

144

6 mm spent to retire debt & open  
Budget for 1 yr + \$1mm add budget.

6 or 7 investment banks.

55% for 16 or more  
Board Positions

60K sq' Manufact  
Rocky Mt. N.

Aqua Pura

Popoff  
800

water soluble

6-7

100mg dose

eqv to 3 aspirin

303

791

7483

10mm stated for Adv. over 2 yrs etc

Capability to man 30mm worth Annually

Health Corporation

Steven Holmquist Patent Attorney

has it got a compressor at & if so  
 Charge it with Nitrogen  
 (Hydril)

① 1214.67  
 31.18

1245.85 (Kelly Down 10:05)

5.00  
 1240.85

Sample #1: Lt. grey siltstone, Lt grey sandstone, <sup>dark</sup> shale grey, coal,  
 1240' Lt grey shale, cement chips.

Incl 19.3 Az 47.4 ST 34L

Sample #2: 1245.85  
 (1:25 PM) + 14.40  
 1260.25

Lt grey sandstone - good porosity, Bl. shale  
 Lt grey siltstone 2%, sandy siltstone

Sample #3: 1273.69  
 (12:45 AM)

Lt grey to med grey siltstone, Lt grey sandstone  
 Black shale, yellow sandy siltstone,  
 few cement chips

Sample #4: 1273.69  
 (2:30 AM) + 15.80  
 1289.49

Lt grey sandstone, white unconsolidated sandst.  
 1 piece pyrite, 1 piece clear rounded quartz, thin sandst.  
 Lt to med grey shale - some siltstone, chips of  
~~consolidated limestone~~

Sample #5: 1273.69  
 (4:00 AM) + 31.63  
 1305.32

Blk. shale, Lt gr. shale, Lt gr. sandstone  
 some good pores + some v. fine, Lt. grey siltstone  
 Few cement chips.

red	L	A <sub>2</sub>
1296	26.7	45.1

1388  
1155  
233 560

Sample #6 +  $\frac{1305.32}{15.07}$   
AM) 1320.49

TV of 1286

Monday May 18<sup>th</sup>

- ① White sandstone (unconsolidated), light gray sandstone, Black shale, gray shale, gray to green siltstone, (Scales - Transverse) on top of gray shale. A few limestone chips  $\approx 1324'$
- ② 1330' Same except more white sandstone
- ③ 1336' Same
- ④ 1345' Dark gray to Black shale, light gray siltstone, a few LS chips
- ⑤ 1352' Very fine gray silty sandstone, light greenish gray siltstone, piece of LS. Light pinkish brown with gray (sandstone)
- ⑥ 1385' Dk gray + BR shale
- ⑦ 1390' Same T
- ⑧ 1400' Few LS chips, BR shale, light gray siltstone, small white sandstone

9 [1410'] Black shale, lite gray sandy shale

10 (1415') BR Grey shale, hard white sandstone, pink gray sandy shale

11 [1420'] lite gray sandstone to sandy shale, BR shale, white N. con sandstone, BR shale, gray sandstone layered.

12 [1428'] BR shale, some wh sandstone Noncon, lite gray soft sandstone, white qtz chip.

13 [1433'] Same 11

14 [1438'] BR shale, coal, lite green siltstone, gray sandy shale some lite gray soft sandstone,

15 [1443'] Pyrite, BR shale, lite green siltstone, white sandstone, lite gray sand shale/sandstone, coal

16 [1448'] Iron Oxide scale on BR shale, lite gray soft sandstone, lite green siltstone, white sandstone (well rounded grains) pink siltstone, some hard white sandstone

(17) 1453' Same ↑

(18) 1459' Lt green & Lt gray siltstone = Lt gm gray sandstone (soft) white  
to white gray rounded sandstone (small) & fine siltstone

(19) 1469

(20) 1474 Black shale - Coal - streaked Black shale & Lt gray sandy shale

~~(20 1/2) (1479) Same ↑ except gray siltstone & sandy gr shale also~~

(21) 1491 Black shale: Lt green & Gray siltstone, Lt gray soft sandstone.

(22) 1495' Black shale - Gray siltstone, th. rounded sandstone (brown)  
Tight sandstone chips @ bottom

(23) 1500' narrow white sand layer with gray sandstone stone on 2 sides  
coal, { Lt gray siltstone } Lt soft gray sandstone. white rounded S.S.  
" fine gray "

(24) 1505' Same ↑

Wagner 9-H

435 McGowan Dist. King

1470'  
1480'

gr. to grn siltstone, Pyrite, Lt gr to black shale - Few weathered LS chips  
coal chips - unconformable sand w/ gr. qtz.

1480-90'

SP

★

1490-1500'

1500-1510'

Lt grn siltstone (good % oil) grey shale, black sandy shale; M% SS @ oil show  
heavy oil, Tar like, clear qtz. Clean M% SS. Tite org. SS + white SS

1510-1520'

Lt grn to grey shale - BR shale Lt. pink siltstone (sand) Tite M% SS,  
Small amt M% SS with little oil show. Beige qtz (Fossiliferous) Org. SS Tite  
small amount,

1520-1530'

↑ Better oil sh.

1530-40'

M% @ shale Lt green to lt grey, good oil show but some amt of ss  
Tite wh SS @ oil sh. some amt dr grey to br shale

1540-50'

M% SS / oil sh Lt dr grey shale, white to beige Tite SS, some  
heavy gobs of oil / Pyrite

1550-60'

lt. gr. sandy shale @ 1550', fair amt of Pyrite, lt. gr. white non  
consolidated SS, clear gr. / smant rose to org. gr. lt. purple SS  
very fine / smant MCL SS @ oil show.

1560-1570'

gray SS, lt. green siltstone, smant M<sup>c</sup>SS @ oil, lt. blk. gray  
shale, pyrite,

1570-1580'

Clear to top of gr. gr., lt. green siltstone, pyrite, lt. gray  
sandy shale. lt. purple gr. sand with blue, M<sup>c</sup>SS - mostly  
unconsolidated sand the well showed.

1580-1590'

✓  
②5 1510' Same with more black oil globes.

②6 1525' White, gray & Green Siltstone, Beige to Yellow SS rolled, rounded & flat layers, Reddish colored sandy shale pills. Black Shale; Soft gray sand; Oil globes, small coal chunks.

②7 1530' Lt. Green Siltstone: White Sandstone: BP Shale - Some coal hard SS Brown stain on tide, large % Siltstone & \*

28 1535' Black & Gray Shale, Gray sandy Shale, (clump) parcel of white sandstone - gray silt.

7:00 PM Tue: Shut down to pull string & check drift  
w/ ~~10:00~~ 8:45 Out of hole @ 8:45, still need to break tools down.

Breakdown of tool for sperry run, (not lit.)  
10:15 PM Conference Matt, Don, Jim, Jon (Tele), Larry  
Tried unsuccessfully to break tool (18' x 4") down to readjust till 1:45 AM

2:00 AM Eddie & Dale to house

2:45 Matt & Larry Conference. Matt called for Hot shot to pick up tool tonight to go back to Ok. City.

~~Wednesday~~  
6:30 AM: Loaded Hot Shot for Ok. City.  
7:02 Breakfast - everybody

26.00

25.00

~~May 28<sup>th</sup>~~  
Wednesday

8-8:30

Torrey, Marvin, Matt to Martin Catepillar in Torrey  
Couldn't back & I took down. Couldn't find shop to work

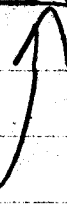
21<sup>st</sup> Thursday Samples 21<sup>st</sup>

① 1545': Black-Dark Gray Shale, Lt gray siltstone, Brown sandstone  
cemented small layers, some white sandstone, Coal chips  
BROD Glob (heavy) Sandstone conglomerate - Pyrite - Fine  
lt gray <sup>(silt)</sup> sandstone.

② 1555 some Vite gray Siltstone - silt - Coal - BR Shale -  
Reddish siltstone sandstone ~~some~~ Sandy clay like red sh. thin gray shale  
~ 17' East of 151' N + 152 E <sup>Soft Fine gray sandstone</sup>

③ 1560 Lt gr. siltstone hard whitish gray sandstone, Red stained Fine  
sandstone. ~~Red stained~~

④ 1565

Same 

⑤ 1570' Soft gray sandstone, BR Shale, Lt gray siltstone reddish stained Sand  
clay ~~shales~~ shales - fine white sandstone inside: Vite white sandstone  
shales. Minerals ~~by~~ A.U.

⑥

1580' Soft tute white ss with orange stain (chunks) BR Shale - Some coal.  
lite gray siltstone, BR fine sand layer with sh. some grass show

1590' some coal chunks, lite Gray Sandy shale, few thick heavy bk oil globes.  
{ Thin flat sand cong layer on BR Shale, soft grey sand ss.  
(w) Pyrite unbedded in it,

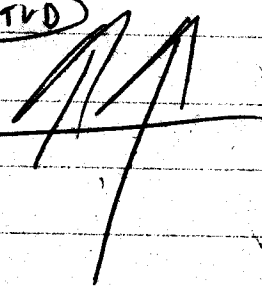
Tangent

① 1600' : gray shale, <sup>Dr.</sup> Gray Siltstone Heavy oil in sand MCL. SS  
lite gray siltstone: tute white SS. 2 pieces (clump) MCL. SS @ oil show.

② 1610' Same ↑ plus more MCL SS. with oil shows.  
5301M 1 piece metal shavings from Bit.  
Elongated strips of shale & siltstone.

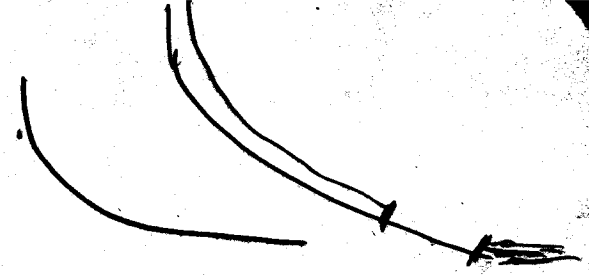
③ 1620 BR Shale ↑ @ base MCL almost no MCL SS.

1015 1517 TVD



④

⑤



- ①  
1632' : Mostly M/L SS, some L. grey shale & <sup>M</sup> siltstone, Oil Show
- 1680' : M/L SS, Sm amt DR Gray Shale - L.g. Shale - WS. siltstone oil
- 1686' : Lg. chunk (containing 3") M/L Sandstone Metal pieces chunks shavings  
med Gray shale, oil
- 1670' : M/L SS - Med Gray Shale - ~~oil~~ oil White siltstone
- 1665' : M/L Sand S., Gray shale oil w/ siltstone
- 1660' : same

1686' Sample #2 Start up sample 2:00 AM : M/L Sandstone  
oil show, thin hard scale type shale. Iron oxide stains throughout

- 1691 M/L SS - [Thin Copper + Cu O's] shale, grey white, oil show, slight  
Rubber plug (Fiber seal - Power sev.)?
- 1696 M/L SS - G. Shale - Pyrite - Very slight oil show

1700 M/L SS - More Gr Shale - Pyrite some Oil Show - Cu shows

1705 <sup>1</sup> Thin hard scale like shale w/ FeO<sub>2</sub> stains  
100 Low

1710'

11 1750 + 1790

1720 Same - Bottom ↑

1725 ↑

1730 ↑ Heavy oil globes.

1735 ↑ More heavy oil globes. Trace of free oil  
6:15 AM

1735-40 Same ↑ (a little better looking sand)  
6:30 AM Kelly Lawe

6:48 Start drilling again.

7:15 Same →

7:55 Same as above plus 10% SS chunks (small) @ gas & oil.

1745.8 → Survey 94.5° @ 1788 TD  
1770° good oil show: Good M<sup>o</sup>LS, Pyrite, ~~Py~~, CU<sub>2</sub>, S<sub>2</sub>S white.  
Bottom of good zone  
1522' TVD

1788 Good oil show Same ↑

1790: Slight Oil Show - (and same)

\* 1800' - Same

1805

1810 ✓

1815 ✓

1820

1825 }  
11:50 AM }

1830

1835  
12:14 PM

1840  
12:34 PM

1845  
12:45 PM

1850<sup>?</sup>  
1:00 PM

No Show: MCL SS,

1881 Good McP. Sand. Fair oil show -  
2:15 PM

1890

1895

1900

1905  
~~2:45 PM~~

1910' M<sup>c</sup>Don't SS @ good oil show; Small amt of grey shale & siltstone  
2,500 ft

1910' Circulated bottoms up

1915' 1/2 Good Oil Show

1920' good clean M<sup>c</sup>L Sand with Fair Oil Show

1925' Same ↑

1930' Same with slight increase in Oil show

1935'

1940'

1945'

1950

1955

1960 1/2 Good Sand @ a little less oil in sample but still

-294

good

1427' TVD

#200  
578  
-----  
822

1965' Excellent Oil Saturated M<sup>g</sup> & SS.

60  
4/10  
24  
19.422

1970' 16d ↑

{ 1975' Good show but less than ↑

1494 TID  
19

22.41'

4:47 PM

1975 Core

4:55

Same ↑

1980 Same ↑  
5:06 PM

1985' ↑

1990' Same but less Oil

D

1995'

2000' Fair Oil Show

2005' Fair Oil Show

1260  
- 623  
-----  
637

2010' Fair Oil Show Clean M/L Sandstone

2015' Same ↑

2020 ↑

2025 ↑

2030 ↑ But little oil show

2037 M/L SS Clean & expelled oil structure

2040' ↑ Very good Oil Show

2050'

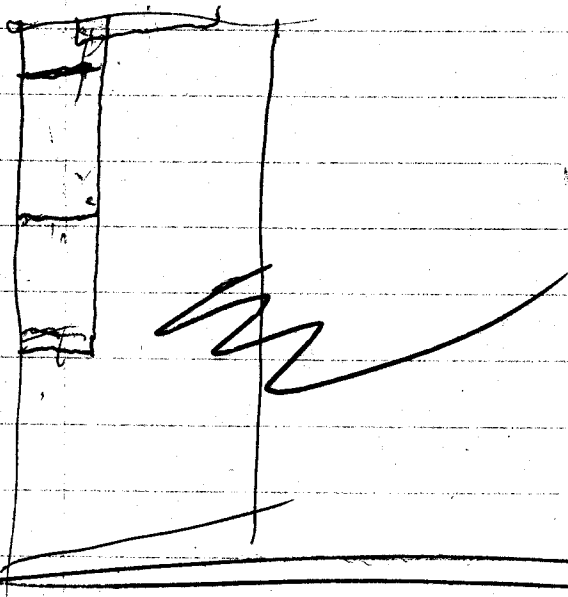
~~2055~~

2060'

2065' Same ↓

2070' Clean M/L Sand Oil show at Brown & variegated

2075' Clean Sand Fair Oil show at Big little pieces. ↑



2080' Light Oil show - Clean ML S.S.

2085' Same  
↑

2090' Gd Oil show, Sand grains coated w/ oil

2095' Fair + Oil show - Clean Sand small % siltstone  
920 PM

2100': Good Free Br. Oil Clean Sand - wh. siltstone chips, Med Gray  
slab chips.

2105' Some less oil than above  
~~1005~~ 1005 PM

2110: Oil show - good presence - free oil not as much as  
10:15 PM previous sample but otherwise the same

2115: Oil show - fair to poor - Lt. Br. Oil - Pyrite chips -  
Gray shale chips

2120: } Oil show + good presence - Pyrite + Copper Flakes shale +  
10:40 PM } siltstone chips. Clean Sand. ~~the~~

2125 Light Oil show - Clean M<sup>c</sup>L. Sub some bit shale + siltstone  
10:45 PM pyrite chips. Some gas show.

2130

2135 No oil show - Clean M<sup>c</sup>L. SS. with some ~~shale~~  
SS.

2140

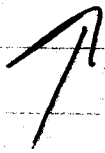
2145: M<sup>c</sup>L Sandstone - No oil - Clean Sand with some ant.  
med Gray shale + siltstone.

2150:  $\uparrow$  some a few pieces, Dead oil + live oil.

2155' Slight oil - Clean M&L S with Melgray  
shale & siltstone

2160' No Oil Show - Same as

2165



2170



2175



2180



2185 M&L Sand No Oil show

2190 M&L Sand " " "

2195 Slight oil show; M&L Sand Clean

2200'

2205' Same ✓

2210' Good Clean M<sup>c</sup>L Sand - No Oil Show.

~~2215'~~ " " " " - With Oil show

~~2220'~~ ↑ same

~~2225'~~ ↑ "

~~2230'~~ ↑ "

~~2235'~~ Same with Oil show

~~2240'~~ ↑ better oil show.

~~2250'~~ ↑ better oil show

55' Clean M<sup>c</sup>L SS with a few white pieces Siltstone Oil Show

60' Clean M<sup>c</sup>L Sand

65'

Sat, May 23

Started Pulling out @ 9:45 PM

Started back in hole @ 12:30 & down @ 1:45 AM  
Sunday (May 24)

FAR / 15/16

~~INDEX~~

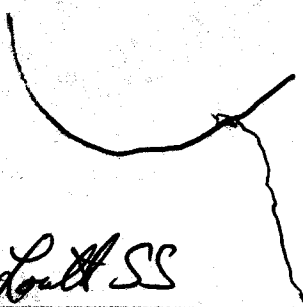
Over the Counter  
Small leg stock.

50-

{  
732  
292  
0953  
}

Ames

Ben O'Brien



2270 Better Oil Shows in W. part SS

2275

2280

2285

2290

2295

2300

2305

2310 Sand

2315'

2320'

2325'

2330'

2335'

2340'

2345'

2350

2355

2360 *Hard stone, white & clayey, red gray to dk. shale Oil shale*

2365 Same A

2

$$390/970 = 40\%$$

#3

17' ↑

q-H ○  $390'$  →  $3\%$

20

1.35%

2370 ~~MC~~ sand - some grey shale throughout - oil show.

2375

2380

2385

2390' Excellent sand - clean - Fair oil show

2375' MCL ss - Good Oil show - Few Grey sh. chips w. Silt ss chips.

2380' ↑ Same

2385' ↑ Same

2390' Show of Oil: MCL sandstone, Gray to blk. sandstone

2395' Same as ↑

2400' Good Clean MCL Sand + Good Oil show - some blk shale

2405' Good Clean MCL SS with good Oil show

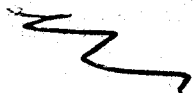
2410' GLOR + GI MCL SS

2415' ~~GI~~ MCL sand. - Oil show - Med Gray shale

2420' Same ↑ lite colored Silt stone

2425' 50/50 MCL Sand + blk shale - Oil in the sand

2435' MCL ss. Oil show - med Gray shale, w. Siltstone chips



2440 Lg 90 BR Gr. shale; M/LSS @ Oil

2445 Lg 90 BR - M/Gr. shale, M/L Sandstone @ Oil sh. ||

2450 M/LSS 1/3 BR Gr. shale ~~1/2~~ good Oil sh ||

2455 " " " " " ||

2460 M/LSS Lg 90 gray shale - ~~VOID~~ show good show in pits

2465 " 50% " " " ||

2470 DR Gray to Med Gray Shale 2/3 - M/LSS @ Oil ||

2475 " " " " @ less oil than ↑

2480 DR shale - M/LSS - : ~~Some~~ Oil show

2484 M/LSS + Bone sand - some med gray shale : Oil show in the sh

2475  
2360  

---

115

V.D.

# Saturday

Time Job

8:00 BOP

10:45 Run Pipe

12:27 1580-1632 Drilled shoe joint out

2:30 Circulated + pulled pipe out

4:00 Made up tools + Tested same + Started in Hole

5:25 + in @

7:15 1632-1662 drilled.

7:22 1665

7:43 1670

8:30 1680 + Making connection