

OIL AND GAS WELL
SUMMARY REPORT

API No. 45-105-20454-00-03 VDMR Well
Rep. No. W-6629
DMQ File No. LE-72

Operator BEN HUR OIL COMPANY
Farm CLARENCE STROUTH
Co. Well No. 1-B

County LEE Quadrangle BEN HUR-7½'
Location (UTM) N4,064,560⁶³⁰; E312,840⁸⁵⁰ UTM Zone 17
(Lat. and Long.) _____

Field BEN HUR Province VALLEY AND RIDGE

Elev. (specify) 1745.83' GR. TD 2797' Form. at TD MOCASSIN
INITIAL FLOW - Age ORDOVICIAN

Date compl. or abandoned MARCH 30, 1982

Result OIL WELL

Gas Shows _____

Gas Pays _____

Main Production _____ Prod. Form. TRENTON
Age ORDOVICIAN

Treatment: ACIDIZED FROM 2219' TO 2410' WITH 5000 GALLONS OF 28% HCL.

Initial Production 15 BARRELS PER DAY

FINAL FLOW - _____

Oil shows _____ OIL PAY - 2219' TO 2410'

Water FW X at 200' at _____ at _____
SW _____ at _____ at _____ at _____

Coal _____

Plat _____ Plotted _____ Completion Report X

Drillers Log X Geologic Log _____

Samples X Interval Sheet X

Sample Interval _____ 372' TO 1900'

Remarks _____

Geophysical Logs S.P. _____ Res _____ Gamma _____ Neutron _____

Density _____ Sonic _____ Other _____

Stratigraphic Data Source BARTLETT AND ASSOCIATES, IND.

<u>Formation</u>	<u>Top</u>	<u>Datum (Subsea)</u>	<u>Thickness</u>
<u>COPPER RIDGE</u>	<u>0</u>	<u>1745.83</u>	<u>260</u>
<u>PINE MTN. FAULT</u>	<u>260</u>	<u>1485.83</u>	
<u>CAYUGA</u>	<u>260</u>	<u>1485.83</u>	<u>50</u>
<u>CLINTON</u>	<u>310</u>	<u>1435.83</u>	<u>485</u>
<u>POOR VALLEY RIDGE</u>	<u>795</u>	<u>950.83</u>	<u>190</u>
<u>HAGAN</u>	<u>985</u>	<u>760.83</u>	<u>70</u>
<u>SEQUATCHIE</u>	<u>1055</u>	<u>690.83</u>	<u>400</u>
<u>REEDSVILLE</u>	<u>1455</u>	<u>290.83</u>	<u>500</u>
<u>TRENTON</u>	<u>1955</u>	<u>-209.17</u>	<u>575</u>
<u>NOT LOGGED</u>	<u>2530</u>	<u>-784.17</u>	<u>155</u>
<u>MOCASSIN</u>	<u>2685</u>	<u>-939.17</u>	<u>112</u>

Remarks

References

Released to Open File: Completion JUNE 28, 1982

Samples YES

(Note: UTM measurements in meters, all others in feet)

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W- 6629

Date rec'd: Date Processed: 2/18/83

Sample Interval: from 372 to:1900

PROPERTY: Clarence Strouth (#1)

Number of samples: 136

COMPANY: Ben Hur Oil & Gas

Total Depth: 1900

COUNTY: Lee

Oil or Gas: X Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
372 - 382	680 - 690	1005 - 1015	1300 - 1310	1710 - 1720
382 - 392	690 - 700	1015 - 1025	1310 - 1320	1720 - 1730
392 - 402		1025 - 1035	1320 - 1330	1730 - 1740
400 - 410	735 - 745	1035 - 1045	1330 - 1340	1740 - 1750
410 - 420	745 - 755	1045 - 1055	1340 - 1350	1750 - 1760
420 - 430	755 - 765	1055 - 1065	1370 - 1380	1760 - 1770
430 - 440	765 - 775	1065 - 1075	1380 - 1390	
440 - 450	775 - 785	1075 - 1085	1390 - 1400	1780 - 1790
450 - 460	785 - 795	1085 - 1095	1400 - 1410	1790 - 1800
460 - 470	795 - 805	1095 - 1105		1800 - 1810
470 - 480				
480 - 490	805 - 815	1105 - 1115	1420 - 1430	1810 - 1820
490 - 500	815 - 825	1115 - 1120	1430 - 1440	1820 - 1830
500 - 510	825 - 835	1120 - 1130	1440 - 1450	1830 - 1840
510 - 520	835 - 845	1130 - 1140	1450 - 1460	1840 - 1850
520 - 530	845 - 855	1140 - 1150	1460 - 1470	1850 - 1860
530 - 540	855 - 865	1150 - 1160	1470 - 1480	1860 - 1870
540 - 550	865 - 875	1160 - 1170	1480 - 1490	1870 - 1880
550 - 560	875 - 885	1170 - 1180	1490 - 1500	1880 - 1890
560 - 570	885 - 895	1180 - 1190	1500 - 1510	1890 - 1900
570 - 580	895 - 905	1190 - 1200	1510 - 1520	-
580 - 590	905 - 915	1200 - 1210	1520 - 1530	-
590 - 600	915 - 925	1210 - 1220	1530 - 1540	-
600 - 610	925 - 935	1220 - 1230	1540 - 1550	-
610 - 620	935 - 945	1230 - 1240	1550 - 1560	-
620 - 630	945 - 955	1240 - 1250	1560 - 1570	-
630 - 640	955 - 965	1250 - 1260	1570 - 1580	-
640 - 650	965 - 975	1260 - 1270	1580 - 1590	-
650 - 660	975 - 985	1270 - 1280	1590 - 1600	-
660 - 670	985 - 995	1280 - 1290		-
670 - 680	995 - 1005	1290 - 1300	1700 - 1710	-

Washed samples

VIRGINIA DIVISION OF MINERAL RESOURCES
Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 2

Date rec'd: Date Processed: 2/18/83

PROPERTY: Clarence Strouth (#1)

COMPANY: Ben Hur Oil & Gas

COUNTY: Lee BENHUR LE-72

Well Repository No.: W-66629

Sample Interval: From 372 to 2797

Number of samples: 226

Total Depth: ~~1900~~ 2797'

Oil or Gas: Water: Exploratory:

From-To	From-110	From-To	From-To	From-To
372-382	680-690	1005-1015	1300-1310	1710-1720
382-392	690-700	1015-1025	1310-1320	1720-1730
392-402		1025-1035	1320-1330	1730-1740
400-410	735-745	1035-1045	1330-1340	1740-1750
410-420	745-755	1045-1055	1340-1350	1750-1760
420-430	755-765	1055-1065	1370-1380	1760-1770
440-450	765-775	1065-1075	1380-1390	
450-460	775-785	1075-1085	1390-1400	1780-1790
460-470	785-795	1085-1095	1400-1410	1790-1800
470-480	795-805	1095-1105		1800-1810
480-490	805-815	1105-1115	1420-1430	1810-1820
490-500	815-825	1115-1120	1430-1440	1820-1830
500-510	825-835	1120-1130	1440-1450	1830-1840
510-520	835-845	1130-1140	1450-1460	1840-1850
520-530	845-855	1140-1150	1460-1470	1850-1860
530-540	855-865	1150-1160	1470-1480	1860-1870
540-550	865-875	1160-1170	1480-1490	1870-1880
550-560	875-885	1170-1180	1490-1500	1880-1890
560-570	885-895	1180-1190	1500-1510	1890-1900
570-580	895-905	1190-1200	1510-1520	
580-590	905-915	1200-1210	1520-1530	1900-1910
590-600	915-925	1210-1220	1530-1540	1910-1920
600-610	925-935	1220-1230	1540-1550	1920-1930
610-620	935-945	1230-1240	1550-1560	1930-1940
620-630	945-955	1240-1250	1560-1570	1940-1950
630-640	955-965	1250-1260	1570-1580	1950-1960
640-650	965-975	1260-1270	1580-1590	1960-1970
650-660	975-985	1270-1280	1590-1600	1970-1980
660-670	985-995	1280-1290		1980-1990
670-680	995-1005	1290-1300	1700-1710	1990-2000

Washed samples

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET
 Continued

Page 2 of 2

Well Repository No.: W- 6629

From-To	From-To	From-To	From-To	From-To
2000 - 2010	2400-2410	-	-	-
2010 - 2020	2410-2420	-	-	-
2020 - 2030	2420-2430	-	-	-
2030 - 2040	2430-2440	-	-	-
2040 - 2050	2440-2450	-	-	-
2050 - 2060	2450-2460	-	-	-
2060 - 2070	2460-2470	-	-	-
2070 - 2080	2470-2480	-	-	-
2080 - 2090	2480-2490	-	-	-
2090 - 2100	2490-2500	-	-	-
2100 - 2110	2500-2510	-	-	-
2110 - 2120	2510-2520	-	-	-
2120 - 2130	2520-2530	-	-	-
2130 - 2140	2530-2540	-	-	-
2140 - 2150	2540-2550	-	-	-
2150 - 2160	2550-2560	-	-	-
2160 - 2170	2560-2570	-	-	-
2170 - 2180	2570-2580	-	-	-
2180 - 2190	2580-2590	-	-	-
2190 - 2200	2590-2600	-	-	-
2200 - 2210	2600-2610	-	-	-
2210 - 2220	2610-2620	-	-	-
2220 - 2230	2620-2630	-	-	-
2230 - 2240	2630-2640	-	-	-
2240 - 2250	2640-2650	-	-	-
2250 - 2260	2650-2660	-	-	-
2260 - 2270	2660-2670	-	-	-
2270 - 2280	2670-2680	-	-	-
2280 - 2290	2680-2690	-	-	-
2290 - 2300	2690-2700	-	-	-
2300 - 2310	2700-2710	-	-	-
2310 - 2320	2710-2720	-	-	-
2320 - 2330	2720-2730	-	-	-
2330 - 2340	2730-2740	-	-	-
2340 - 2350	2740-2750	-	-	-
2350 - 2360	2750-2760	-	-	-
2360 - 2370	2760-2770	-	-	-
2370 - 2380	2770-2780	-	-	-
2380 - 2390	2780-2790	-	-	-
2390 - 2400	2790-2797	-	-	-

(To be filled in by
Division of Mines)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF LABOR AND INDUSTRY

(To be filled in by
Division of Mines)

Lee
County
Jonesville
District
Ben Hur
Quadrangle
LE-72
File

DIVISION OF MINES
BIG STONE GAP, VIRGINIA

DEEPEMED
OIL AND GAS WELL COMPLETION REPORT
ABANDONMENT

Well No. STROUTH #1
Permit No. 454
County Code 105
Well
Classification DEVELOPMENT

(This report and a copy of electrical log, if made, must
be submitted to the Division of Mines within 30 days after
abandonment or completion of well, as required by Section
45-113, Code of Virginia, 1950.)

Company Ben Hur Oil Company Address 120 S. Court St.
Abingdon, Virginia 24210
Farm Clarence Strouth Acres 154
County Lee District Jonesville
Well No. (Company) 1-B Elevation (ground surface) 1745.83 ft.

Location: (Give direction and distance in feet from two (2) map coordinates (Latitude and Longitude) shown
on location plat or map previously filed with the Division of Mines or shown on quadrangle topo-
graphic map of area.)

14,424 feet South of 36° 45' 00" and
3,583 feet West of 83° 05' 00"

Surface of tract is owned in fee simple by Clarence Strouth
Address Jonesville, Virginia
Mineral rights are owned by same
Address _____

Location made by Bartlett and Associates
Drilling commenced 18 Feb. 1982 Drilling contractor Interstate Drilling Co., Inc.
Drilling completed 3 March, 1982 Address Orchard Hill, Georgia

Well completed as gas well on March 30, 1982
oil

Well abandoned at _____ feet on _____: Reason _____
Well plugged on _____, 19____ Affidavit filed _____, 19____
Total depth 2797 feet. Steel line measurement 2792 feet.
Commenced producing on March, 1982

Oil Well
Initial production, est. 15 Barrels per day.
Stimulation Record 2219-2410' w/ 5000 gals 28% HCL

Breakdown Pressure 1600 psi; Average Injection Pressure 1600 psi;
Average Injection Rate 5 BPM; Instant Shut-in Pressure 700 psi;
5 Min. Shut-in Pressure 500 psi;

Final Production _____ Barrels per day.

Gravity and grade of oil _____
Oil pays at (1) 2219 feet to 2410 feet. Oil shows at (1) _____ feet to _____ feet.
(2) _____ feet to _____ feet. (2) _____ feet to _____ feet.
(3) _____ feet to _____ feet. (3) _____ feet to _____ feet.
(4) _____ feet to _____ feet. (4) _____ feet to _____ feet.
Main production at _____ feet to _____ feet. (5) _____ feet to _____ feet.

Gas Well
Initial open flow, gas: Gaged _____/10ths. Water in _____ inch.
Volume _____ Mcf.; Rock Pressure _____ lbs. _____ hrs.
_____ /10ths. Mercury in _____ inch.

LOG

Furnished by Ben Hur Oil Co. Date 2 April, 1982

Compiled by Bartlett & Associates Date 2 April, 1982

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	COLOR	TOP (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS WATER DEPTHS SHUT DOWN FISHING, ETC.
Cambrian	Copper Ridge	Dolostone	Gray	Surf.	260	260	
		PINE MOUNTAIN	FAULT @	260'			
Silurian	Cayuga	Sandy Limestone	Gray	260	310	50'	
Silurian	Clinton	Shale	vari-colored	310	795	485	
Silurian	Clinch-Poor Valley Ridge Mbr.	Sandstone Siltstone	lt. brown	795	985	190	
Silurian	Clinch-Hagan Mbr.	Shale	dk. gray	985	1055	70	
Ordovician	Sequatchie	Mudstone-Limestone	Dk. Red to gray	1055	1455	400	
Ordovician	Reedsville	shale	gray	1455	1955	500	
Ordovician	Trenton	limestone	gray	1955	2530	575	
Ordovician	Mocassin	limestone	brown	2685	T. D. 2797	113 ₂	

Stimulation Record

Breakdown Pressure _____ psi; Average Injection Pressure _____ psi;
 Average Injection Rate _____ BPM; Instant Shut-in Pressure _____ psi;
 Min. Shut-in Pressure _____ psi.

Final Openflow _____ Mcf.; Rock Pressure _____ lbs. _____ hrs.
 Gas pays at (1) _____ feet to _____ feet. Gas shows at (1) _____ feet to _____ feet.
 (2) _____ feet to _____ feet. (2) _____ feet to _____ feet.
 (3) _____ feet to _____ feet. (3) _____ feet to _____ feet.
 (4) _____ feet to _____ feet. (4) _____ feet to _____ feet.
 Main production _____ feet to _____ feet. (5) _____ feet to _____ feet.

Fresh water at (1) 200 feet, _____ GPM; (2) _____ feet, _____ GPM; (3) _____ feet, _____ GPM.
 Salt water at (1) _____ feet; (2) _____ feet; (3) _____ feet; (4) _____ feet.
 Coal: from _____ feet _____ inches to _____ feet _____ inches; from _____ feet _____ inches to _____ feet _____ inches; from _____ feet _____ inches, to _____ feet _____ inches.

CASING AND TUBING				PACKERS OR BRIDGE PLUGS			
SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED	KIND	SIZE	SET AT	
(inch)	(feet)	(feet)	(feet) to (feet)				
				Retriv. injection	4 5/8"	2219	
13 3/8		46'					
9 5/8	155'	(pulled)					
7"		501					
2 3/8		2219					
				LINERS			
				SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED
				(inch)	(ft.)	(ft.)	(ft. to ft.)

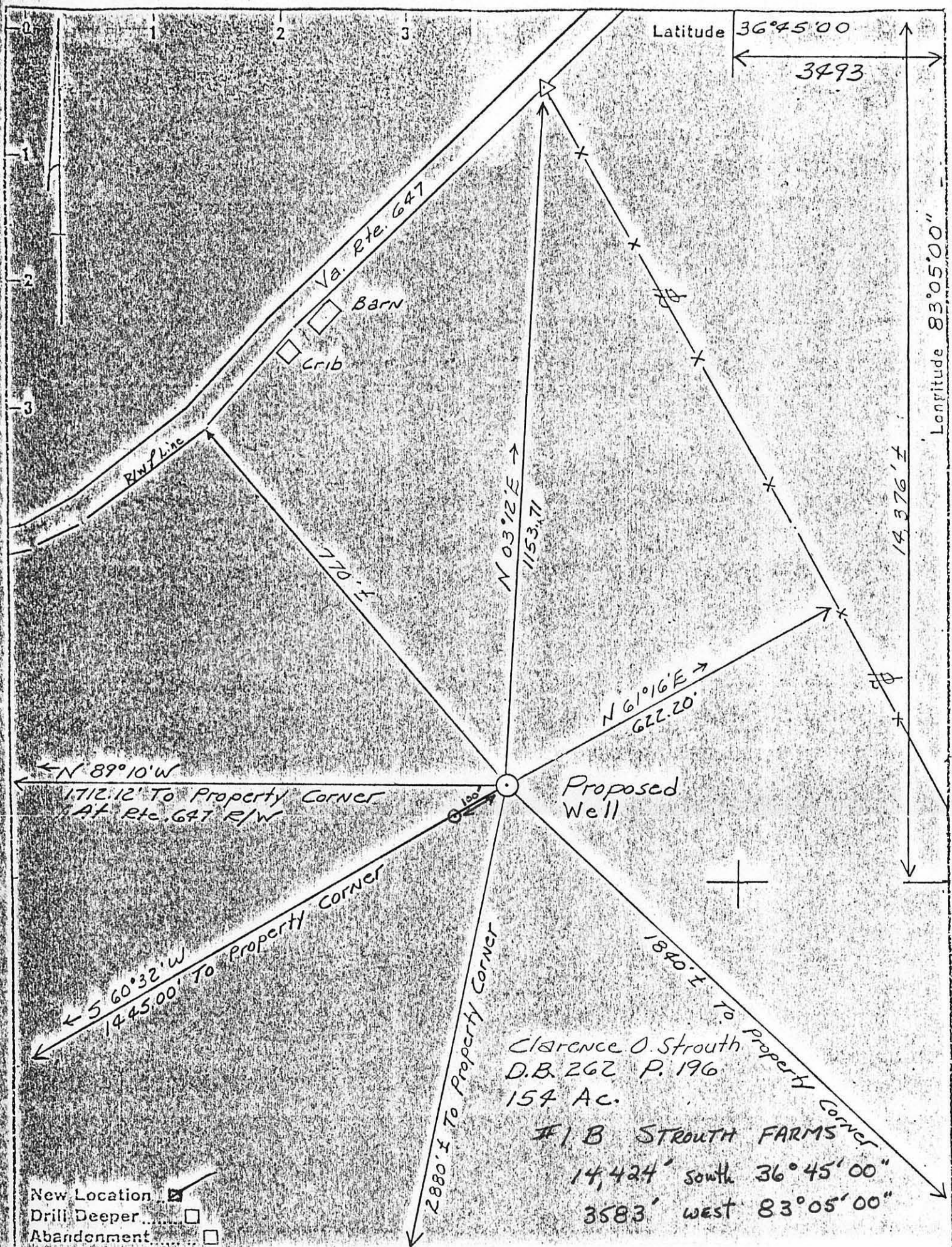
Casing Cemented: 13 3/8 inch. from 46 feet to surf Date _____
 7 inch. from 501 feet to surf Date _____
 _____ inch. from _____ feet to _____ Date _____

Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)
 caves at 82', 88', 132', 160'

Samples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (No)
 Will be furnished the Virginia Geological Survey upon request (Yes) (No), if sacks for same are furnished by the Survey (Yes) (No)

Electrical log made or not made _____ (check which.)
 Copy furnished herewith _____ or will be submitted on or by _____, 19____
 Depths Dual Induction - SFL 503 - 2789'
 Fracture Identification 1500-2791

To operator requests that information given herein and log or logs be kept confidential for a period of ninety days after completion of the well covered by this report (Yes) (No)



Company BEN Hur Oil Co.
 Address 120 S. Court St. Abingdon, Va. 24210
 Farm Clarence O. Strouth
 Tract _____ Acres 154 Lease No. _____
 Well (Farm) No. Strouth #1 Serial No. _____
 Elevation (Spirit Level) 1745.83±
 Quadrangle BEN Hur
 County Lee District Jonesville
 Engineer G.L. Hatfield
 Engineer's Registration No. TENN. L.S. # 1349
 File No. 00-37-59 Drawing No. _____

COMMONWEALTH OF VIRGINIA
 DIVISION OF MINES
 BIG STONE GAP, VA.
 WELL LOCATION MAP
 FILE NO. LE-72

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

1" = 200'