresh water	
Sand			60	75		
Red Rock			75	90		
Sand			90	105		
Red Rock			105	125		
Sand			125	135		
Red Rock			135	275		
Slate			275	305		
Red Rock			305	310		
Slate			310	350		
Red Rock			350	400		
Slate			400	450		
Red Rock			450	470		
Slate			470	480		
Red Rock			480	535		
Slate			535	555		
Red Rock			555	585		
Slate			585	735		
Red Rock			735	755		

(over)

* Indicates Electric Log tops in the remarks section.

APR 30 1973

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Slate			755	775		
Red Rock			775	800		
Slate			800	840		
Red Rock			840	860		
Slate			860	900		
Red Rock			900	930		
Sand			930	985		
Slate			985	1005		
Sand			1005	1080		
Slate			1080	1130		
Sand			1130	1150		
Slate			1150	1200		
Sand			1200	1250		
Slate			1250	1440		
Sand			1440	1490		
Slate			1490	1560		
Sand			1560	1610		
Slate			1610	1615		
Sand			1615	1670		
Big Lime			1670	1715		
Slate			1715	1745		
Big Injun Section			1745	2020		
Shale			2020	2240		
Berea Sand			2240	2270		Begin electric log measurement
Shale			2270	4075		
Coniferous Lime			4075	4106		
Oriskany-Sandy lime			4106	4120		Show gas
Lime - <i>Held., Salina, + McKensie</i>			4120	4934		
<u>Keefer</u> -Sandy lime			4934	4970		
<u>Rosehill</u> -Shale			4970	5270		
Clinton Section - <i>Tuscarora</i>			5270	5387		
<u>Juanita</u> Shale			5387	5516		TD

Juniata

Date April 20, 1973

APPROVED J. Hayle Rymore, Owner

By Vice President
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
DEC 29 1972

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Surface Owner Alta Holly
Address Winfield, W. Va.
Mineral Owner Alta Holly
Address Winfield, W. Va.
Coal Owner _____
Address _____
Coal Operator _____
Address _____

DATE December 26, 1972
Company NEDCO Inc.
Address 1901 Kanawha Valley Bldg.
Farm Alta Holly Acres 89
Location (waters) Barnett Branch
Well No. N-9 Elevation 668.92
District Teays Valley County Putnam
Quadrangle Mount Olive

INSPECTOR TO BE NOTIFIED Mr. Kenneth Butcher
R. F. #1 PH: 736-4885
Baltimore
Ave 25504

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 4/29/73

Robert S. [Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated January 22 19 72 by Alta Holly made to Teavee Oil & Gas, Inc. and recorded on the 8th day of March 19 72 in Putnam County, Book 56 Page 432

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,
(Sign Name) J. Hoyle Byrner
Well Operator

Address of Well Operator 1901 Kanawha Valley Bldg. Street
Charleston, W. Va. City or Town
State _____

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

Put-776 PERMIT NUMBER

DRILL

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Jerald Jones NAME NEDCO Inc.
 ADDRESS Spencer, W. Va. ADDRESS 1901 Kanawha Valley Bldg.
 TELEPHONE 927-1550 TELEPHONE 342-2125
 ESTIMATED DEPTH OF COMPLETED WELL: 4400 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Criskany
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 10 3/4"	155'	155'	150 Cu. Feet
9 - 5/8			
8 - 5/8			
7	2100'	2100'	50 Sacks
5 1/2			
4 1/2			
3 3 1/2	4400'	4400'	
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET SALT WATER 1300' FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

