

Journal 4/25/88

9650

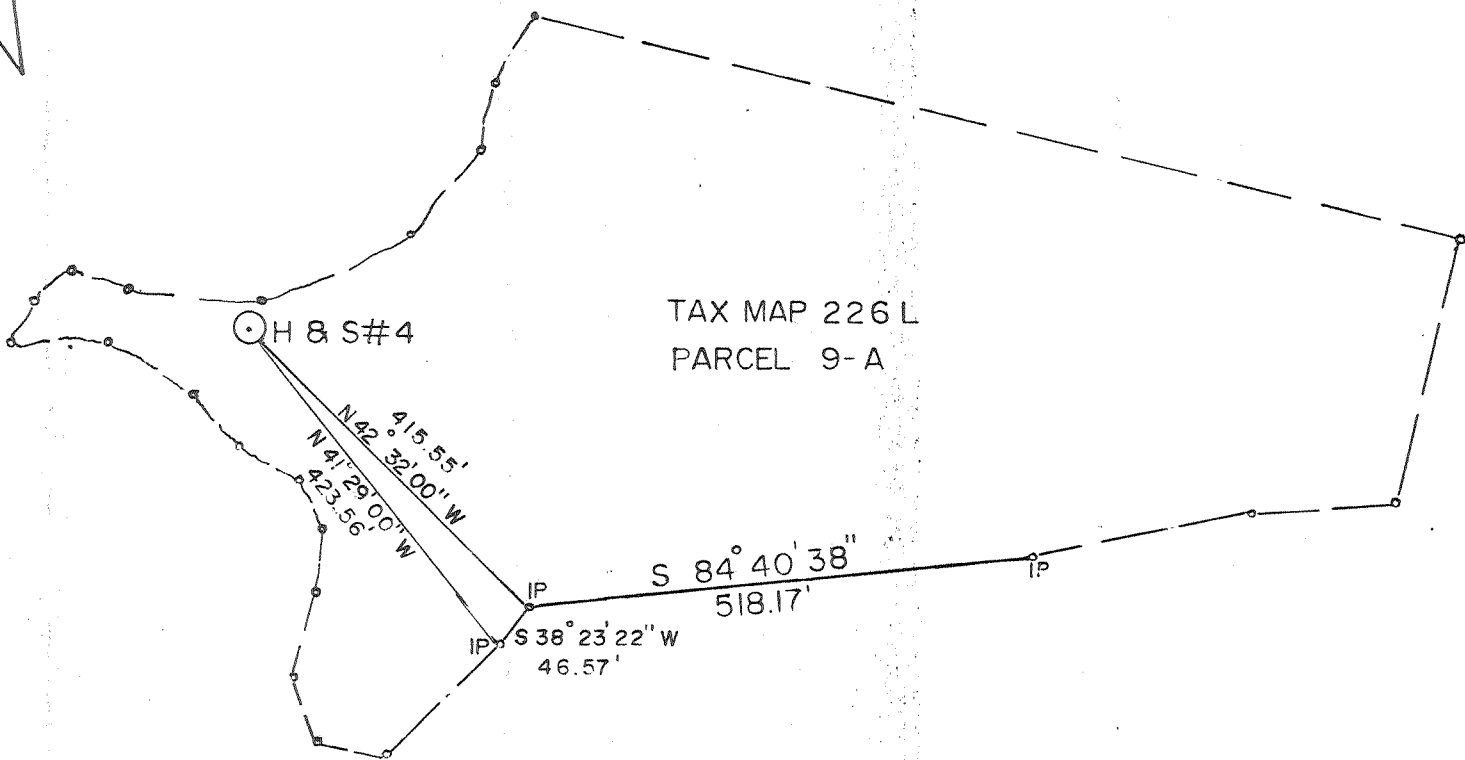
38° 27' 30"

LATITUDE

7.5'

LONGITUDE

NORTH



TAX MAP 226 L  
PARCEL 9-A

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. H & S 4  
 DRAWING NO. 2  
 SCALE 1" = 200'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION \_\_\_\_\_

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 ENERGY.

(SIGNED) John Golpin  
 P.P.E. 875 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE 4 / 18, 19 88  
 OPERATOR'S WELL NO. H & S 4  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP  SHALLOW \_\_\_  
 LOCATION: ELEVATION 571.34 WATER SHED ARMOUR CREEK  
 DISTRICT POCA COUNTY PUTNAM  
 QUADRANGLE SAINT ALBANS  
 SURFACE OWNER THE PARAPET DEVELOPMENT CO. ACREAGE 12.633  
 OIL & GAS ROYALTY OWNER " " LEASE ACREAGE " "

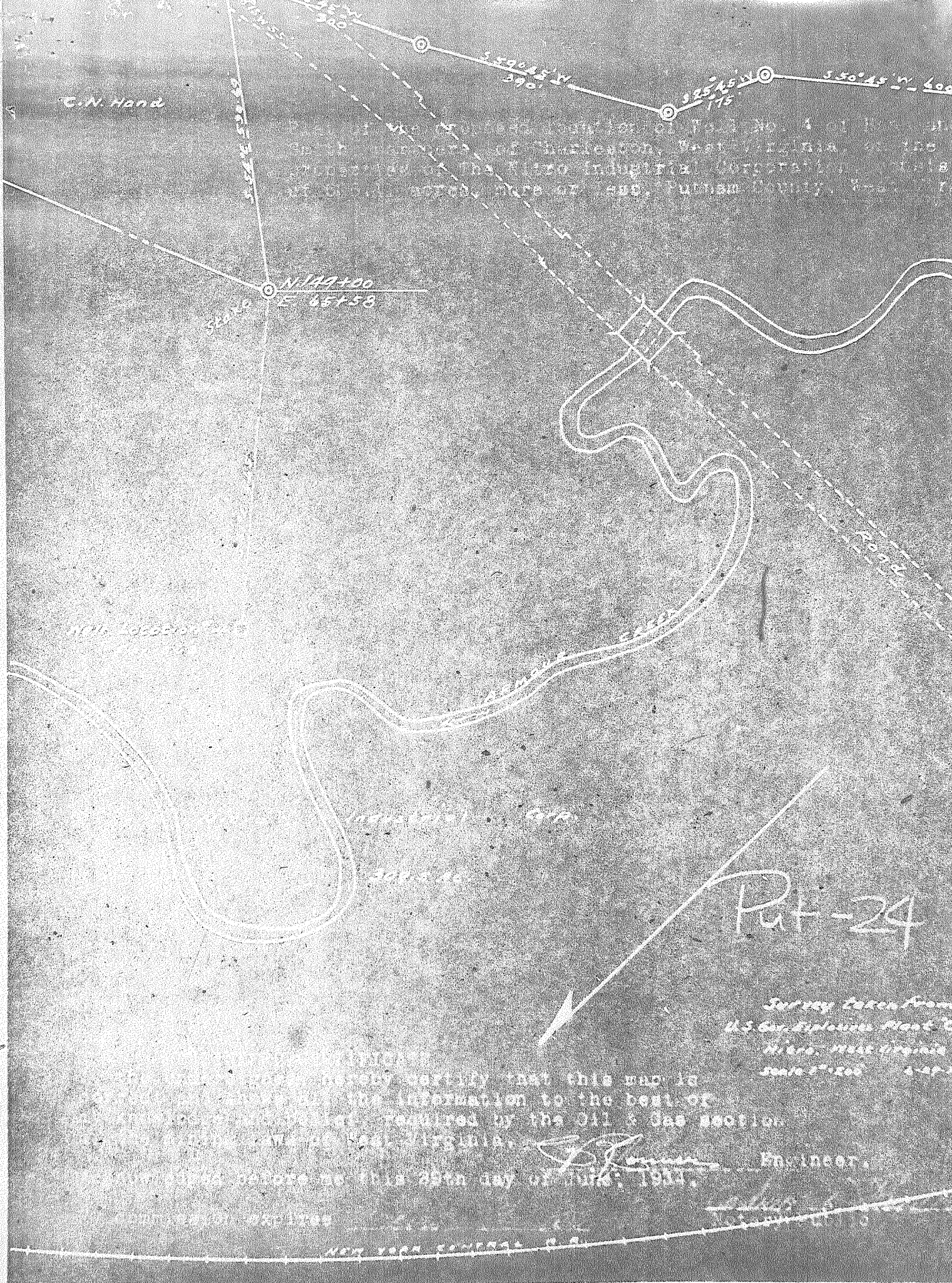
PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR TEAVEE OIL & GAS, INC. DESIGNATED AGENT DUANE BOWERS  
 ADDRESS CHARLESTON WV ADDRESS PO BOX 27 WINFIELD WV  
 25213

APR 29 1988

DEEP well

H.T. HALL 48673 FORM WW-6



DEEP WELL  
 PUT 24- Drill DEEPER

St Albans (394)  
 0.74 mi. South of  $38^{\circ}27'30''$   
 1.80 mi West of  $81^{\circ}47'30''$   
 Tax Dist: Pocatalco

15' calc. 3.62 S  $38^{\circ}30'$   
 4.06 W  $81^{\circ}45'$   
 (115)  
 St Albans NE (37)

6-6 Scott Depot (212)

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

PRELIMINARY DATA SHEET NO. 1

Permit Issued: 7-10-34

File No. \_\_\_\_\_

Well No. 4

Hand & Smith

Company of Charleston, W. Va.

on the Nitro Industrial Corporation Farm

containing 606.11 acres. Location \_\_\_\_\_

Nitro Independent

District, in Putnam

County, West Virginia

The surface of the above tract is owned in fee by Nitro Industrial Corporation

of Nitro, W. Va. address, and the mineral rights are owned by

Same

of \_\_\_\_\_

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit

No. Put-24 issued by the West Virginia Department of Mines, Oil and Gas Division

July 10, 1934

193

Elevation of surface at top of well, \_\_\_\_\_

563

Spirit  
Barometric.

The number of feet of the different sized casings used in the well.

\_\_\_\_\_ feet \_\_\_\_\_ size. Wood conductor.

56'6" feet 10" size, csg. 128'1" feet 8-1/4" sized csg.

1410'5" feet 6-5/8" size, csg. 45'8" feet 3" sized csg.

1531' feet 2" size, csg. \_\_\_\_\_ feet \_\_\_\_\_ sized csg.

packer of 6-5/8" size, set at 1531'

packer of \_\_\_\_\_ size, set at \_\_\_\_\_

In casing perforated at \_\_\_\_\_ feet to \_\_\_\_\_ feet

In casing perforated at \_\_\_\_\_ feet to \_\_\_\_\_ feet

Coal was encountered at \_\_\_\_\_ feet, thickness \_\_\_\_\_ inches, and at \_\_\_\_\_

feet, thickness \_\_\_\_\_ inches; and at \_\_\_\_\_ feet, thickness \_\_\_\_\_ inches

Liners were used as follows (Give details) \_\_\_\_\_

August 15, 1934

Date.

Approved HAND & SMITH Owner.

By W. C. Smith

(Title)

AUG 4 1934



Hand & Smith Company

Charleston, W. Va. Address

COMPLETION DATA SHEET

No. 2

FORMATION RECORD

Well No. 4

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	No
Clay	Red	Soft		0	10			
Quick Sand	Grey	Soft		10	36			
Mud	Red	Soft	Water 60'	36	70			
Lime Shell	Grey	Hard		70	80			
Mud	Blue	Soft		80	100			
Mud	Red	Soft		100	110			
Slate	Blue	Soft		110	150			
Rock	Red	Soft		150	154			
Slate	White	Soft		154	180			
Rock	Red	Soft		180	198			
Sand	Blue	Soft	Water 210	198	240			
Slate	White	Soft		240	350			
Slate	Black	Soft		350	375			
Slate Shell	Blue	Hard		375	420			
Sand	White	Soft	Water 420'	420	480			
Sand	White	Hard		480	520			
Slate	Black	Soft		520	550			
Sand	White	Hard		550	580			
Slate	White	Soft		580	585			
Sand	White	Hard		585	610			
Slate	White	Soft		610	630			
Slate	Black	Soft		630	735			
Sand	White	Hard		735	820			
Lime Shell	White	Hard		820	830			
Slate	White			830	885			
Sand	Grey	Hard	Oil 900'	885	953			
Slate	Black	Soft		953	965			
Sand	White	Hard		965	986			
Salt Sand	White	Hard		986	1295			
Slate	Black	Hard		1295	1350			
Maxton Sand	White	Hard	Oil 1368'	1350	1366			
Black Lime		Hard		1366	1390			
Lime	Grey	Hard		1390	1409' 6"			
Big Lime	Grey	Hard	Water 1434	1409-6	1556' 9"			

TD-1556 (oil)  
4429 (pd)

Well was not shot at \_\_\_\_\_ feet; well was shot at \_\_\_\_\_

halt \_\_\_\_\_ salt \_\_\_\_\_  
Fresh water at \_\_\_\_\_ feet; fresh water at \_\_\_\_\_

Well was \_\_\_\_\_ producing \_\_\_\_\_  
hole \_\_\_\_\_

August 15, 1934 Date Approved Hand & Smith Owner J. E. S.

NOTE: All bottom formations must be noted as indicated above and all key rocks and oil and gas sands must be recorded their proper geological names in the district as well as any local names commonly used in the district for each str.

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Pocahontas

Nitro Ind. District, Putnam County, W. Va.

By Hand & Smith, Charleston, W. Va.

On 606.11 acres, surface and minerals owned by Nitro Industrial Corp.,  
Charleston, W. Va.

Drilled under permit Put-24, issued July 10, 1934.

Elevation, 571.84' L. (pulled)

10" casing, 56' 6"; 8 1/2", 126' 1 1/2"; 6 3/4", 1734' 9".

Well was shot at 3991' and at 2057' (in Berea).

Gas well. Completion reported to Dept. of Mines Aug. 29, 1936.

Record to RCT from Mrs. Griffith 11-28-37.

FW 563

	Top.	Bottom.
Clay, red, soft	0	10
Quicksand, gray, soft	10	36
Mud, red, soft	36	70
Lime shell, gray, hard	70	80
Mud, blue, soft	80	100
Mud, red, soft	100	110
Slate, blue, soft	110	150
Red rock, soft	150	154
Slate, white, soft	154	180
Red rock, soft	180	198
Sand, blue, soft	198	240
Slate	240	420
Sand, white, soft	420	480
Sand, white, hard	480	520
Slate, black, soft	520	550
Sand, white, hard	550	580
Slate, white, soft	580	585
Sand, white, hard	585	610
Slate, white and black, soft	610	735
Sand, white, hard	735	820
Lime shell, white, hard	820	830
Slate, white	830	885
Sand, gray, hard	885	953
Slate, black, soft	953	965
Sand, white, hard	965	986
Salt Sand, white, hard	986	1295
Slate, black, hard	1295	1350
Maxton Sand, white, hard	1350	1366
Lime, hard	1366	1409 1/2
Big Lime, gray, hard	1409 1/2	1556 1/2
Big Lime, white, hard	1556 1/2	1576
Big Injun Sand, white, hard	1576	1640
Lime shell, black, hard	1640	1673
Slate, black, soft	1673	1722
Lime shell, white, hard	1722	1740
Slate and shells	1740	2017
Slate, black, soft	2017	2057
Berea Sand, white, hard	2057	2072
White lime, hard	2072	2177
Slate and shells, soft	2177	2303
Lime shells, white, hard	2303	2495
Slate and shells	2495	3208
Black lime, hard	3208	3223
Brown shale	3223	3710
White slate (showing of gas, 3728-3738')	3710	3728

(OVER)

	Top.	Bottom.
Slate, white, soft	3738	- 3800
Shale, white, soft	3800	- 4023
Slate, white, soft	4023	- 4115
Brown shale, soft	4115	- 4169
Slate and shells, white	4169	- 4226
Brown shale	4226	- 4278
Corniferous Lime, hard	4278	- 4328
Chert zone, hard, very few grains sand	4328	- 4345
Corniferous Lime	4345	- 4360
Chert zone, hard, few sand grains	4360	- 4366
Corniferous Lime, hard	4366	- 4413
Chert zone	4413	- 4423
Corniferous Lime	4423	- 4429
Total depth		4429

462

4278

Nitro Ind. District, Putnam County, W. Va.  
 By Hand & Smith, Charleston, W. Va.  
 On 606.11 acres, surface and minerals owned by Nitro Industrial Corp.,  
 Charleston, W. Va.

Drilled under permit Put-24, issued July 10, 1934.

Elev. 563

→ Elevation, 571.34 (pulled)

10" casing, 56' 64"; 1 1/2" 1 7/8"; 6 3/4" 17 3/4" 9". 6" @ 1410' 2" @ 1571'

Well was shot at 3991' and at 2057' (in Berea).

Gas well. Completion reported to Dept. of Mines Aug. 29, 1936.

Record to RCF from Mrs. Griffith 11-28-37.

	Top.	Bottom.
Clay, red, soft	0	10
Quicksand, gray, soft	10	36
Mud, red, soft WATER-60'	36	70
Line shell, gray, hard	70	80
Mud, blue, soft	80	100
Mud, red, soft	100	110
Slate, blue, soft	110	150
Bed rock, soft	150	154
Slate, white, soft	154	150
Red rock, soft	150	198
Sand, blue, soft	198	240
Slate	240	420
Sand, white, soft	420	480
Sand, white, hard	480	520
Slate, black, soft	520	550
Sand, white, hard	550	580
Slate, white, soft	580	585
Sand, white, hard	585	610
Slate, white and black, soft	610	735
Sand, white, hard	735	820
Line shell, white, hard	820	830
Slate, white	830	885
Sand, gray, hard (oil @ 900')	885	953
Slate, black, soft	953	965
Sand, white, hard	965	986
Salt Sand, white, hard	986	1295
Slate, black, hard	1295	1350
Marion Sand, white, hard	1350	1366
Line, hard (oil @ 1368')	1366	1409 1/2
Big Line, gray, hard SALT WATER-1434'	1409 1/2	1556 1/2
Big Line, white, hard	1556 1/2	1576
Big Injun Sand, white, hard	1576	1640
Line shell, black, hard	1640	1673
Slate, black, soft	1673	1722
Line shell, white, hard	1722	1740
Slate and shells	1740	2017
Slate, black, soft	2017	2057
Berea Sand, white, hard	2057	2072
White line, hard	2072	2177
Slate and shells, soft	2177	2303
Line shells, white, hard	2303	2495
Slate and shells	2495	3208
Black line, hard	3208	3223
Brown shale	3223	3710
White slate (showing of gas, 3728-3735')	3710	3728

	Top.	Bottom.
Slate, white, soft	3738	- 3800
Shale, white, soft (gas @ 3991')	3800	- 4023
Slate, white, soft	4023	- 4115
Brown shale, soft	4115	- 4169
Slate and shells, white	4169	- 4226
Brown shale	4226	- 4278
Corniferous lime, hard	4278	- 4328
Chert zone, hard, very few grains sand	4328	- 4345
Corniferous lime	4345	- 4360
Chert zone, hard, few sand grains	4360	- 4366
Corniferous lime, hard	4366	- 4413
Chert zone	4413	- 4423
Corniferous lime	4423	- 4429
Total depth		4429

ORIGINAL Permit ISSUED 7-10-34 TD 1550'  
 DD PERMIT ISSUED 8-3-35  
 DD Record Reported Sept. 1936 TD 4429'



**RECEIVED**  
AUG 19 1988

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the <sup>DIVISION OF OIL & GAS</sup> ~~DEPARTMENT OF ENERGY~~ to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Coal Operator or Owner	<u>Teavee Oil &amp; Gas, Inc.</u>
Address	<u>1901 Kanawha Valley Bldg. Charleston WV 25301</u>
Coal Operator or Owner	<u>H&amp;S #4 Backwater Armour Creek 19</u>
Address	<u>Poca</u> District
	<u>Putnam</u> County
<u>The Paragard Development Co</u> Lease or Property Owner	WELL NO. <u>47-079-0024</u>
<u>P.O. Box 5341 Vienna WV 26105</u> Address	<u>Hand &amp; Smith # 4</u> Farm

STATE INSPECTOR SUPERVISING PLUGGING Jerry Tephabock

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Putnam ss:

Daniel C. Moran and Bradley Sethill  
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Teavee Oil & Gas, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 26th day of April, 19 88, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
Hit bridge at 534'	Knocked bridge down to	<u>305 sks total</u>	<u>182</u>	<u>1552'</u>
1229'	Could not move further down. Hole had been shot		<u>7"</u>	<u>7"</u>
at 2057'	OKed by Bob Stewart to freepoint and cut pipe			<u>128'</u>
at 1195'	Shot off 7" and began plugging. Pulled 7" <del>into</del>			<u>8"</u>
apart at 182'	between collars in pipe, with 50,000 PSI. Ran			<u>56'</u>
2" tubing to 1175'	and gelled the hole to surface.			<u>10"</u>
Started packer down	7" hung at 230ft could not			
move up or down.	Pumped down 2" tubing through packer			
with 150 sks cement	and circulated cement. Pulled 2"			
tubing off packer	and out of well. Swedged 10" and pumped			
125 sks. Then cemented top	fell down 47' pumped 30 sks			
to fill to surface.	Erect Monument.			
Coal Seams				
(Name) <u>N</u>		Description of Monument		
(Name) <u>A</u>		<u>7" X 10" swedge 3' high</u>		
(Name)		<u>H&amp;S #4 47-079-24</u>		
(Name)		<u>Hand &amp; Smith</u>		
		<u>7/25/88</u>		

and that the work of plugging and filling said well was completed on the 25th day of July, 19 88.

And further deponents saith not.

Sworn to and subscribed before me this 27th day of July, 19 88  
Dwaine Bowen  
Designated Agent  
Jerry Tephabock  
Notary Public

My commission expires:  
3.3.90

SEP 06 1988  
Permit No. 47-079-0024