

P-W

DUVAL CORPORATION #40 FEDERAL NO PERMIT
NE SE Sec. 4-T15N-R28E APACHE COUNTY 1-10

County Apache

Area Holbrook Basin

Lease No. Federal

Well Name Duval Corporation #40 Federal

Location NE SE Sec 4 Twp 15N Range 28E Footage 1557' FSL - 1128' FEL
Elev 5810' Gr 5811 DF FB Spud ~~XXXXXX~~ Date 6-5-64 Abandon 6-22-64 Total Depth 1839'

Contractor _____

Casing Size 3" Depth 1572' Cement _____
Drilled by Rotary _____
Cable Tool _____
Production Horizon _____
Initial Production _____

REMARKS This hole drilled as a potash test. Top Cocaine's 1172
Top Halite 1612
See file for Core Lithology (Footage 1557' - 1839') TD 1839

Elec _____
Logs Gamma Ray-Neutron; Sample Log _____
Applic. Plugging Completion _____ Sample Descript. _____
to Plug _____ Record x Report x Sample Set P-1301
Core Analysis by Elevs.
DSTs _____

Water well accepted by _____

Bond Co. & No. None

Bond Am't \$ _____ Cancelled _____ Date _____ Organization Report None

Filing Receipt None Dated _____ Well Book x Plat Book x

API No. 02-001-05015 Loc. Plat _____ Dedication None (Strat)

Permit Number None Date Issued _____

1-10

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator Duval Corporation Address 4715 E Ft Lowell Rd Tucson, Arizona

Lease Name _____ Well Number 40 Field & Reservoir _____

Location 1128' FEL 1557' FSL Sec 4 T15N R28E Sec.—TWP—Range or Block & Survey

County Apache Permit number _____ Date issued _____ Previous permit number _____ Date issued _____

Date spudded 6/5/64 Date total depth reached _____ Date completed, ready to produce 6/22/64 Elevation (DF, RKB, RT or Gr.) _____ feet Elevation of casing hd. flange _____ feet

Total depth 1839 P.B.T.D. _____ Single, dual or triple completion? _____ If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion _____ Rotary tools used (interval) _____ Cable tools used (interval) _____

Was this well directionally drilled? _____ Was directional survey made? _____ Was copy of directional survey filed? _____ Date filed _____

Type of electrical or other logs run (check logs filed with the commission) Gamma Ray - Neutron Date filed _____

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production _____ Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas—oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date Signature

STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. P-7 File two copies

PLUGGING RECORD

Operator <u>Duval Corporation</u>		Address <u>4715 E FT. Lowell Rd Tucson, Arizona</u>	
Name of Lease		Well No. <u>40</u>	Field & Reservoir
Location of Well <u>1128' FEL 1557' FSL S44 T15N R28E</u>		Sec-Twp-Rge or Block & Survey	County <u>Apache</u>
Application to drill this well was filed in name of	Has this well ever produced oil or gas	Character of well at completion (initial production): Oil (bbbls/day) Gas (MCF/day) Dry?	
Date plugged:	Total depth <u>1839</u>	Amount well producing when plugged: Oil (bbbls/day) Gas (MCF/day) Water (bbbls/day)	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes

Was well filled with mud-laden fluid, according to regulations? Indicate deepest formation containing fresh water.

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Use reverse side for additional detail
File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the of the (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

..... Date Signature

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Form No. P-15 Plugging Record File two copies

FORM 159

DUVAL CORPORATION
INTER-OFFICE MEMORANDUM

FROM Navajo, Arizona

DATE July 10, 1964

TO Sahuarita, Arizona

ATTENTION Mr. R. A. Hardy

SUBJECT: Duval #40 Federal

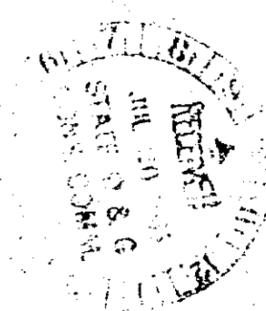
Location: 1128' F.E.L., 1557 F.S.L., Sec. 4, T.15.N., R.28.E.
Date started - June 5 1964
Date completed - June 22, 1964
Elevation, G.L. 5810
Casing Point - 1572'
Depth: Top Coconino 1172 (4638)
Depth: Top Halite 1612 (4198)
Depth: Top Sylvite none
Total Depth. 1839 (3971')

5810

D.M.C.
D. M. Clippinger

ENC: eos

<u>Hole No.</u>	<u>Interval (feet)</u>	<u>Formation or Member</u>
37	Ground elevation 5760' 0-100 -263 263- 553 842-999 999-1327 1327- 1406	(No samples) Upper Petrified Forest Lower Petrified Forest Top of greenish-grey unit Lower Wupatki Coconino Supai Top of 1st marker Anhydrite
38	Ground elevation 6210' 0-85 -290 290- 1003- 1262 1599-1655 1655-1722 1722-2035 2035- 2113	(No samples) Bidahochi (with basal conglomerate) Upper Petrified Forest Lower Petrified Forest Top of greenish-grey unit Lower Wupatki Kaibab Coconino Supai Top of 1st marker Anhydrite
39	Ground elevation 6100' 0-306 308- 753- 1040 1295- 1322-1468 1466-1753 1753- 1655	Bidahochi Upper Petrified Forest Lower Petrified Forest Top of greenish-grey unit Shinarump Lower Wupatki Coconino Supai Top of 1st marker Anhydrite
40	Ground elevation 5810' 0-15 15-66 66-571 571-622 622- 765 (Gr N log) 1008- 1069-1109 1109-1174 1174-1484 1484- 1569 (approx.)	Dune Sand Bidahochi Upper Petrified Forest Sonsela Lower Petrified Forest Top of greenish-grey unit (?) Shinarump Lower Wupatki Kaibab Coconino Supai Top of 1st marker Anhydrite



1-10

Form 3-A

DUVAL CORPORATION
Core Lithology, Supplemental Page

WHILE WE BELIEVE THIS INFORMATION TO BE CORRECT, WE MAKE NO REPRESENTATION WITH RESPECT TO, NOR DO WE ASSUME ANY RESPONSIBILITY FOR, THE ACCURACY THEREOF.

DUVAL CORPORATION

WELL NO. 40

PAGE NO. 1

- 1 ft. to GL

DEPTH (Feet)		INTERVAL			ESTIM. %		DESCRIPTION	
From	To	Feet			Shale	A		
							Abbreviations: H - Halite G - Gypsum	
							A - Anhydrite C-S - Clay-Silt	
							P - Polyhalite med.g. - medium grained	
							S - Sylvite clr. - clear	
							C - Carnallite occ. - occasional	
							f.g. - fine grained v - very	
							c.g. - coarse grained incr. - increasing	
							incl. - inclusions decr. - decreasing	
							irreg. - irregular brn - brown	
1557	0						STARTED CORING	
1557	0	1570	1	13	1	92	8	C-S, lt. brn., med. soft-hd.; several irreg. horizontal-high angle white a stringers, few blebs.
1570	1	1571	8	1	7	12	88	A & selenite, white- clr.; some med. brn. C-S incls.
1571	8	1574	8	3	0	96	4	C-S, brn, med. hd.; few small white A & selenite stringers.
1574	8	1575	6	0	8	-	100	A/G, some selenite, white-lt. gray; occ. small brn. C-S stringers.
1575	6	1576	1	0	5	90	10	C-S, brn., hd.; some white A/G blebs & stringers
1576	1	1577	4	1	3	8	92	A/G, white; few brn. C-S incls. & stringers, 1/2" band at 1576.6'.
1577	4	1577	7	0	3	95	5	C-S, brn.; few white A/G stringers.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 2

DEPTH (Feet)				INTERVAL		ESTIM. %		DESCRIPTION
From	To	Feet	Feet	Shale	A			
1557	7	1578	5	0	8	6	94	A, white, probably some G; few irreg. brn. C-S stringers, grading in down.
1578	5	1580	3	1	8	88	12	C-S, dk. red-brn., med. hd.; some white A/G zones in top & bottom thirds.
1580	3	1582	1	1	8	25	75	A, lt. gray; 0.3' 80% C-S zone at 1581.0', few thin bands at top, some irreg. brn. zones in brecciated A in lower half.
1582	1	1583	7	1	6	97	3	C-S red-brn., med.; few irreg. white A blebs, grading out in top 0.5'.
1583	7	1587	6	3	9	2	98	A, lt. gray, some white G, 1.1' 70% selenite at 1585.0'; 0.1' brn. C-S band at 1586.1'.
1587	6	1590	1	2	5	85	15	C-S, lt. tan to red-brn., med. soft; numerous small clr. selenite crystals, few small white A zones.
1590	1	1592	0	1	9	70	30	C-S, lt. brn., med.; some clr. selenite, incr. down from 12% to 30%, few white A bleb, 0.2' 80% zone at base.
1592	0	1604	8	12	8	1	99	A, white - med. gray, slightly mottled; some gray clay in bottom 0.5'.
1604	8	1609	4	4	6	94	6	C-S, red-brn., soft-v.soft; few irreg. small-lg. white A blebs.
1609	4	1612	1	2	7	12	88	A, lt. gray-white; few med. brn C-S zones, 0.2' 80% zone at 1610.0'.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 3

DEPTH (Feet)		INTERVAL			ESTIM. %		DESCRIPTION	
From	To	Feet			Shale	A		
1612	1						TOP OF SALT.	
1612	1	1613	1	1	0	5	8	H, clr., little tan, c.g.; few small white A stringers, $\frac{1}{4}$ " bands at 1612.3' & 1612.4'; 0.1' 40% brn. C-S zone at top, v. few other brn. stringers.
1613	1	1614	4	1	3	1	12	H, clr., c.g.; few med. white A stringers, 0.1' band at top, v. few small brn. C-S incls.
1614	4	1614	9	0	5	50	4	C-S, red-brn., med. hd., & H, c.g.; few white A stringers.
1614	9	1617	0	2	1	19	4	H, c.g.; some lg. irreg. lt. brn. C-S incls. & zones, decr. down from 30% to 8%; few small white A blebs.
1617	0	1617	6	0	6	45	8	C-S, red-brn., & H, med.-c.g.; few lg. white A blebs, few small stringers.
1617	6	1620	2	2	6	15	4	H, med.-c.g.; numerous irreg. lg. brn. C-S. zones; few med. white A blebs.
1620	2	1622	1	1	9	45	3	H, med.-c.g., & C-S, brn., med. soft; few small white A blebs.
1622	1	1624	7	2	6	8	3	H, med. g.; some irreg. lg. brn. C-S incls.; few small-med. white A blebs.
1624	7	1625	4	0	7	65	4	C-S, red-brn., med. soft; some H, med.; few small white A blebs & stringers.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 4

DEPTH (Feet)		INTERVAL			ESTIM. %		DESCRIPTION	
From	To	Feet			Ssals	A		
1625	4	1629	3	3	9	6	2	H, med.-c.g.; few small - med. brn. C-S incls; Few v. small white A stringers.
1629	3	1641	7	12	4	-	92	A. lt.-med. gray; few small - med. H intergrowths from 1623.0' to 1640.7'.
1641	7	1644	3	2	6	75	4	C-S red-brn., soft; some small - med. H, med., zones; few small white A stringers bordering the H zones.
1644	3	1645	4	1	1	20	1	H, med. - c.g.; some brown. C-S incls., 0.3' 30% soft gray clay at top; v. few small white A stringers.
1645	4	1648	0	2	6	2	5	H, clr., med. - c.g.; several small white A stringers; few small brn. C-S incls.
1648	0	1648	2	0	2	-	100	A, med. gray.
1648	2	1650	2	2	0	2	2	H, clr., med.-c.g.; few v. small brn. C-S incls. & white A stringers.
1650	2	1653	6	3	4	-	3	H, clr.-v.clr., c.g.; few small white A stringers, thin partings at 1650.7', 1651.0', & 1652.1'; occ. v. small brn C-S incl.
1653	6	1655	0	1	4	2	1	H, clr. in lower half, med. g.; few small brn. C-S incls. in top half; v. few small white A stringers.
1655	0	1656	4	1	4	17	3	H, c.g.; some irreg. lg. brn. C-S incls. decr. down from 30% to 4%; few small-med. white A Stringers.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 5

DEPTH (Feet)		INTERVAL		ESTIM. %		DESCRIPTION		
From	To	Feet		Shale	A			
1656	4	1657	7	1	3	1	2	H, clr., c.g.; v. few brn. C-S incls., grading down; few v. small white A stringers.
1657	7	1657	9	0	2	-	85	A, white- lt. gray; few H, med., incls.
1657	9	1658	7	0	8	65	3	C-S, brn., med. soft; few H, f.g., zones, 0.2' 80% H at 1658.1'; few small white A blebs.
1658	7	1660	2	1	5	55	2	C-S, red-brn., soft, & H, f.g.-med., 85% H in top 0.4', 0.2' 70% at 1659.3' & 1659.7'; few small white A stringers & blebs.
1660	2	1661	6	1	4	35	2	H, med. g.; some C-S, brn., 0.5' 85% zone at base; few small white A stringers.
1661	6	1663	0	1	4	15	1	H, med.; numerous small-med. brn. C-S incls., decr. down from 20% to 10%; v. few white A stringers.
1663	0	1664	1	1	1	45	2	H, med.g., & C-S, lt. brn., med. soft, as lg. irreg incls. & zones; few small white A stringers.
1664	.1	1665	.5	1	4	20	3	H, med to c.g.; numerous sm. to med. br. c.s. incls.; few sm. w. A blebs.
1665	5	1668	3	2	8	18	3	H, med.gr., many sm. to lg. br. C-S incls., decr. down from 30% to 6%. 1/2" band at 1660.0' few sm. w. A stringers.
1668	3	1670	6	2	3	12	3	H, med., some sm. br. C-S incls., thin partings at 1669.0' & 1669.8'. few sm. w. A blebs.
1670	6	1672	4	2	8	25	2	H, med. to c.g.; many lg. br. C-S incls. decr. down from 40% to 10%; few sm. w. A stringers.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 6

DEPTH (Feet)		INTERVAL		ESTIM. %		DESCRIPTION	
From	To	Feet		Shale	A		
1673	4	1678	1	4	7	8 2	H, med.gr. clr. in lower half, few med. br. C-S incls. grading out down, thin parting at 1676.9' several sm. w. A stringers in lower third.
1678	1	1684	9	6	8	- 3	H, clr. med to c.g., few med. w. A stringer occ. sm. br. C-S incls.
1684	9	1685	9	1	0	- 85	A, white to light gray; few H, c.g., zones & interzones.
1685	9	1687	8	1	9	15 1	H, f.g. to c.g. numerous med. to lg. br. C-S incls. v. few w. A stringers.
1687	8	1691	3	3	5	2 4	H, clr. med to c.g.; several sm. w. A stringers few sm. br. C-S incls.; 1/2" C-S band at 1688.3'.
1691	3	1695	6	4	3	- 7	H, clr. to pink c.g. several sm. w. A stringers, thin parting at 1692.5'.
1695	6	1696	1	0	5	5 50	A, lgt. gray & H. med. 0.3' 80% A at top; some br. C-S incls. in bottom 0.2'
1696	1	1697	0	0	9	30 3	H, f.g. to med. numerous sm. br. C-S incls. 2" hand at top, few sm. w. A stringers.
1697	0	1968	3	1	3	55 4	C-S br. med.s., & H, f.g. to med. 0.1' C-S band at 1697.8'; few sm. w. A stringers.
1698	3	1701	3	3	0	75 3	C-S br. med.s. 0.4' band at top some H; f.g. to c.g. blebs & zones; few sm. w. A stringers.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 7

DEPTH (Feet)				INTERVAL		ESTIM. %		DESCRIPTION
From	To	Feet	Feet	Shale	A			
1701	3	1702	4	1	1	15	1	H, c.g. some lg. br. C-S incls. V. few sm. white A stringers.
1702	4	1704	0	1	6	65	-	C-S light br. soft, some H c.g.
1704	0	1705	7	1	7	12	3	H, c.g.; some med. to lg. br. C-S incls, few small white A stringers.
1705	7	1707	8	2	1	55	6	C-S br. med. soft & H. c.g. as a 0.8' 80% zone at 1706.2' few other blebs; few med. white A stringers.
1707	8	1715	5	7	7	1	5	H, clr. med. to c.g., few med. white A stringers & blebs, thin irreg. partings at 1708.3' & 1714.3' v. few small br. C-S incls.
1715	5	1716	2	0	7	-	55	A, white some H; f.g. intergrowths, thin A band at base.
1716	2	1718	0	1	8	20	8	H, f.g.; some lg. br. to green C-S incls, 0.2' band at 1716.3' few irreg. white A stringers thin parting $\frac{1}{2}$ " below top.
1718	0	1719	8	1	8	65	3	C-S brn. soft. 0.2' band at top, 0.4' 80% zone at 1719.1'; some H. med, few small white A blebs.
1719	8	1724	0	4	2	7	2	H, med.gr. several small brn. C-S incls. decr. down from 12% to 2% few small white A stringers.
1724	0	1730	1	6	1	2	2	H, med. to c.g. clr.; few small brn. C-S incls. & white A stringers.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 8

DEPTH (Feet)		INTERVAL		ESTIM. %		DESCRIPTION		
From	To	Feet	Shale	A				
1730	1	1730	9	0	8	8	5	H, c.g.; several lg. brn. C-S incls. & white A stringers.
1730	9	1733	2	2	3	1	6	H, clr. c.g. several med. white A stringers, v. few small brn. C-S incls.
1733	2	1733	7	0	5	25	15	H, med.g. numerous med. H. brn. to gray C-S incls. several small white A stringers.
1733	7	1734	3	0	6	85	4	C-S red-brn. soft. few schistose H. zones & small white A blebs and stringers.
1734	3	1737	8	3	5	14	3	H, med. c.g.; numerous med. to lg. brn. C-S incls. decr. down from 20% at top to 8% at base. few small white A stringers.
1737	8	1742	0	4	2	2	3	H, clr. med. to c.g.; few small white A stringers & C-S incls.
1742	0	1747	5	5	5	-	4	H, clr. med. to c.g.; few med. white A stringers. occ. small brn. C-S incls.
1747	5	1748	7	1	2	-	15	H, clr. c.g.; several med. white A stringers. 0.1' bands at top and 1747.8.
1748	7	1750	4	1	7	-	80	A, white to lgt. gray; some H. med. intergrowths, irreg. 2" tan H zone at 1750.1'.
1750	4	1751	9	1	5	92	2	C-S red-brn. soft. several thin H veinlets. few small white A blebs.
1751	9	1752	7	0	8	40	6	H, f.g. to c.g.; numerous lg. brn. C-S incls. 0.1' 80% zone at base; few lg. white A blebs.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 9

DEPTH (Feet)				INTERVAL		ESTIM. %		DESCRIPTION
From		To		Feet		Shale	A	
1752	7	1754	6	1	9	3	3	H, fairly clr. c.g. few small brn. C-S incls. grading out down; few med. white A stringers in lower half.
1754	6	1757	2	2	6	1	3	H, clr. med to c.g.; few white A stringers $\frac{1}{2}$ " bands at 1755.5' and 1756.4'; few small brn. C-S incls.
1757	2	1761	2	4	0	-	7	H, clr.; med. c.g.; several med. white A stringers, $\frac{1}{2}$ " band at 1758.5' and a 0.2' band at 1760.9'.
1761	2	1761	9	0	7	5	88	A, white; few small H. intergrowths; 0.1' 30% brn C-S at base.
1761	9	1763	3	1	4	-	8	H, clr. c.g.; several lg. white A stringers & tan A/P zones.
1763	3	1763	7	0	4	25	4	H, med; numerous lg. brn. C-S incls.; thin partings at top; few small white A blebs.
1763	7	1766	7	3	0	1	3	H, clr.; med. to c.g.; few med. white A stringers; v. few small brn. C-S incls.
1766	7	1772	8	6	1	2	4	H, clr. c.g.; few med. white A stringers, $\frac{1}{2}$ " band at 1769.8'; few small brn. C-S incls. 0.4' 10% zone at top.
1772	8	1773	6	0	8	30	15	H, c.g.; numerous lg. gray C-S zones; some A gray, 0.1' band at top.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40

PAGE NO. 10

DEPTH (Feet)		INTERVAL		ESTIM. %		DESCRIPTION		
From	To	Feet		Shale	A			
1773	6	1775	8	2	2	30	15	H, f.g. to c.g.; many lg.; brn., C-S incls., 0.2' 80% zone at 1775.0' several lg. gray A zones, thin parting at 1773.8', 0.2' band at base.
1775	8	1778	1	2	3	50	8	C-S red-brn, soft and H, med, numerous small white A zones, finely disseminated in clay.
1778	1	1781	6	3	5	20	2	H. med., c.g.; many lg. red-brn. C-S incls. 0.2' band at 1779.0', overlain by 0.1' clr. schistose H; few small white A stringers.
1781	6	1784	7	3	1	3	6	H, med. to c.g.; several med. white, A stringers grading in down; few med. brn. C-S incls.
1784	7	1790	2	5	5	80	3	C-S, brn., soft; some H med. zones & blebs; few small white A blebs.
1790	2	1793	8	2	4	6	2	H, med.; numerous small brn C-S incls.; few small white A stringers.
1793	8	1802	8	9	0	2	3	H, clr., med, to c.g.; few small brn. C-S incls. grading out down; several med. to lg. white A stringers grading in down, 1/2" band at 1800.7'.
1802	8	1809	3	6	5	30	4	H, med., c.g.; many lg. brn. C-S incls. and zones, 0.1' band at 1805.4', 0.3' at 1806.6', 0.3' 80% zone at base; few small white A stringers.

DUVAL CORPORATION
Core Lithology, Supplemental Page

WELL NO. 40PAGE NO. 11

DEPTH (Feet)		INTERVAL		ESTIM. %		DESCRIPTION		
From	To	Feet		Shale	P			
1809	3	1811	4	2	1	4	2	H. clr. med.; few med. brn. C-S inclrs., and white A stringers.
1811	4	1812	2	0	8	55	3	C-S brn. soft, and H. med., thin white, A parting at top.
1812	2	1814	2	2	0	4	3	H, med.g.; few med. brn. C-S incls. grading out down; few med. white A stringers.
1814	2	1816	0	1	8	2	2	H, clr., med. to c.g.; few small brn. C-S incls. and white A stringers.
1816	0	1816	8	0	0	12	3	H, med.g.; several med brn. C-S incls; few small white, A stringers.
1816	8	1817	3	0	5	70	3	C-S, lt. red-brn., soft; some H, f.g.-med.; few small white A blebs.
1817	3	1819	7	2	4	3	6	H, clr., med.- c.g.; several med.- lg. white A stringers, thin parting at 1819.2'; few med. brn. C-S incls.
1819	7	1822	9	3	2	2	4	H, clr., med.- c.g.; few med. white A blebs & small brn. C-S incls.
1822	9	1825	0	2	1	4	7	H, med.- c.g.; several small-med. white A stringers, 0.2' 40% zone at top; several small brn. C-S incls.
1825	0	1828	0	3	0	-	2	H, v. clr., med.- c.g.; few small white A stringers; occ. v. small brn. C-S incl.

