

BOOK NO _____
From _____
To _____

mead

Well Sample

546 1104
TARGET
820 .99

Book (10) Embayo

Keep

stenographers notebook

Gregg Ruled
6 in. x 9 in.
100 Sheets
43-4204



Arkansas ✓

Clark ✓

Clay ✓

Cleveland ✓

(Craighead No 138 - 10-13N-1E (1265'))

Crittenden ✓

Cross ✓

(Green (150) Adams - Fee (2000) 23-16N-6E

✓ (No 843) Little - No 1 Griffity 30-18N-6E
5880'

Hot Spring #155 - 3-6S-10W 480
100 32-3S-17W 580

Independence (No new wells) 100 19-4S-16W 1393
Jackson ("5") 16-3S-8W 150-3101
Jefferson 32 9-3S-8W 3062

664 30-3S-8W 127-2284

Lawrence 760 USGS #2 Lake Charles W
(only 1 new well) 36-17N-2W 0-245'

Lee 4 14-2N-1E 600-3642

~~680~~

830 USGS #1 Test Hole 9-1N-4E 2400'

Louisiana ✓
Mississippi - 1 well - 697 - Bondufres Trees - Mac 325-12E
Morris 15 34-4N-2W 2700'

24 26-2N-3W 990-3010

525 USGS Brookley 1690

Cleburne
Craighead
Fulton
Sharp
Stony
Van Buren

Phillips 7 27-35-2E 2860-4535
616 AMBASSADOR - Thompson
11-35-4E 1730-9296

Poinsett
67 (a1267) 12-10N-4E 1400-2670
1806 The H & L Co., #1 Hogue 4-11N-2E 0-1690

Prairie ✓

Puleski
642 21-2N-10W 230-8005

Randolph
✓ 2041 Clark & Son, #1 Barendsen Spgs
↑ only new well 6-19N-2W 0-785

St Francis ✓

White ✓
Woodruff #2022 Jack Stack #1 Vincent
27-4N-3W/240-6600

No 386 Strake #1 Russell
24-19N-11E
Pemiscol, C. Mo 20-4740

① Charles Dorrah #1 J.R. Brady 6/10/34
✓ C NW SW NE 32-21N-8E

Clay County 6" Casg 200'

TD 851' 4½" casg on bottom

~~ca~~ w/ lower part slotted to
bail quicksand -

Tops: (No Infor)

② Ralph Landrey Co - No 1 O.C. Bridges 6-234
✓ SW NW NE 13-21N-8E

Clay County - TD 1,000

Tops: No info

③ Thomas C. Knight - No 1 Lowell Asher 9/25/52
✓ C-NW NW NW 15-21N-4E

Clay County - TD-670

No info

④ Jeffus #1 Underwood July, 1931

510' fr SL, 350' fr FL NW SE

4-20N-8E (SE NW SE)

Clay Co, Ark

Elev 488'

Tops: Porters Creek 509, Clayton 908,

Arkadelphia 920, Neocatech 955

Pakozics 1208' / 1720'
+88'

⑤ Ted Parsley et al #1 Glen Cox 11-6-63
 17-20N-3E Randolph Co
 C SW SW SW (1 mi W Reyno)
 Ele: 300 ^{GL} Grd est - KB 4' above GL
 TD: 4005'

Run IEL to 4002
 Orig drld by Michel & Guelic to
 2007, deepen by Robert
 H. Dudley to TD 4005
 (Haley has E-log to 1833' -
 Shows S. Palmest like SS & Sh)

1600-26' Crd-Li, Hd, dsc
 1800-24' Li, Hd, dsc
 1841 Run IELs

⑥ Grant Gallatin, N1 J calway
 17-19N-8E - C-SW SW 1/4 SW 1/4
 Clay Co, Ark
 Ele - 285' TD 1350
 Top line, (base sh) @ 1313'
 285

Ar. N. No. 204
 300-1350

1028

⑦ Hill - Glasgow 45-56
 C NE NE NE 19-19N-8E
 Clay Co
 Ele 285 grd est TD 1369
 "Samples bad li w/ 50 1257-97
 in Miss"
 285

972 ??

⑧ Hill - Cope land
 330' FEL, 332' FNL SW/A
 6-19N-8E
 Clay County TD-1281'
 No info

⑨ Frank Insalco - #1 wmt + Myrtle Bennett ¹⁰⁻⁷⁻⁵⁴
 TD: 650 - No info
 c SESE SW
 1-19N-2E Randolph Co 11-29-65
 Greene Co

⑩ Question Little - ¹¹⁻²⁹⁻⁶⁵ ~~W~~ Harold Griffith
 Ele - 340 to 0
 Sec 30 - 18N-6E C SW SW SE
 TD: 5801 - KB - 13' above GL
 8
 ord 1250 ±
 -340 to 910 (E Log)

Sec 6/20N 2E AA C1 (Maynard)
 GENENE = 1

⑪ Ele - 485
 TD - 900 (Foster) (Randolph County)

Cotter
 JC 130
 _____ 525 (could be 500)
 Roub
 _____ 700 ± (may be lower)
 Gasc
 _____ TD in Gasc

APT No
 843
 0-5880

(12) Walter Adams No 1 Fee (P. 12-13) Greene Co
C NE SE NE 23-16N-6E

Ark No
150
2008

Elev est - 165' (700 low = 230 ±)
Paleozoics @ 1840' TD: 2008

2450
-1590

860

(13) C R Larson #1 EM Cleveland 8-26-78

1149' fr N/2, 399' fr E L
27-15N-1W Lawrence Co, Ark
TD: 301 No info

(14) C E Walters No 1 H, Johnson (P19) (#107 on sheets)

Ark No 138
815-1265

100' fr N & W/15
Craighead Co, Ark
TD: 1510' [No info]

NW NW NW NW
10-13N-1E

(15) Tubular Service & Engineering Co. (3-295)

Frame

1 C C Norris
330' fr ^N, 135' fr W NW 5E
17-12N-4W, Independence Co.
Elev. 235'; TD: 670

Casing: 9 3/8" 100'

(16) R L Jones 1 Norris (11-1-5)

NW NW 5E
17-12N-4W
Independence Co
TD 505

(17) ✓ The Henley-Lundgren Co. 20-9-72

#1 E.E. Hogue
Sec 4 - 11N-2E 660 FSL, 660 FE L.SINE
(1 mi E/Weimer)

TD - 1691 (E-log to 1606)
Ele; 64247 KB; 252 (Log from KB)
TD; 1691
- 252

- 1439 (TD)

E-log esti - well barely got to Paleozoics?

(18) ✓ Charles E. McRay
1-2 A.C. Smith
Sec 2 - 11N-9W

✓ Assoc 8-17-78
Cedarburne Co Ele: 10526⁷⁸
TD - 2477
E-log (Gamma) 100-2478

Ark No: 2147
1210.22' FNL + 1238.37' FWL sec 2

(19) ✓ Charles E. McRay
1-23 Hearst

✓ Assoc (9-30-76)
Cedarburne Co Ele: 710 Grd

Sec ~~35~~²³ - 11N-11W / 2540' FSL; 1975' FWL
TD: 5271

Sec 23
Ark No: 2024
E-log 290 - 5267

20 ✓

6-8-53

KL Peters et al No 1 Weona Farms

SE NE 12-10N-4E

Poinsette Co., Ark

TD: 2637

Ark No 67 (or 1267)

(1400 - 2670')

E-log to 2660 - Top Paleozoic @ 2590

Top Paleozoics should be @ -2400 $\frac{2590}{210} = 2280$

21 ✓

Seaboard "B" Core Hole

8-3-53

C 5 1/2 SW SW 14-10N-2E

File: 290 (top)

Poinsett Co., Ark.

TD: 2106

E-log to 2114

Schl 2 2114

Resistivity changed from 20-100 ohms by logger @ 2050

E-log suggests top Paleozoics @ 2090 $\frac{2110}{220} = 2090$ (Too near bottom of log to be exact)

22 ✓

Seaboard "A" Core Hole

8-3-53

C NW SE 19-10N-2E

Poinsette Co., Ark

TD: 1983

No info.

✓ May be $\frac{1983}{2143} = 1743$ Top of Paleozoics test

23

Homer S. Head No 1 CB Foushee 2/19/53

NW NE 28-10N-2W - Jackson Co

TD: 1192'

KB-234

$\frac{1192}{234} = 958$

E-log not conclusive
Top coal says TD: 1192' No info

24 ✓ Deardorf Oil 1 Dugget + 8-25-52
C NW NW 31-10N-3W Ele: 215

Jackson Co, Ark
" Nocatech top 1285 } Not correct - No
O sp 2638-91 } sample 0-605 - first
samples = miss sh?

On block of 21,000 acres on ^{aerial magnetometer} ~~an~~ King
Pipe set @ 4088 in Powell - sandy
zone = water; cuttings show porosity
in Powell @ 3900 w/ top Powell cased
@ 3850 - 2d zone zone 4064-4068
" Deeprock 4-10-6W Ele 475' land
Powell top at 4050"

25 ✓ Deep Rock #1 Sample
C N 1/2 SW 4-10N-6W
White Co, Ark.

Orley 9/30/52
" Sept. 25 1952. Phone; Tom Land Dept
to Deep Rock, Tulsa DST 3530' open
2 hrs. good blow gas

Surface pressure 33 lbs BHP 1235 lbs
in 15 min; Rec 210' g mud.
Gas would not burn.

DST; 3530'-59' Open 90 min rec.
30' mud - Grad 3559-74' rec 3'

hd sty 15' DST 3512-74 open 4 hrs. Gas
in 3 hrs 45 min. Rec 103' g mud. Gas burned
TFP 35 lbs SIP 1670 lbs

(25) continued (Sample)

Rancharts 10/30/52

Using 5/8-inch bottom and 3/4-inch top
chokes, test record working pressure
16 1/2 lbs w/gas to surface in 3 hrs
& 35 min. Flow was estimated at
less than 1,000,000 cu ft/day. Gas
had good odor and burned freely. Recovery
was 110 feet & 9 c sand. Bottom hole
pressure was record as 33 pounds;
shut-in pressure bottom hole 1070 pounds
in 15 min -

11-26-52 after acid treatment and
hydraulic fracturing, well yielded estimated
10,000 cu ft gas/day. Best
showing approx 3536-38'

Drill site block & 15,000 acres
acquired on basis of surface geology

(26) Wyoming - Reagan 14-10N-7W

PI card: TD 6705 - run TFS, set

cas, perf 240/7150-420 (U St Peter)

A) 5000 gals, surd 22 bbls at 38 deg
gr oil @ 80 bbls fluid/day

fluid @ 300# sd @ 450 BOPD

surd 22 bbl BOP @ 40 # 64 BWPD,
gr 38 deg! total was non-common oil well.

27 ✓ Phillips #1 Cleveland
29-10N-16W ↘ Ele: est 860' DF

3/4 mi NE / Formosa = 14W
Either 16W or 14W is @ 800' ±
- Cleveland sheet Formosa sheet

28 ✓ Hughes Pet CORP (P21) 10-19-77
C No. K.E. Thompson Cross Co

ArR #2080 19-9N-5E, 300' FSL, 300' FWL SW NE
Ele 207 DF; TD: 3550'

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ArR No 2080 - 210-3550
E-log to 2050 only

29 ✓ Cross Oil 12-18-52
C W M Smith

C SW SW SW 21-9N-4E Cross Co
DF: 219'
TD - 2873
E-log - Resistivity changed 50 → 100 @ 2733

2745 ±
219
<u>2526 ±</u>

29 ✓ Houston Oil & Min 1/27/79
C #1 Sanger

Sec 36 - 9N-4E Ele: 203.6 Gn
1. 1980' FSL & 660' FEL Sec 36 217.6 KRB
Depth (driller) Run 1 = 3005 (logger 3021)
Scale change @ 2930 TD, 11, 158
Casing @ 3028 2950
217.6
2732.4

(30) ✓ Seaboard Oil
Core hole "C"

8-9N-2E E-log to 2125
but cut off @ 1740

Probably did not drill to Paleozoics

(31) Magnolia Petr Co 5/29/57
#1 Roy Shurgis Ele: 217
C SW SW 30-9N 3W

Woodruff Co, Ark

5/15/57 Wildcat is situated in an area to
which Magnolia has devoted considerable
effort with gravity meter, magnetometer,
and seismograph. Well site is on 9,000
acre lease in area where Magnolia
has 40,000 acres under lease.

Magnolia will operate the well on a
straight - up basis,

- E-log log Atoka-484
- Miss 1970
- Chatt 3550
- Sylamore 3655
- Everton 3680
- Bowell 4110
- Arthur 4893
- JC 5568 in T1 @ T1

(32) ✓ Lion Oil Co (Killam & McMillan)
No. 1 Curl
C NE SW 10-7N-5W

Elev 440' ±
(From W.C. Dennis - Lion)

White Cr. Ark

11-11-54
Sample logs from Denver Sample Log Service

Base Atoka 1320

St Clair ls	3475
Kennaswood	3565
Decorah sh	3675
Phillip ls	3710
Grachin ls	3905
St. Peter	3965
Evarta	4105
TD	4772

(33) ✓ Perm - Mc Collum 6-24-61

13-9-8 - C SW SE

Reservoirs - E-log tops Kessler 1556
Fayetteville 2980

(34) ✓ Beard #1 Evans 11-28-58

32-9N-11W - 660' FNL, 624' FEL SW 1/4
Ceburne Cr
Elev - 660' TD 3868

Production (Atoka) 1956-98

See IP; C OF 430, 100 CF GPD

"Hole started and ended in Atoka"

1 mi SE / Quitman.

(33) ✓ Texas Oil & Gas Corp 10-7-78
 Liles No 1 - Cleburne Co
 27-9N-10W 400' FNL & 1600 FWL
 Ground 845
 KB 857 (Log datum)
 TD: 7204

Tops from E-logs are questionable
2d Card

Perron	- 1555	}	B/At. Ru	1555
Mp	- 3780? or 3920?P		Hale	2568
Dp	- 5210?		Fulle	3780
Oc	- 5335?		Hunter	5440
Osp	- 5750 T P P		Arbuckle	6450
TD in Opw?				

(36) ✓ Stanley Oil Corp - #1 Danner
 C Cen 18 - 8N-9E Wittendon
 TD - 3351 Ele. 225
 T-15-38
 E-log only
 1300 to 3351

Marlbrook - 2406 - 3235 sh & limy sh
 Te Rio? - 3235 - 3300 Lime
 Paleozoics 3300 - 3351 Sandy lime
 225
 - 3075
 E-log correlation with
 current well (No 48)
 suggests Paleo is lower
 est 3351 or lower
 225
 - 3126 or lower

Ark No. 79
758-3380

(37) ✓ JK Dobbs (P. 45)
Rowena D Bond #1

8-22-52
E log only
(350-2550)
GL - 224

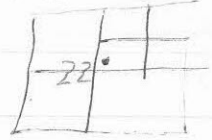
16-8N-8E - 780' F S/L
TD: 3380 390' F E/L Sec 16
~~FD - 2550 in K TD: 3380~~

Ark No. 237

(38) ✓ H-L. Hawkins (P. 67)
R.G. O'Neal

crittenden co 2-22-50
~~E log only~~

Sec 22-8N-7E 330' FWL of 330 F 56
of SW NE
Ele: ? - 225 (Topo)
TD - 3474



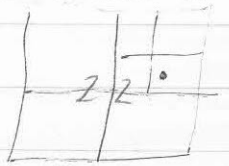
Fault marked @ 3375'
Top of paleozoics = 3165 ±
Marked 225 ±

Ark No. 153
250' low

(39) ✓ J.E. Stack (P. 8-9)
R.G. O'Neal #1-X

6-24-72 (P. 8-9)
-2940

22-8N-7E 500' F 52 of 345' FWL of
SE 1/4 NE 1/4
GL - 218 1' B - 226
TD: 3678



E-Log suggest Paleozoic top ~~3375~~
3420 3475
226 226
-3202 - 3199

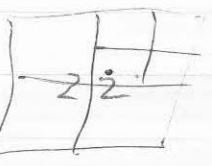
Ark well No 78

(40) ✓ ME. Davis - #1 DeWange (P. 2-3)

5-16-52
467' FR 5 1/4 W L's NE 1/4 Sec 22
DF - 224' ✓

22-8N-7E
TD: 3022
Paleo top 3184 ±
224
-2960

Gas show
2868 & 4794-1874



(41) Ralph A Johnson 7-11-57
 C ✓ #1 Louis Alpe
 C NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ 23-8N-7E

		23

 DF - 222' GL - 216
 Log base TD: 3454

E-log call - Top Paleozoics 3420
 222
 - 3198

(42) Crittenden Pattenxson Brothers 11-26-50
 C T.P. Magnus #1 E-log - no samples

Sec 25 (E-log = sec 35 but corrected) 8N-6E
 268' N, 582' W of C. Sec 25 35-8N-6E
 DF - 211

T.D. - 3195 -
 215
 - 2980 ft
 2 Too shallow
 May have probably just reached Paleozoics - E-log call but looks 50 to 100' short Units are deeper than in DeMange well

(43) Crittenden J.S. Patterson No 2 Magnus 2/1/51
 C SW SE SW 25-8N-6E

TD: 3260 - No info
 215
 No Springs ³⁰ or E-log on E-log

(44) Cross Oil Co. #1 Whitty (Whitby?) 11-2-53
 C NE NE 15-8N-3E Cross G
 TD - 2910 No info
 400

E-log - 25' ^{1P} TD 600 ¹⁴ - about Paleozoics
 at or nearly to the Paleozoics -
 (may be 50' short)

ARK No. 162

(45) ✓ Cross Oil
C A Rhodes #1

C SW SW NE 20-8N-2E

Elev - P → Elev: 225 ± top

E-log to 1869 - TD - 2500

E-log is 600' ± short of Paleozoics

(46) C5G Expl

No 1 Patterson

4-22-76
Elev: 762' Grad

Log datum → 775.8 DF
770.5 BS

11-8N-10W 660' FNL 660' FEL NE SE

TD - ~~6050~~ 6779

PI Top calls (E-log)

Basal Atoka 2068

Hale 2860

Fille 4690

Miss Slsn 5320

Penters 5970

Viola li 6040

St Peter 6413

DTA
in Quitman Fla

443'

(47) Texas O & G #1 Rocka Comp. 9-2-29 White County

4-8N-9W
660 FNL, 660 FEL

TD - 7460
Samples 720-7320

PLE-log Tops:

Dunn #1 1342

Hale 2288

Fille 3785

Boone 5385

Chatt 5500

Penters-Hurden 5550

St. Peter 5960

Elev: 630 MB

Ark No - 1989

Ark No
2199

(48) ✓ General Crude Oil (P10) 2-24-63

Ark No. 690
Grid E-log

C No 1 L. H. Carruth Est, - Crittenden Co

C NE NW NW
5-7N-8E

Log datum KB 10' above BH

TD - 3654

Ele 210 grad

E-log call -

220 KB

Nac 2516

Tokio 3276

Paleo 3340

220

- 3120

} 824 ✓

(49) ✓ Manning & Martin, Inc. 12-12-37
Ele. 225

Ark No. 736

C No 1 Cartwright (Crittenden Co)

SW NE SW (1720' N, 1550' E, SW c)

16-7N-8E

TD: 3510 1/2

Logged by RSL

(50) ✓ Ada R. Wilson & L.A. Renkin (P. 9a) 7-9-60
(Crittenden)

C #1 J. M. Leach

St: 221 RT
215 Grid

Ark No. 309
Grid log

Sec 5, 7N-7E C NESENE

Tops - Nac - 2600

TD: 3460

Cap Rock - 2657

Ogsand - 2800

} 801

Ord - 3458
221

- 3237

(51) ✓ J. J. Tucker 12-26-55
 C #) McKnight Ele: GL-212
 NW NW ~~NW~~ ^{SW} 20-7N-7E RT-217
 E-log calls E-log 200-3450 TD 3450
 Wilcox 1150
 (Probably OK) Midway 2075
 Samples in lower interval mostly not representative @ 3790 med-gr dolio f-gran to rf Aln ls = Ord }
 Too close to base of E-log to give clear Kipaka call } 832
 Arkadelphia 2550
 Nacatoch sd 2603 CR 2615
 Ozanine 3394
 Plattin (?) lim 3500 3447
 212
 - 3230

Ark No. 137

(52) ✓ J. Lloyd Patton Oil Properties (cross co) 5-29-17
 #) Armstrong GL: 400
 330' FS & EL's Log Datum KB: 409.4
 Sec 36-7N-3E TD-3300
 E-log top
 Caprick 2555 } 728'
 Paleozoics 3283
 409
 - 2874

Ark log 696
520310

(33) ✓ Seaboard "D^KE" Core Hole 8/3/53
 C N 1/2 NW 22-7N-7E Cross G
 TD: 2647
 2254
 - 2422

(54) ✓ Cross Oil Co 7/21/52
 Riley Surrat No. 1 Ele: 210' Top
 C NW NW NW TD: 2540
 Sec 33 - 7N - 2E 210
- 2330
 E-log - Nec 2130
 Paleozoics 2850 (est) Not Reached
210
- 2640 (too deep)

(53) ✓ Cross Oil Co 7-1-52
 Neuman Bris #1 Cross Co
 C NW NE NW Ele - P
 Sec 28 - 7N - 1E 2020
TD - ~~2000~~
 E-log tops Midway 1355
 Nec 1984
 Did not reach
 Paleozoic Top

(56) ✓ Cross Oil Co 72-29-52
 C NW NE NE Cross Co
 36 - 7N - 1E Ele 210' Top
TD: 2660
210
- 2450
 No Info - No E-log

(57) ✓ W & M Drilling & Production Co 11-3-66
 J.C. Rhew No. 1 White Co
 SW SE Ele - ?
 11 - 7N - 6W datum RT 3' above bot
 Casing 51'
 G 64' ? TD - 368'
 Sh. may be partly Paleozoic? Elev 210
 Skale 4 TD - 150
 Should be bottomed in Paleozoics but poor E-log

(58)

✓ Tom B Boston (P18)

#1 R. D. Wilmans

Ele-?

660' FSL 606' FEL SW $\frac{1}{4}$

24-7N-6W

white Co

TD - 521

CSG: 10 $\frac{3}{4}$ " 60'

Paleozoic top

421

Arr #104

(59)

✓ A. L. Boyd

8-1-67

#1 S. J. Robbins

white Co

1650' FNL, 980' FEL, 3 $\frac{1}{2}$ mi SE/Scary

Sec 30 - 7N - 6W

Ele 225 DF

TD - 320'

E-log kick @ 137 (Shale/Paleo ^{on land K}?)

225 → Probably $\frac{315}{225}$

+ 88 ?? $\frac{-90}{-90}$

(60)

✓ Weaver Operating Co

8-1-68

#1 Carol

white Cr

NW-NE-NW

GL: 220
(Datum = GL)

Sec 32 - 7N - 6W

TD 607

Pinchits (E-log tops)

Nrc 407 - 525

Paleo

525

OK

220

- 305

① Aladdin Pet. Corp
#1 Cruc Kett

(White G) 4-30-62

CSE NW

GL-280+-

Sec 2-7N-8W

TD-3167

Rineharts E-log tops;

Morrow 1240

Miss (Fülle) 3034

(See Horn

& Letone wells)

ArK No. 604
(8-3166)

② Lone Star Prod Co

(Faulkner Co)
12-31-73

#1 E. W. Moore Est

1980' FNK, 660' FEL 15W 1/4

TD: 10,500

(Cen 5E 1/4 5W 1/4)

GL-294.5

Sec 22-7N-12W

18.5

PI E-log tops

MB 313,0'

Miss 7760

Huerfano (Peters) 7944

ArK No. 1901
1320

③ Ramsey Pet Co (P.1)

12-15-78

C #1 Martha Sanders

TD-3504

250' fr N&E/L's

No E-log

Sec 15-6N-7E

GL=206+ Topo

Crittenden Co, Ark

RT 212'

Ramp

Wilcox - 1150

Madison - 2075

Ark - 2550

Wae - 2603

Paleo - 3500

3500

212

3288

ArK No. 12
Sample 43450

Sample 43450

(64) Guy I. Warren et al (St. Francis Co) 1-13-6)

C #1 S. Malkin Realty Co, Inc GL-204

330' FSL, 787' FWL of SE $\frac{1}{4}$ NE $\frac{1}{4}$ KB-2A

Sec R1-6N-6E TD-3532

Rimharts E-log Tops

CR-1180

WX-1327

massive fresh

H₂O sd - 1512-1730

Mud - 2110

Clay - 2470

Ark - 2561

Mac Sd - 2604

Sara - 2845

Ozm Sd - 3400-62

Paleo? Li - 3480

← looks OK

(65) Manning & Martin, Inc (p 27-29)

Park-Gieseck #1 (Criss Co)

Sec 4 W $\frac{1}{2}$ Lot 1, NE $\frac{1}{4}$ (NW NE NE) = NW NE NE

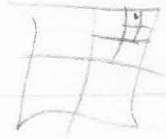
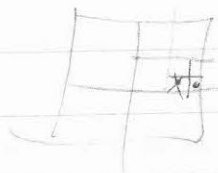
~~#~~ - 6N-5~~E~~

E-log

TD: 4451


Base K - 3285 (E-log) = 3275 on RIL log

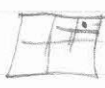
210
-3075



723
- 973
No - 973
Ark No 1316

Sample + E-log
- 3230
205
- 325

(66) ✓ H. P. ^{NE-105} Traubman 10-8-48
 #1 T. Peel  (Woodruff Co)
 C. NE NW NE
 26-6N-3 W Woodruff Co., Ark.,
 TD: 1600 Ele 215 (on end)
 Ele: GL-200' (on E-log)
 Resistivity kicks out @ 1575
 (Samples showed no Pale) 200
 (Cyclon shows a few feet - 1375 ±
 of Pale)

(67) ✓ Robert A. Voight & Associates 12-3-53
 #1 R. E. Shafer 
 515' fr NL, 330' fr WL NENE
 13-6N-5W white Co
 Rineharts Tops Ele 220'
 Atoka 943 TD: 1067
220
 ✓ - 723

(68) W M Parks ^(P18) (white Co) 6-15-53
 #1 No 1 Gregg TD-93)
 A-6N-5W Samples 100-898
 (330' S&W of C) Ele: 212
 Tops: E-log/T = Paleozoics 740
 212
528

Ark No. 1

69 W M Parks
 #2 Russell C Gregg
 C SW SW NW
 27-6N-5W

12-30-53

White Co., Ark
 Ele: 190'
 TD: 1165

Sample Top: Atoka: 980
 190
 -790

70 W M Parks (P17)
 #1 Lura Walker



12-30-53

Arx No. 10
 C NW SW NW
 28-6N-5W white Co
 Rinehart
 Sample Top
 Wx 165'

Ele-220

TD-1065

(Samples 700-1000)

Atoka 960 $\frac{220}{170}$

71 Irene Oil & Gas Co (P16)

7-20-51

Self Core Test #1 (White Co)

SE SE SE (~~291' ST, 802' ST~~) GL: 200' (est)

29-6N-5W TD-2097

Samples 250 to 2100

E-log Tops:

Midway Sh - 250 ±

Clayton (Arkadelphia) - 720 ±

Nacatoch - 925 ±


Penn 984
 200
 -784

1050? ±
 200
 -850

Note on E-log
 "Nacatoch is
 oldest K zone
 present. There is
 no Ozon or Ozon
 equivalent at
 K/Penn contact"


✓ Too close to Nol to plot

(72) Irene Oil & Gas Corp. 12-30-53
R. H. M. Self Est. TD: 1065
291' FSL, 882' FEL white Cr
29-6N-5W
Tops - (Sample) Wx (?) 205'

(73) James E. Blackmon 2-18-69
#1 Kent Pettit
(Card)
600' FNL, 620' FEL NENE (E-log 5 ass.
600' FSL & 620' FNL
NE NE)
6-6N-6W 
Log datum - KB: 219
GL: 215

ARK No. 1307


E-log suggest
Top Paleoa 540
219
- 321 ← check with samples

(74) Sun Ray Mid-Continent Oil Co 8-20-61
& Floyd W. Smith Co, Inc. white Cr
Nol Edward Morgan Hubach GL-213
217' NE 976' W of Cen KB-226
Sec II, 6N-6W  TD-652
E-log ^{744'} to 5750'

Cased to 744' -- probably in
upper part of Paleozoic sequence.

75 ✓ Irene Oil & Gas Co 8-16-51
 No 1 Nevils (white Co)

Ark No. 66

C SW NW NE  GL - 200 est
 14 - 6 N - 6 W Samples 648 - 1320


Top: Midway 150 TD - 1323
 Arkadelphia 445
 Nacatoch 490
 Paleozoics 660
 200
 -460

76 ✓ G.B. Butterfield 1-17-54
 #1 Smith white Co.

C SW NE  Elk - 200
 25 - 6 N - 6 W TD: 905

Rimcharts: A to Rn 525
200
-325 Typed card data must be in error
 Too shallow

77 ✓ Newman-Williams Drlg Co 9-26-57
 #2 E.B. Hassell white Co.

435' FNL, 425' FUL NE NW  Elk - P
 26 - 6 N - 6 W TD - 900'

No info.

78 ✓ #1 Hassell Elk - P
 NW NE NW 26 - 6 N - 6 W

Driller - Cap Rock 812 } Basal K^{PP}
 T/Sd 816 }

3-24-61

82 ✓ Bodcay O & G Corp (p26)



← Not the same

#) Bowen - Tacker

477' FNL, 1331' FWL SE $\frac{1}{2}$ 10-5N 3E Ele: 339 KB

(Also 716' FSL, 508' FWL SW NW, 333 Grd

Private Survey #2370) TD; 3530

2 $\frac{1}{2}$ mi NE / Forrest City

Top Paleozoics 3380 (Last Core & stuck @ TD

339 No logs run)

- 3041

Samples 220-3530

83 ✓ W. S. Tatum

2-9-41

Miller No 2

woodruff

SE SE Sec. 7-5N-2W

Ele - 215 G

E-log TD - 1748

Did not reach Paleozoics

84 ✓ Tatum & Watkins

12-12-40

Sol Nathan #)

Ele - 197

woodruff

NE NE NW Sec. 28-5N-2W

E-log 300-1783

Did not reach Paleozoics

85 ✓ Cockrell Corp #) WBClerketon

7-27-70

CNW NW NW - Sec 1-5N, 4W

woodruff

PI E-log Tops:

191 KB

Ele 185 Grd

K 959-1150

TD 1493

Basal sd 1198-1247

Paleo 1389 - to

1438 Major resistivity

191

191

- 1218

- 1247 ← This one look better

ARR No 478

⑧6 ✓ Cockrell Corp (Woodruff Co) 7-18-70
No 1 L.P. Nichols est. Ele: 1806
186 KB

CSESESE 15-5N4W TD-1476

PI E-log Tops

T/Cret 999-1185

Basal sd zone 1208-1286

Paleo 1394 to 1472

186
-1286 (Too near base of log to be certain)

⑩7 ✓ Cockrell Corp 8-20-70
No 1 A.P. Nichols Tr Prairie Co
Ele: 186' KB

330' F52, 2310' FWL

Sec 23, 5N-4W TD-1495

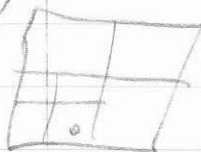
PI-E-log Tops

T/Cret 1244'

Basal sd zone 1452

Paleo 1494

186
-1308



⑩⑧ ✓ R.E. Smith - No 1 Sparks Est (Prairie Co) 9-1-52
CNE NENE (330' FNE/corner sec 21)

21-5N-5W DF-200

E-log top

TD-1370

K/paleo 1229

E-log to 1237

200

-1029

✓
(89) R E Smith - EA Stewart Lbr Co (Prairie) 8-25-52
C SE NE ^{E-log} 23-5N-7W DF-210

(NW SE SE on typed card) GI-205

E-log top on card ^{EEG} TD-1020

Palco 718 on 742 E-log to 1070

210
-532

In Lake
✓
(90) Sinclair - Rockefeller - Conway Co
C NW SE 8-5N-17W (igneous)
Bergstrom Butler Assoc Nil Sadler
SE SE NW 5-5N-17W (no igneous)

✓
(91) COCKRELL Corp. - Consolidated Gas Supply 7/26/71

#) Jack Carter et ux datum KB-229

2345' FNL, 2363' FEL GI-205

Sec 4 - 4N-1E  TD: 14,881

Scale change @ 2850 = near top of Palco

229
-2621 + -

✓
(92) Harvey J. WIER & SONS (P24) 2-5-48
No. 1 E P Lynn et al St Francis Etc - ?


C SE SE SE 7-1N-1E TD: 2788

No info - (Base of K near TD?)

Samples 1290-2720

ARK No. 5

✓ (93) Petroleum Products Co. 11-13-47
 #1 RR Tombaugh
 350' fr S/L, 500' fr E/L TD-200'
 7-4N-1W St Francis Co

✓ (94) R.S. Barnwell, Jr. Drilling Co 1/8/48
 No 1 RR Tombaugh (St. Francis)
 100' fr N/L, 1980' fr E/L DF-213'
 8-4N-1W St Francis Co
 "Tops by E-log" 
 TD ~~2205~~ ²⁶⁷¹

Midway 1500 E-log to 2671
 Arkadelphia 2114
 Nacatoch 2166
 Sarratoga 2450
 Paleozoics 2650
 215
 - 2435

✓ (95) Petroleum Products Corp (St Francis) 4-8-48
 #1 Engler Bros (P2A) DF-214
 C SE SE SE 17-4N-1W TD 2722
 Top of Nacatoch 2290
 Samples 260-2660 E-log to 2284

✓ (96) Gerson-Sands No 1 L.F. Porter 9-8-49
 C E 1/2 NE NE 20-4N-1W (St. Francis Co) TD: 2752
 E-log tops Midway 1536 Base Armona 2638 E-log 210
 Arkadelphia 2172 Tokio 2712
 Nacatoch sub 2254 Paleozoics 2726
 Annona 2526 210
 - 2506

Ark No 1272

Ark No. 24

Samples
 550-2750

(97) ✓ USO, I Co 12-13-40
 No. 1 J.T. Wellford Elo - 320
 SE SE Sec 29, TAN-RIW E-log to
~~TD~~ - 1740±
TD - 2838?
↑
Near Paleo top

Ark No. 699
 80-2838

(98) ✓ Jack Stack (wudruff) 11-30-76
 No. 1 L. C. Vincent Elo 275' TS
 380' FN 2 E 330' FEL SE NW Datum KB-188'
 Sec 17-4N-3W TD - 6750
Get samples
Top Paleo about 2130

Ark No 2022
 240-6600

(99) ✓ J.E. Stack, Jr (wudruff) 8-2-76
 No. 1 C.H.B. Land Co KB-185
 711'S, 330'E of NWC SW $\frac{1}{4}$ TD: 7613
 Sec 18, 4N, 3W Top Paleo 2125??
E-log to 5 + 58 $\frac{185}{1940??}$

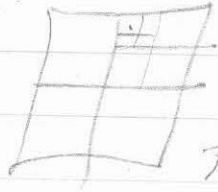
(100) J.A. Edwards } Prairie Co.
 #1 Wesson } E-log to 1650 but
 5-4N-4W } top of log info too
 dim. to read.
Elo - NA

Location Top of Paleo 1580±
185 (est)
- 1295

101 ✓ Cockrell Corp (P21) 12-7-70
 #1 Trinity Trust (Prairie Co)
 (4950' FNL, 2310' FNL & Sec 6)
 330' FNL, 330' FNL lot 6 NE $\frac{1}{4}$

ARK No. 1510
 1539

Sec 6 - 4N-4W 103' Gr
 E-log tops 189 KB
 T/R 1242 TD: 1539

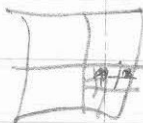


Basal sd zone 1440
 Paleo 1513
 189

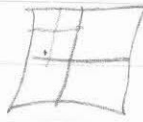
102 L.A. Edwards (Prairie) 8-2-60
~~2552~~
 No. 1 J. Skarda
 NE NW NW
 Sec 27, 4N-4W
 TD-1727
 E-log
 Top Paleol about 1700?
 NO



103 ✓ RE Smith (P22) 9-11-52
 No. 1 J. Sorenson (Prairie) Elog 215
 C N E N E S E
 18-4N-5W
 Top Paleozoics 1520 - looks OK
 215



104 ✓ Cockrell Corp - 1305
 #1 Mary W Mayer
 2310' FNL, 850' FNL
 Sec 11-4N-9W
 (Starts near Paleo top)



8-23-70
 KB-289
 GL-271
 TD: 6657

ARK No. 1517
 123-6590

9-27-56

105

Memphis Equipment Co.

No 1 W. S. Doris

Ele: est 450

SWNW NE 4-4N-11W

TD: 3910

Drid blk sh 20-3350, drll

little reddish sh 3350-63 (still

75% blk sh) dld black sh

3362 to TD 3910, unable to

make additional penetration. twisted

off - No E-log

Driller Blk sh (dtkn) 20'

Ignorance 3910'

ARR No 190
150-3914

106

Sohio Prod Co - No 26^{ann}

(Monroe Co)

E-log 10

28-3N-3W

= TD? - 3150

ser ca)
CSWSWSW
Sec 22

E-log faint & information

Ele-190 ±

Ele (est on E-log
170)

E-log 250 - 3150

LOCATION

E-log call ^R/Paleo

2645
190

-2455 = 2475

107

Reserve Oil Inc

(Prairie Co)

1-20-78

28-1 Hazen

TD: 16,491

1720 FSL, 1370 FWL SW/4

GL-220

KB-240

Sec 28-3N-5W

E-log 100 - 16,499

No Info



E-log Tip - ^{EEG} ^R/Paleo

2153 ±

190

-1913

(111) ✓ Lee
City of Mariana
Test Hole No 3
22-2N-3E

Lee County
KB-369
DF-367
GL-360

E-log 200-2040
Paleozoics

Did not reach

(112) ✓ Pan Am
#1 Besnick
1-2N-1E

7-11-63
217 KB
201 Gr

430' W of C SE $\frac{1}{4}$
Tops (E-log ^{Ringshorst})

MW 2190

ArK 2688

Nac 2730

B/An 3326

ToKio 3434

Pole 3500 or 3495

Clatt 4256

Pent Ch 4444

Ord (Xenia) 4802 in Ord @ TD

113 ✓
 #1 L.W. Robinson
 Sec 14, 2N, 1E

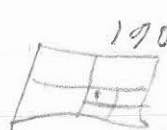
DF- 220
 F-log to 3000
 (Poor quality)

Did not reach Paleozoics

114 ✓
 #1 Harry E. Bunchrat & (Lee Co)
 Sec 36-2N-1E 49 1/2 NW, 500' Full SE 1/4

1-15-72

E-log ⁸⁸⁷ K/Paleo 3548 3687 214 DF
 214
 214
 Top of ss - 3334 Base of ss 3473



190' G'd
 TD: 14,855

115 ✓
 #1 Hart
 C NW 1/4
 Sec 4, 2N-1W

9-18-63
 Monroe County

190' DF
 TD: 6315

Rinehart
 Tops - F-log:
 Nac 2578
 B/An 3013
 Tokio 3070
 Paleo 3163
 Born 5920
 Chatt 6030
 Penters 6175

190
 2973
 see log = 2950
 - Good call

(120) ✓ Carter Oil
#13 Core Test

5-4-53
Prairie Co

63's & 42'E NW SW

19-2N-4W

No Info



TD: 2780

Well

(121) ✓ Amar Oil & Gas Corp.
^{May Moore}

5-28-72

#1 Alexander

(Lanore Co)
Elev: NA

360' FNL, 280' FEL NW NW TD: 1569

Sec 7-2N-7W

dot on NB 8' above GL
Elev @ 245'

P1 E-log tips many 740

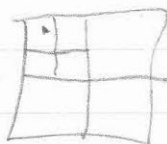
Nac 1250

100's OK

Paleo 1493

245

1248



(122) ✓ J.T. (Roy) Layton

#1 Roy Layton

ARK No 32 (28-793)

↓ Hole 1 Elev 295 TD 1276 | C-NE-SE-NW 17-2-7w

Hole 2 " TD 1286 | 100'S of CNESE NW 17-2-7w

↑ Hole 3 " TD 1409 | 50'S E of CNESE NW 17-2-7

Probably did not reach Paleozoics

123 Frank Silver 8-1-37
 Joseph Chambers Estate No 1 Lenoire Co
 NE NW 17-2N-7W E/c-

E-log 201 - 1620 TD - 1623

E-log marked "Top Paleozoics" @ 1462,
~~but~~ at top of "hard shale" that
 is resistive

"Quartzite" 1594 to TD

E-log Correlation with Amar - ^{Alexander} ~~Atoka~~ (No 12) shrd
 suggests "Quartzite" is top of paleo.


1594

250 (est)
 - 1344

Joseph Chambers Est No 2 (17-2N-7W)
 has only E-log 1400 - 1489

129 Ambassador Oil Corp 11-20-62
 #1 Montgomery Pulaski Co.

2296 FSL, 326' FEL 245 Grd

Sec. 21-2N-10W  260 KB

TD: 8008'

Tips: (sample) Paleo (Atoka) 643 633⁽²⁰⁾

260 260

- 383 -373
 E-log

Ark Well No 642
 230-8003

125 ✓ USGS Testwell
 9-1N-4E
 Near Marianna

9-15-69
 Lee Co.

Elev: _____
 I-Log - 80-2400

Did not reach Paleozoics

A-R No. 830
 0-2400'

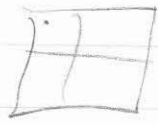
126 ✓ Curtis-West (P 24) 10-22-51
 No. 1 Day Prairie Co

900' F N/2, 340' Fr W/2
 Sec 1 - 1N-5W

Elev 210
 E-Log 160-2716

E-log Calls
 marked on log

Nac	2305
Paleo	2705
	<u>210</u>
	-2495



127 ✓ Victory Development Co.
 Clay ton #)

2-3-44
 Prairie Co
 DF-280
 ↑ Looks high

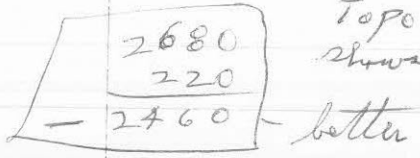
E-log correlation with Curtis West (#126)

37 - Renfro
~~-2752~~
 + 220

~~-2532~~
 17 1/2

Nac to ch -	2322
Paleozoics -	2680 ⁺
	<u>220</u>
	-2400

Probably barely reached Paleo
 Elev looks high
 Topo (7 1/2')



shows GR-220
 better

(128) Lloyd D Bowler

1-26-65
Pulaski Co.

#1 W. B. Tisgrig

285' FSL, 425' FWL NE NW

Sec 27-11N-11W (4 mi. E-SE/Little Rock)

"drld to 160' & stuck in Ele: est 273

pea-gravel, drld to 607', TD: 750'

cemented gravel bed 130'-60'

T/Syenite 607' (boulder?)

✓ Panhandle (1958)

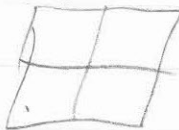
(129) (Hill & Wagner & Texas Crude Oil Co. - Re-enter ¹⁹⁶²)

No. 1 Ives

Prairie County

400' N & E of SW corner

22-15-4W



Ark No: 211
640-12,000

(130) ✓ Ambassador Oil Corp

9-23-62
Phillips Co

Thompson Unit)

2336.8' E & 1650' S of NW/C KB-183

Sec. 11-35-4E

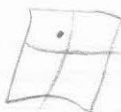
E-log pick

K/poles 4383

183

-4200

GL-167.3
300
E-log TD- 8818
Recovered fish
TD-9295



? TD

Ark No. 616
1730-9290

(63)

13-6N-7E ^{Sandersville} Crittenden Co
No. E-log - Samples to 3450

3200 - Lower K sd - much dark
red-br siderite - may be
From above - ostracodes
glauc; qtz grains -
tr yel ch (weathered
pebbles from above) 3350-60
shells; pyrite
3385-90 looks sl congl siderite

3405-10 Circulated -
much yel - gy ^{ford by} weathered
debris ~~shard~~ - may be
old surface debris

3410 - 3450 - Some sl weathered ch
end of sample which could be Palmyric.
TD. 3504 probably in Palmyric,
but sample to 3450 do
not clearly show Palmyric.
K/Fabr must be estimated
from adjacent holes.

Renfroe = $3500 \frac{K}{Plattin} = -328^{\circ}$

ARK No 78 = 40

3184 Davis - DeMange 22-8N-7E Crittenden

3100-80 Limy mic clay & glauc limy ss
Some c sd & gtz granu
red-br siderite

3180-90 Milky wh to lt gr
finely mottled to figured (in part)
Chert - weathered; yellowish in part

3190-200 Similar - many tiny veinlets
of silica

3200-10 Chert, milky wh to
lt-gr, weathered yellowish
in part; drusy appearance
sd sl raggy (limy pockets)
in part; silver veinlets

3210-330 Similar but more lt-gr
& less "weathered";
Still "figured" & traces of
old casts; some white
inclusions - part may be spicules
some reddish & gr (claystone)

3310-50 Note: representative interval. Could be chert, but not typical

3350-80 Chert, milky-wh to sl yellowish - chert,
but figured than above - no veinlets
in part dense to semi-dense; some
limestone in or rising det attached to chert

18 DeMangee dol, tabular ch with
3380-90 imp. similar - some inlets, some
mottling

3390-3420 ch^{ls} wh to lt-gy, ds sl. figured
looks like wh. xlls, Calcite & ls mixed

3420-3520 ch^{ls} as above & med. lt-gy f. rhomb
dolomite, ~~Calcite~~ ~~chert~~ are

closely mixed and both are in a
single chry. looks like a
mixture of partially
recrystallized ls & dol

3520-40 No sample

3540-3600 ~~Dol~~^{ls}, yellowish lt-gy, ~~f. rhomb~~^{dolite},
f. gran to f. rhombic; strong
emb. reaction in acid, later
slow reaction; some ds wh
Calcite - - unit ^{is} may be 50% +
Calcite - Res white sil silk
aggregates may be what shows
late reaction

3600-4900 Not examined
Bottom part

4900-5010 Ls, med-gy, ds to f. gran;
dol rhombs; some wh xlls
Calcite; Residue. Sil Silk aggr

TD-5010 Sample

A-79 = 37

Crittenden

Dobbs & Bond

16-8N-8E

2320-50 med-gr. claystone

2300-30 ss, (fine) glauc, f-gr

2530-60 " " "

2560-90 " " "

2770-280 ss f-gr, glauc, f-gr

3090-70 Some ss, mostly
claystone

3190-3200 Mostly silty claystone

3290-30 " " "

3250-10 " " "

some chert pebbles to granules

3260-70 Similar - some chert
granules and ^{small} pebbles

3270-80 First Ord? ls - may be

R 3275[±] trace of lt gr ch; if

Palor & probably residuum;
ls is very siliceous

3280-90 Ls, sand-gr dolite, v siliceous

A-79-37

Dubbs - Bond (Crittenden)

~~3300-70~~

3200-3300

Lg, med-gy, ^{dkie} f-gran
brack?; sil silt res

3300-3380

TD Samples

Lg, med-gy, ds tr
f-gran; res lt-br
flakes (clay?)

ARK No 237 Hawkins - O'Neal (Crittenden)
 (38) 22-9N-7E

3120-30 K- Claystone - med-gr -
 3130-40 K- mic^{plate} f-gr ss med-gr claystone
 3140-3210 Similar - 1 siderite
 3220 - 3220 Similar but trace of milky

K/pales = 3120
 Samples + E-log - correlation with DeMange E-log = $\frac{3177}{-225} = -2952$

3220-50 Chert, milky white, dense;
 some white inclusions and
 some porosity (= weathered owl
 dolomite?). Color suggests
 little or no weathering at surface
 Some tiny veins = silica filled = drusey

~~3250-60 K clay - not representative~~

~~3260-70~~

3250-60 Duplicate samples OK
 Ch, wh, ds; sl drusey;
 finely doloclastic in part

3240 - 3280 Ch, clear, milky-white, dense;
 trace of drusey surfaces

3280 - 3300 Similar but granular rather
 than dense in part

No carbonate

ARK 237

Hawkins - O'Neal

(C. M. Hendon)

(38)

3300 - 40 Ch as above, but some med H-gg, ^{to med-gg} 300 carbons & sl granular to drusy, in part - inclusions in a few pieces - specimens

3340 - 3360 Poor Samples Ch, white, granular, soft looks like decalcified silica residue - no reaction

3360 - W Ch, white to med-gg, granular, some is hard, some soft like residue

3370-3380 Ch, mottled dull H-gg & Last Sample med-gg, granular, very pyritic - small cubes in most pieces. Sample contains dull red-br iron - oxide ^{pyrite} (60% of sample) source unknown; strike ~~is~~ on log at 3375 marked "fault".

TD E-log 3475, but no samples from lower 100'.

Ark 1795 Jack Stack Jr (Crittendon Cr)
(=39) #1 O'Neal - 22 - 8N-7E

Samples 660-3690

- 3380-3400 K sh + ss
3400-3410 Same
3410-3420 No samples
3420-3430
K/ord = ³⁴²⁸ ~~3428~~ + Ls, med-lt-gy to
(Samplest + log) med-gy, sl dolie to dolie
f-gran, ^{to f-xlls} pyrite, to f-lan sl
3430-3440 No sample
3440-60 Ls, med-gy, f-gran to
f-xlls - to med xlls;
sl dolie to v dolie;
a few pieces contain f-xlls
3460-80 Dol, med ^{dk} gy, ^{sl} f-gran to
v f-rhombic; & med gy
f-gran sl dolie ls
3480-3500 Ls, med dk-gy, f-gran;
sl clayey; v sl dolie
3501-3520 Similar sl more dolie
3520-3540 Dol, med dk-gy, limy,
f-gran to v f-rhombic
residue of siliceous aggregates



#1795 Stack - O'Neal (cont) (Crittenden)
=39

3540 - 3600 Ls, med dk-gy, st dolitic, silty f-gran; red ^(heavy) sh-br siliceous silt aggregate

3600 - 20 Ls ss shv; to dense blk chert.

3620 - 40 Ls, ~~st~~ st olive-gy to med-gy, ~~st~~ st dolitic f-gran; 20% f-dolitic; to med-gy da ch; silt res.

TD: 3678

Ark-304
(=50)
3458'

Williams Franklin #1 Leach
5-7N-7E (Crittenden)

3435 - K glassed & clay; sediments

3440 - Similar

3450 - Similar - No evidence
last sample of Paleozoic seen in
samples

ArK-640 General Crude Oil (Crittenden Co)
(=4%) #1 Carruth 5-7N-8E

3300-30 Sd, f to vc gr
some K-sh

3330-3360 Ls, lt olive-gy to
med-gy, f-gran; dolie

$K/ord = 3340 \pm$
 $F-109 (3343)$

3360-90 Similar, to lt brgy
ds chert s/d dolie

3390-3420 Ls, med-gy, f-gran;
alt lt-br ch; residual
lt br sil silt agy

3420-50 Similar - more chert

3450-3540 Ls, olive-gy, f-gran
dolie, silty; lt-br to
med br trunc ch in
30' sample; f to sand
3650? sd in a few pieces

3540-3660 Ls, olive-gy to med-gy
Last samples s/d dolie, silty, f-gran;
Res sil silt agy;
mottled to sub-pelletal in part
TD 3634

732 O.C. Bridge 13-21N-8E
80-900 (Clay)
960-70 K; F to VC glauc sd,
920-80 Mostly fine drilling;
Bottom samples No Paleozoic seen

733 Canadian American, Linthur
22-19N-7E 71-900
Mostly pieces of core
885 V foss K ls 1" core
889'6" Mudballs - K sd & clay
894 Cuttings - chrysolite & glauc sd
895 - 3/4" of core - K
Foss pellets lining
SS; small br "pellets"
= 30% of rock
Last sample - no fossils

~~734~~ 734 Canadian-American, ^{Dowie} Davie Eldr
9-20N-8E
1174-1196 Poor samples - mostly
Oal shung = K glauc sd
1197 Tr Non-glauc dolom = ^{very low} low reaction
Lack samples F-mel gr SS = Paleozoic

Ark

150

Adams - Fee

23-16N-6E

(12)

(Greene Co)

1805-10 R - f to c sd

1810-1830 Similar

1830-40 R - f - c sd - to small
pebbles - fine

1840-50 Thin, f - med - gr ss,

R/ 1850
old log sample
glaucous - No ls seen1850-55 Ls, lt olive-gy, f. green,
No dot, only light vesicles1870-75 Similar 15 reddish-brown
in part, v little res except
clay1895-1900 Ls, med-gy, f. green,
clayey

1900-05 Ls, med-gy, f. green

~~1925-30~~ little res1905-15 Ls, olive-gy, f. green to dr,
mostly clear, but silty in part1915-30 ss, med lt gy, dolomitic,
f to med gr - to c grs1930-40 Dot, lt br gy to med lt gy,
f - shaly; scattered f to med sd

(12)

ARR 250 (cont)

A Holmes - Fee (Greene)

- 1940 - 60 Ls, ^{dull} med-gy, ^{sl. dr. h.c.} f. green
Bas clay + sil salt agg
Early reaction vigorous -
later reaction very slow
- 1960 - 70 Ls, br-gy, mottled;
f-green to yellow;
scattered f to med sd;
silty, rounded
- 1970 - 80 Ls, med-gy, ^{sl. dr. h.c.} silty
f-green; leaves red-br
silt res
- 1980 - 85 Ls, red-br, ^{to med-gy} silty to
clayey, f-green, ^{red-br with} to clay res
- 1985 - 90 Ls, olive-gy to med-gy
f-green
- 1990 - 95 No sample
- 1995 - 2008 Ls as above, olive-gy;
Lwas sample med-gy, & some red-br
Dirty sample in last part.
^{sample}
TD - 2008

ARK-716 - (Fulton County)
D A Mc Viers 7-21N-7W

- 70 weathered yellow & cherty
earthy dol
- 80 F-rhombic dol - dirty
- 90
- 100 Yel-br F-rhombic dol, 20% white ch, some pitted ch.
- 110
- 120 Cream F-rhombic dol
- 130 Similar; 10% smoky wh & f. silty ch
- 140 Cream dol (F-rhombic) & fine f to sand sl
- 150 - Yel-gr f-rhombic dol & f to sand sl
some c grs = 15% sd
- 160 Cream F-rhombic dol, much white ch
to f to sand sl
- 170 Similar - lt br oolite in white ch
- 180 Similar - oolite well developed
- 190 Cream F-rhombic dol; 10% white ch
- 200 Similar - 20% ch, some
lt-br
Sample TD - 200'

Ark-913

C.B. Franz, Ark Poultry (Fulton)
7-21N-5W

105-10

Cr 1 f rhombic dol, 30%
wh + lt-gy ds ch

175-80

Mostly milky, wh chert - grades
into clear f-rd gr sdy ch.

190-195

Orthoquartzite - r f to f-gr

195-200

Some f-rhombic dol + sdy ch
f to sand sd in dr chert,

200 = Sample TD

ArK-65

Trene - Self

white Co

(71)

2-9-6 N-SW

~~7050~~

900-920 K sd + clay

920-930 Much same

930-940 Glauc R sd -

Trace dark mic
sh = Paler

940-50 Glauc R - sd -

no Paler seen

950-60

Mostly K - partake

no Paler

960-70

K

970-80

K

980-90

it - some of 3 grains

990-1000

Much dk - gy

K/
Paler = ~~975~~ silty v mic sh
Elog = 984 = Paler

1000-10

similar

TD-2100

is DK-gy silty

mic sh

Ark No 10
(70)

Parks - Walker
28-6N-5W

~~975~~ 930-960 K - cherty
960-65 Paler sh - dk-gy
mic silty

Ark 11 Sheldon Center White Co
(79) 31-6N-7W

245-96 - K sd & cherty
246-254 - Paler sh - dk-gy
K/Paler 250⁺ - lt-gy silty
white clay? inclusions
V f to f gr
257-60 ss, med lt-gy, silty
f - med gr - No lime
1690 - med-gy rt-gr silty
1790 ss + dk-gy c-gr
mic silty
1790 Sample TD

Ark 1 Parks - Gregg White Co

(68)

4-6N 5 W

727-37 - K shale

737-44 - Some f. gr sil
sa = Paler

K/
Paler 740 (E-log) = OK

421

Ark 104
(58)

Tom Boston - Williams

24-7N 6 W White Co

410-15 K

415-20 DK - gy mic
~~clay~~ silty sh

K/
Paler = 417
samples
= Paler

420-25 Swamp

Ar 15-138 Walters - Johnson Craighead Cr.

(19) 10-13N-1E

815-20 K sh + heavy ss

820-65 Similar

950-55 K sh + claystone

955-65 Similar

990± Core chips

K/Ord = (965-990) no further evidence
Dolomite, olive-grey, mottled
f-rhombic; scattered f to med sh

1250-55 Limestone olive-grey
V dolite or f grey, some
med-grey f-rhombic dol

1260 }
+ } Similar - to f to med sh
1265 } in dol

TD - Sample 1265

Ark No 42

Roman Pot

Cross Cr

#1 Powssett Lbr

35-9N-4E

2815-20

Red & claystone

2820-70

Similar

R/-2872±
Ord

2870-73

Ls, olive-gy &
med-gy, f-gran;
H-br sil silt aggregate Rec

2898-2903

Ls as above & some
med-gy rf-rhombic lusing dol

3500-3505

Ls, med-gy, of gran;

Base of sample

Res; red-br clay -
color the acid.

Ark No 2080

Cross Cr

(28)_c

Hughes-Thompson

29-9N-5E

Difficult samples because ^{they are fine} _{and} most of each is from about a few ~~of~~ tiny pieces of Paleozoic limestone in each sample below 3420 - - none seen above;

$\frac{K}{\text{Palor}} = \frac{3420}{207} +$ ← could be in error by quite a bit.

Ark 1510
(107)

Pratt Cr
Cockrell # Trinity Trust
6-4N-4W

1470-1500 K sd + claystone
1500-1521 Similar - no Paleozoic seen
1521-1539 Siltstone, med-dk-gy,
(last sample) siliceous, f-gruce
(Most of sample is siltstone)

$\frac{K}{\text{Piper}} = 1513$ (E Log) probably OK. Samples suggest about 1520.

ARK No 74 Smith-Sutton Prairie Cr
(103) 18-4N-5W

1500-20 K. chert + SS

1520-30 No samples

1530-90 DK-gy silty v mic
sh.

1570-1500 Similar

$\frac{K}{\text{Paleo}} = 1520$ as called on E-log

ARK NO 19 Prairie Cr
(109) Martin-Sutton (Poor Samples)
3-3N-5W
2620- Sh, dk-gy silty,
f-mic

TD - 3130 - samples with
shump - probably in
Palaeozoic dk-gy sh.

Ark 142 Transcon Prairie

36-2N-6W or cable tool

Large pieces (core chips) but
footage irregular, ^{in some} duplicated, and
overlapped -

2185-96 K - claystone core

2232 K

2254-55 K

2260-65 K

2260-68 K

2269-72 K

2273 K - Oysters in claystone

2273-80 No sample

K/aker 2275 ±

2280-2290 Sh, dk-gr, silty,
firm -

Black shale in all lower samples
examined.

TD 3407?

Ark No 134
(126)

Curtis West - Day Prairie
1-1N-5W

2695-2700 R
2700-2705 Black to dk-gray
Silty f-sand sh

$R/Paler = 2703 \pm$
Samples

Ark No 5
(92)

Weir - P & L
7-4N-1E

St Francis

No Paler seen 2690-2720

TD of samples

Ark No 1272
(95)

No Palerics found
in lower samples

2585 TD Samples

Ark. No 34

Sands - Porter

St Francis

17-4N-1W

2676-81

Core # 3

K - claystone

2700 - 10

K sd (washed residue)

2720 - 30

DK - gy clayey, mic
siltstone

2730 - 40

Similar

$K/P_{abr} = 2725 \pm$
Samples

Ark No 473

Warren - Malkin

St Francis

21-6N-6E

$K/P_{abr} = 3480 \pm 3500$ on samples = 3480 on E-log

3470 - 80

K - much lignite

3480 - 90

Some dk - gy mic
silty sh

3490 - 3500

Great deal of tan f to dk - gy
chert that looks drilled. Strangest
sample

3500 - 10

DK - gy s (silty fine
ls. (just a trace)

3510 - 20

Much ls

Ark No 478 Boden-Tucker St Francis
(82) 10-5N-3E

3365-70 K

3370-80 K - A grain deal of
chert (several knolls)

3380-90 - Probably not representative
No ls - quite lot of white earth, chert

3390-3400 ls, med-gy,
silty (Most of sample)
Lenses clayey, silty red &
last section is slow

K/paleo - 3380 as reported

Ark No 699 US Oil Corp #/wellford St Francis
(~~95~~) (97) 29-4N-1W

No samples in envelopes

Ark No 485 Lenoire

Geochimical - Cobb

18-15-9W

113-310 Does not look like Paleozoic

310 - Dk br gy silty mic
shale - medium soft -
may be Paleozoic

ARK # 316
(65)

Manning Martin, Inc
#1 Park - Gieseck

4-6N-5E

- 3200-10 Claystone, ^{med-gy to} med-lt-gy, f-mic
- 3210-20 Similar - very clean samples
(sand washed out??)
- 3220-30 Similar; tr lt-gy, sl glauc c-sdy
ls; some med to xls of calcite
in ls - probably slump.
- 3230-40 Claystone, med-gy, f-mic; to lt-gy
^{limy} glauc f-gr ss (slump?)
(Fines ^{sd} may have been washed out??)
- 3240-45 Claystone as above, 85% of sample
5% mostly free m to c gtz sd;
trace of shell (oyster?) in
limy sdy matrix. ^{several pieces wh sl glauc wh granular ls}
- 10% Chert, milky-white dense
to sl drusy; ^{thin fracture-fills in many pieces}
- 3245-50 As above but less chert &
more glauc ss. ^{Chert appears to be finely doleritic or doloclastic}
- 3250-55 As above but only one
piece of dense chert
- 3255-58 Mostly claystone (slump)
& tr glauc ss; a few pieces
of white chert.

(27)

3259-64 Similar - mostly slump
Ch pieces = angular but stained-gr
to gy on some faces
= weathered breccia? quite a lot of sand - from Alluvium?
Iron (magnetic) shivers suggest chert
at drill depth; several pieces of chert.

MM-Park-Giesack (cont)

3264-69 Nearly all of sample is free f-vc sd & med-gg claystone; Trace of chert, but largely limy f-gran to earthy ^{porous} silica; little if any conchoidal fracturing ch.

3269-74 Glauconitic sand; claystone; and mud -- entirely K -- may be out of place.

3274-77 NS

3277-3282 Still mostly clay stone, some free sand;

Several pieces of "chert" -- mostly granular; one thin vein filling = X 1/2 material,

3282-87 60% claystone as above
40% lt-gg to milky wh granular silica -- medium-soft -- appears decalcified = white dirtrock; some dense white chert, but only a few pieces with conchoidal fracture

3288-93 Similar

M+M - Park-Giesec

3293-98

5% ch as above; some dense,
some granular

3298-3303 Dol, brownish-gray,
limy, f-rhombic; probably
dol rhombs in calcite matrix -
breaks into tiny rhombs in
acid

3304-3309 Limy dol as above &
ls, br-gray sl dol, peltal,
foss?, ds to f-gran.

3720-25 } Both samples contain
3725-30 } quite a lot of igneous rock
in dolomit.

(31-175-20W)

Ethyl Corp 2

comp 4-3-78

Errin - Harris

Kerlin Fld 32-175-20W, 660FNL 660FEL

Columbia County of NE SE

Prod Zone (Pet "A") perf 4649-4657

20 BOPD, gty 30 deg

Tops (F-log) Tokio 3008

MA 3586-3754

James Inn 430

Hogg 4550

Sligo 4599

Pet "A" 4648

Pet "B" 4670

TP 4742

1383 Atlantic #B1 Garrett 29-175-20W

3500-7509