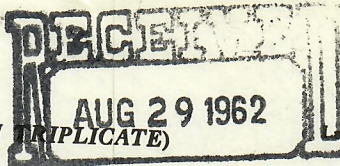




00822440

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R358.4.
Form Approved.Land Office DenverLease No. Colo 06438UNITED STATES ~~MINERAL~~ & GAS
DEPARTMENT OF ~~INTERIOR~~ COMMISSION
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Gov't Kewanee August 21, 1962
Well No. 1 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 23
0 NW NW Sec. 23 T-11-N R-95-W 6th PM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Hoffat Colorado
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ground ~~derrick floor~~ above sea level is 6357 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

BST No. 3, 4872-4840', 1/2" BG, 1/2" TC, tool open one hour, weak air flow increasing to moderate at end of test, NGTS, recovered 610' wtr, brackish to taste, 180' wtr and gas-out drlg mud, ISIP 2189#/30 min, BFP 58-374#, BSIP 2142#/30 min, HP 2416-2410#, BHT 119° F.

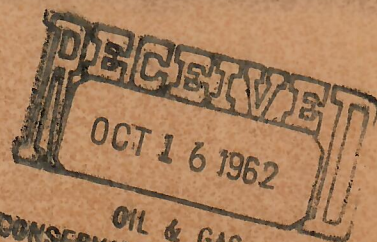
Approved 8/27/62L. B. Kelly
District EngineerBEST IMAGE
AVAILABLE

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Atlantic Refining CompanyAddress P. O. Box 520Casper, Wyoming

By

L. B. Kelly
Title District Drilling-Production Supervisor



SAMPLE DESCRIPTION

ATLANTIC GOVERNMENT NO. 1 KEWANEE
Section 23, T.11N., R.95W.
Moffat County, Colorado
Elevation 6368' KB

(Following samples drilled with inverted oil emulsion)

330-40	Ss; wh, med gr, glau, clac, cemented, tr mica, 30% bent (drlg mud stn)
340-50	Ss; as above, w/tr cse ang qtz, ark
350-60	Ss; as above, with 50% bent? (drlg mud stn) tr coal, tr large wh mica flakes, tr large ang qtz, ark
360-70	Ss; wh, v cse gr qtz (unconsolidated), ang, ark
370-80	Ss; as above, 20% gry sh
380-90	Ss; as above, 30% gry sh
390-400	Ss; as above, 20% gry sh, wh mica flakes, tr black mica, tr gry siltst
400-10	Ss; as above, 30% lt gry vf gr sd, 10% gry sh
410-20	Ss; as above, 20% lt gry sh, 30% lt gry bent
420-30	Ss; as above, 30% lt gry sh, tr wh mica flakes, tr grn sh
430-40	Ss; as above, 30% grn sh, 10% lt gry sh, tr coal
440-50	Ss; as above, 30% grn sh, 10% lt gry sh, tr wh mica
450-60	Sh; grn, 20% lt gry sh, tr qtz gr, tr mica, tr coal
460-70	Sh; gry calc, 20% grn sh, tr wh, f gr calc cemented ss
470-80	Sh; gry, 20% lt grn sh, tr bent, coal + cse qtz gr
480-90	Sh; gry, 20% lt grn sh, tr wh mica flakes
490-500	Ss; wh, v cse grain (unconsolidated), ang, ark, 40% gry sh, 10% grn sh
500-10	Ss; as above, tr wh mica, 10% gry sh
510-20	Ss; as above, tr grn f gr, tr gry sh + wh mica
520-30	Ss; as above, tr grn f gr, & tr vf gr wh ss
530-40	Ss; wh v cse gr qtz ang, ark, 10% wh vf gr calc cemented ss
540-50	Ss; wh v cse gr qtz ang, ark, 20% wh vf gr calc cemented ss, tr gry, buff, maroon & grn sh

- 550-60 Ss; wh, v cse gr, 20% wh-grn vf-f gr ss, wh mica flakes, tr grn sh
- 560-70 Ss; wh, v cse gr, some wh f gr calc cemented sub ang ss, tr grn vf gr sd, tr grn sh, tr wh mica flakes
- 570-80 Ss; wh, tr buff v cse gm qtz gr (unconsolidated), ang, ark, tr lt gry clyst
- 580-90 Same as above

Schlumberger Base Tertiary Green River Tipton Tongue

- 590-600 Ss; as above, 10% lt grey clyst, tr pyrite, tr of lt grn f gr sd
- 600-610 Ss; as above, 30% brn-red-grey mottled marly clyst, tr wh + blk mica
- 610-20 Clyst; brn-red-gry mottled marly, 20% wh vc gr qtz (unconsol) ang, ark, tr grn clyst, tr lt grn-wh f gr ss
- 620-30 Same as above
- 630-40 Ss; wh, v cse gr qtz (unconsol) ang, ark, 20% brn-red mottled clyst, tr gry clyst, tr wh f gr calc cemented ss
- 640-50 Same as above except 40% brn-red mottled clyst
- 650-60 Same as above, 40% brn-red mottled clyst
- 660-70 Ss; wh, v cse gr qtz (unconsol) ang, ark, 30% brn-red mottled clyst, 20% lt gry clyst
- 670-80 Same as above
- 680-90 Same as above, tr wh mica, tr coal, tr lt grn f gr ss
- 690-700 Ss; wh, v cse gr qtz (unconsol), 40% brn-red mottled clyst, 10% lt grn f gr calc cemented ss, 10% lt gry siltst
- 700-10 Ss; wh, v cse gr qtz (unconsol) ang, ark, tr pink qtz
- 710-20 Same as above ss, w/tr wh-grn, mica, arg siltst
- 720-30 Same as above ss w/20% wh-grn mica, arg siltst
- 730-40 Same as above ss w/30% wh-grn mica, arg siltst
- 740-50 Same as above ss w/tr pink qtz, tr grn mica arg siltst
- 750-60 Same as above
- 760-70 Same as above w/10% brn-red mottled clyst, 10% lt grn bent
- 770-80 Same as above sample w/tr lt grn arg siltst
- 780-90 Same as above sd w/20% lt grn bent, tr wh mica flakes
- 790-860 No samples over shaker

- 860-70 Clyst; brn-red mottled, 30% lt grn bent, tr gry clyst, 30% v cse gr qtz grs.
- 870-80 Ss; wh, tr red, v cse gr ang qtz (unconsol) ark, tr wh-grn sltst
- 880-90 Clyst; gry + brn-red, 30% lt gry bent, 30% ss, wh v cse gr qtz, ark
- 890-900 Clyst; gry + brn-red, 50% ss, wh-pink v cse gr qtz, ark, tr blk qtz, tr wh mica
- 900-10 Ss; wh-pink v cse qtz (unconsol) ark, 10% lt gry, brn-red clyst
- 910-20 Sh; lt gry, tr v cse qtz, tr coal, tr gry clyst, tr wh mica flakes
- 920-30 Bent; 50% lt gry sli silty, 30% lt gry, brn-red clyst, 20% wh v cse gr qtz, ark
- 930-40 Same as above
- 940-50 Clyst; brn-red mottled, tr lt gry bent, v cse gr qtz, ark
- 950-60 Clyst; brn-red mottled, tr bent, tr lt gry clyst
- 960-70 Clyst; brn-red mottled, tr bent, tr wh grn mica glauc sltst
- 970-80 Same as above
- 980-90 Same as above w/10% lt gry clystone
- 990-1000 Same as above
- 1000-10 Ss; lt gry, f gr arg, 20% brn-red bent clyst
- 1010-20 Ss; wh tr red v cse g qtz (unconsol) ang ark, tr lt gry f g arg ss, tr gry, brn-red clyst
- 1020-30 Clyst; brn-red, gry, 20% lt gry bent clyst
- 1030-40 Same as above, tr wh v cse g qtz
- 1040-50 Same as above
- 1050-60 Clyst; brn-red, gry, bent
- 1060-70 Clyst; brn-red, gry, bent, tr wh v cse g ang qtz
- 1070-80 Same as above, tr gry sh
- 1080-90 Same as above
- 1090-1100 Same as above
- 1100-10 Same as above

BEST IMAGE
AVAILABLE

1650-60	Same as above
1660-70	Same as above
1670-80	Same as above w/10% wh f g bent ss
1680-90	Clyst; lt gry, brn-red mot bent, tr wh v cse g qtz (unconsol)
1690-1700	Same as above w/10% wh v cse g qtz (unconsol)
1700-10	Same as above sample
1710-20	Same as above sample
1720-30	Clyst; lt gry, brn-red mot bent, 20% wh, f g, bent ss, 10% wh v f g qtz
1730-40	Same as above
1740-50	Same as above, except only 10% wh, f g bent ss
1750-60	Same as above sample
1760-70	Ss; wh tr pink v cse g qtz (unconsol) ang, ark, 10% wh f g bent sd w/ tr gry, brn-red clyst
1770-80	Clyst; lt gry, brn-red mot, bent, 10% wh f g bent ss, tr wh v c g qtz + wh mica
1780-90	Same as above
1790-1800	Ss; wh, v c g qtz (unconsol) ang ark, 10% wh arenaceous bent, tr gry, brn, red clyst
1800-10	Same as above
1810-20	Same as above
1820-30	Ss; wh tr red, v cse g qtz (unconsol) ang, ark, tr arenaceous bent, tr gry, brn-red clyst
1830-40	Same as above w/tr lignite
1840-50	Same as above w/tr lignite
1850-60	Ss; wh tr red, v cse g qtz (unconsol) ang ark, 40% ss, wh f g bent, glauc, mica
1860-70	Same as above only tr ss; wh f g bent, glauc, mica
1870-80	Same as above only 10% ss wh, f g bent, glauc, mica
1880-90	Same as above only 20% ss wh, f g bent, glauc, mica
1890-1900	Same as above w/30% gry bent clyst, 10% wh f g bent ss

- 1900-10 Clyst; lt grn bent, brn-red mot sli bent, 10% wh arenaceous bent, 30% wh, v cse g qtz
- 1910-20 Same as above
- 1920-30 Ss; wh f g bent glauc, 30% wh v cse g qtz, 30% gry, brn-red mot bent clyst
- 1930-40 Ss; wh, v cse g qtz, ark, ang, 10% sd, lt gry f g bent
- 1940-50 Ss; wh, v cse g qtz, ark, ang, 20% clyst; lt gry bent arenaceous
- 1950-60 Ss; wh, v cse g qtz, ark, ang, 10% lt gry-grn arenaceous bent
- 1960-70 Clyst; lt gry, brn-red mot bent, 30% wh v cse g qtz, 10% arenaceous bent
- 1970-80 Same as above
- 1980-90 Same as above
- 1900-2000 Same as above, only 10% wh v cse g qtz
- 2000-10 Same as above sample
- 2010-20 Ss; wh, tr red v cse g qtz ang, ark, 10% ss, wh-gry f g bent
- 2020-30 Ss; wh, tr red v cse g qtz ang, ark, 20% wh arenaceous bent
- 2030-40 Ss; wh, tr red v cse g qtz ang, ark, 10% wh arenaceous bent 20% wh bent clyst
- 2040-50 Same as above
- 2050-60 Ss; wh tr red v cse g qtz (unconsol) ang, ark, 40% wh arenaceous bent tr wh-lt grn f g, glauc S&P ss
- 2060-70 Arenaceous bent no P or P, 30% wh-red v c g qtz, 10% red-gry clyst
- 2051 Circulated Sample: Clyst; gry v bent, 20% wh arenaceous bent
- 2070-80 Same as above
- 2085 Circulated sample: Ss; wh-pink v cse g qtz ark, ang (unconsol) tr mica 30% gry, grn, brn-red clyst, tr wh S & P f g, sli calc ss
- 2080-90 Ss; wh-tr red v cse g qtz (unconsol) ark, ang, 20% gry tr brn-red clyst tr lt grn glauc f g sd, tr wh, S&P f g ss, tr gr, brn-red clyst, tr pyrite
- 2090-2100 Ss; wh tr red v c g qtz (unconsol) ang, ark, 20% brn iron stained? f g sli bent ss, 20% brn-red bent clyst, tr wh bent?
- 2100-10 Clyst; brn-red, bent, 40% wh-brn bent siltstone, tr wh v c g qtz, tr ls
- 2110-20 Clyst; brn-red mot bent, tr brn bent siltstone, tr wh v c g qtz, tr ls

1110-20	Same as above
1120-30	Same as above
1130-40	Ss; lt gry, mica, glauc, v bent f g
1040-50	Same as above, 30% wh, v cse g ang qtz (unconsol), 10% gry + brn-red bent, clyst
1050-60	Same as above sample
1060-70	Same as above sample
1070-80	Ss; lt gry f g v bent, mica, glauc, 20% gry + brn-red clyst
1080-90	Same as above
1090-1200	Same as above
1200-10	Same as above
1210-20	Same as above
1220-30	Same as above
1230-40	Ss; wh, v cse g qtz (unconsol), ang, ark, tr red qtz
1240-50	Clyst; brn-red, bent, 30% sd wh, f g bent glauc, 20% v cse g qtz
1250-60	Same as above
1260-70	Sd; wh, v cse g qtz (unconsol) ang, ark, 30% grn + gry, brn-red clyst, 10% ss, f g bent glauc
1270-80	Same as above except only: trace f g glauc sd
1280-90	Ss; wh v cse g qtz (unconsol) tr red qtz ang ark phert
1290-1300	Clyst; gry, brn-red mottl, bent, 20% wh, v cse g qtz, tr wh-grn f g ss
1300-10	Same as above
1310-20	Same as above
1320-30	Ss; wh-gry v f g, v bent, arg, 10% wh v cse g qtz, 10% brn-red mottl, clyst
1330-40	Ss; wh, v cse g qtz, ang, ark, tr red qtz, tr lt grn f g sd
1340-50	Clyst lt gry v bent, arenaceous, 40% gry, brn-red mottl clyst, 10% wh v cse g qtz
1350-60	Ss; wh v cse g qtz (unconsol) ang, ark, 50% brn-red mottl clyst
1360-70	Same as above

1370-80	Same as above, w/tr wh-grn f g glauc ss, tr gry clyst
1380-90	Same as above sample
1390-1400	Clyst; brn-red mot, gry-grn, 40% wh, v cse g qtz (unconsol) tr lt grn f g ss
1400-10	Same as above
1410-20	Clyst; brn-red mot, gry-grn, bent, 20% wh v cse g qtz (unconsol)
1420-30	Same as above
1430-40	Same as above w/tr grn-wh vf-fg ss
1440-50	Same as above sample
1450-60	Same as above sample w/10% wh v c g qtz (unconsol)
1460-70	Same as above sample w/10% wh v c g qtz (unconsol)
1470-80	Same as above sample w/tr lt grn f g sd, tr wh v f g bent ss
1480-90	Clyst; brn-red, gry, 30% wh arenaceous bent, 20% wh v cse g qtz
1490-1500	Same as above
1500-10	Clyst; lt gry, brn-red mot, tr wh v cse g qtz (unconsol)
1510-20	Same as above w/tr wh f g calc cntd ss
1520-30	Clyst; lt gry, brn-red, mot, bent, tr coal
1530-40	Same as above w/tr v cse g qtz
1540-50	Same as above
1550-60	Same as above
1560-70	Same as above
1570-80	Same as above
1580-90	Same as above
1590-1600	Same as above
1600-10	Clyst, lt gry, brn-red mot, bent 40% wh, v cse g, qtz (unconsol)
1610-20	Clyst, lt gry, brn-red mot, bent tr wh, v cse g, qtz (unconsol)
1620-30	Same as above
1630-40	Same as above
1640-50	Same as above w/tr wh f g bent ss

2640-50 Clyst; buff gry-red mot bent, tr wh, f g S&P bent glauc ss

2550-60 Same as above w/10% wh f g S&P bent glauc calc cmtd ss

2660-70 Ss; wh f g sub ang glauc, v bent S&P calc cmtd, 20% buff red bent clyst

2670-80 Clyst; buff red-gry mot bent, tr wh f g glauc bent S&P ss

2680-90 Same as above

2690-2700 Same as above w/10% wh f g glauc bent S&P calc cmtd ss

2700-10 Ss; wh f g bent, S&P glauc, calc cmtd, 30% gry red bent clyst

2710-20 Clyst; gry-red mot v bent, tr wh f g bent S&P glauc ss

2720-30 Same as above

2730-40 Clyst; gry-red mot arenaceous sli bent clyst, 20% ss wh, f g S&P glauc sli calc tr bent

2740-50 Same as above

2750-60 Same as above

2760-70 Clyst; gr tr red mot w/10% ss; wh, f g S&P glauc sli calc, bent

2770-80 Clyst; gr-red mot sli bent

2780-90 Clyst; gr-red mot sli bent; tr ss; wh, f g, glauc, sli calc, bent

2790-2800 Same as above

2800-10 Clyst; gr-red mot buff sli bent w/10% ss; wh, f g, glauc, sli calc bent

2810-20 Clyst; gr-red mot, gry, sli bent w/10% ss; wh f g glauc

2820-30 Ss; wh f g, kaolin cmtd, S&P, 20% clyst, gr-red mot, gr, bent

2830-40 Same as above ss, 50% clyst, gr-red mot, bent, arenaceous

2835 Circulated sample: Ss; wh f g v bent S&P glauc, 70% wh v c g qtz unconsol

2840-50 Ss; wh f g, kaolin cmtd, S&P, 20% clyst, gr-red mot gr, bent

2850-60 Ss; wh f-vf g bent S&P, 50% wh v c g qtz (unconsol) ark, tr gry sd clyst

2860-70 Clyst; buff gry-red mot 20% ss; f g S&P glauc calc cmtd, 10% wh v c g qtz (unconsol)

2870-80 Clyst; pred red, tr gry & buff; 10% ss, f g S&P glauc, calc, cmtd.

2880-90 Same as above clyst, tr ss f g S&P glauc, calc, cmtd

2890-2900 Same as above clyst, 20% ss f g S&P glauc, calc, cmtd

2390-2400 Ss; wh-gry f g bent, glauc S&P, 40% buff-red bent clyst

2400-10 Ss; wh tr red v c g qtz (unconsol) 30% buff-red bent clyst, 10% wh bent S&P ss

2410-20 Clyst; buff, gry-red mot bent, 20% wh f g S&P bent ss, 10% wh v c g qtz

2420-30 Clyst; buff, gry-red mot bent, 40% wh f g S&P bent ss

2430-40 Clyst; gry-red mot bent, 10% wh f g S&P bent ss

2440-50 Same as above tr wh f g S&P bent ss

2450-60 Same as above sample

2460-70 Clyst; gry, buff-red bent, 30% wh f g S&P v bent ss

2470-80 Clyst; gry, buff-red bent, 10% wh f g S&P v bent ss

2480-90 Clyst; gry, buff-red bent, 30% wh f g S&P v bent ss

2490-2500 Clyst; gry, buff-red bent, 10% wh f g S&P v bent ss

2500-10 Clyst; buff, gry, brn-red mot bent, tr wh f g bent ss

2510-20 Same as above w/20% wh f g S&P bent ss

2520-30 Same as above w/10% wh f g S&P bent ss

2530-40 Same as above sample

2540-50 Ss; wh, f-vf g sub ang v bent, blauc S&P ss, 20% buff gry-red mot clyst

2550-60 Ss; wh f g sub ang bent-calc cmt glauc S&P, tr gry-red clyst

2560-70 Ss; tr red v c g qtz (unconsol) ark, ang, 20% ss; wh f g bent-calc cmtd glauc S&P

2570-80 Ss; wh, f g sub ang, bent-calc cmtd glauc S&P, 10% wh v c g qtz, tr gry red bent clyst

2580-90 Same as above

2590-2600 Clyst; gry, brn-red mot, arenaceous v bent, 30% wh, f g sub ang v bent S&P glauc ss

2600-10 Same as above

2610-20 Same as above

2620-30 Same as above w/ 40% wh f g sub ang v bent S&P glauc ss

2630-40 Ss; wh f g sub ang, glauc, bent S&P calc cmtd, 30% gry red buff bent arenaceous clyst

BEST IMAGE
AVAILABLE

2120-30	Same as above
2130-40	Same as above, clyst, 20% wh-brn sltst, tr wh S&P f g ss
2140-50	Clyst; gry, brn-red mot bent, tr wh v f g ss
2150-60	Clyst; gry, brn-red mot bent, 30% wh tr red v c g qtz, tr wh calc f g ss
2160-70	Same as above
2170-80	Same as above clyst, w/10% wh f g S&P calc cmtd glauc ss
2180-90	Ss; wh f g, S&P sli calc, bent 50% brn-red bent clyst
2190-2200	Clyst; gry brn-red, bent, 20% wh v bent f g sd, 20% wh f g S&P ss
2200-10	Bent, arenaceous glauc, 20% gr-br bent sltst
2210-20	Same as above
2220-30	Clyst, gry, br-rd mot, bent, tr wh-brn v f g bent ss
2230-40	Same as above
2240-50	Same as above w/tr wh f g S&P cal cmtd ss
2250-60	Ss; wh f g v bent, 50% gry-red mot bent clyst, tr wh v c g qtz
2260-70	Clyst; buff-red mot bent clyst, 30% wh f g v bent sd, tr wh v c g qtz
2270-80	Clyst; buff-red bent, tr gry clyst, 10% wh f g v bent sd, tr wh v c g qtz
2280-90	Same as above
2290-2300	Same as above
2300-10	Ss; wh f g v bent/glauc, 50% clyst buff-red-gry, bent clyst, tr v c g qtz
2310-20	Same as above
2320-30	Clyst; buff-red bent, tr wh f g bent S&P glauc ss, tr v c g qtz
2330-40	Same as above
2340-50	Same as above
2350-60	Same as above
2360-70	Same as above
2370-80	Clyst; buff tr red & gry bent, tr wh, f g bent glauc S&P ss
2380-90	Clyst; buff tr red & gry bent, 30% wh f g bent ss; tr wh f g S&P ss

BEST IMAGE
AVAILABLE

3410-20	Same as above
3420-30	Same as above
3430-40	Same as above
3440-50	Clyst; gry, red, arenaceous bent, 10% ss wh f-vfg bent
3450-60	Clyst; gry, red, arenaceous bent, 10% ss wh f-vfg bent
3460-70	Clyst; gry, red, arenaceous bent, 30% ss wh f-vfg bent
3470-80	Same as above
3480-90	Clyst; red gry buff bent arenaceous, 10% ss, wh f-vfg, S&P bent
3490-3500	Clyst; red gry buff bent arenaceous, 20% ss, wh f-vfg, S&P bent
3500-10	Same as above
3510-20	Same as above
3520-30	Clyst; red, gry bent sh arenaceous 10% ss, wh f-vfg S&P bent
3530-40	Same as above w/tr ss, wh f-vfg S&P bent
3540-50	Clyst; red, gry bent, v arenaceous 10% ss, wh f-vfg S&P bent
3550-60	Same as above
3560-70	Clyst, gry tr red bent arenaceous, tr sd wh fg bent
3570-80	Clyst, gry tr red bent arenaceous, 10% sh wh fg bent
3580-90	Same as above
3590-3600	Ss; lt gry f-vfg S&P glauc 20% gry bent arenaceous clyst
3600-10	Clyst; gry, red bent, 10% ss wh f-vfg bent glauc S&P
3610-20	Clyst; gry, red bent, tr ss wh f-vfg bent glauc S&P
3620-30	Clyst; gry tr red grn bent
3630-40	Same as above
3640-50	As above
3650-60	Clyst; gry red bent arenaceous, tr ss, f-vfg bent S&P
3660-70	As above
3670-80	Clyst, gry red buff bent, 30% ss wh f-vfg bent
3680-90	Ss, wh-grn f-mg bent glauc S&P ang, good P&P, 10% clyst red-gry bent

BEST IMAGE
AVAILABLE

2900-10 Clyst; gry, buff, gr-rd mot; 40% ss; wh f g glauc kaolin cmt?

2910-20 Clyst; gry rd-gry mot arenaceous bent

2920-30 Same as above w/wh f g glauc S&P calc cmtd tr wh v c g qtz (unconsol)

2930-40 Ss; wh v c g qtz (unconsol) ark, ang, 30% ss, wh tr grn f g S&P

2940-50 Ss; wh v c g qtz (unconsol) ark, ang, tr pyrite, 10% buff, gr-rd clyst

2940-60 Ss; wh v c g qtz, (unconsol) ark, ang, 30% gry, buff red clyst, 10% ss, grn, f-vf g glauc sli calc, sli bent

2960-70 Ss; wh f-vf, v bent, S&P, glauc, 50% clyst, gry, buff red bent

2970-80 Same as above w/60% clyst, gry, buff red bent

2980-90 Clyst; pred gry & rd, buff, tr grn f g glauc ss

2990-3000 Clyst; pred buff red-gry mot, 30% ss, wh f-vf g bent, S&P

3000-10 Same as above

3010-20 Clyst; gry-red mot, gry bent, 40% ss, wh-br f g S&P Kaolin cmt?

3020-30 Ss; wh-br S&P glauc f g bent, 40% clyst gry-rd mot bent

3030-40 Ss; wh v c g qtz (unconsol) ark ang, 20% gry, red bent clyst, 10% ss, wh f g S&P bent

3040-50 Ss, wh v c g qtz unconsol ark ang, tr gr red bent clyst, tr wh f-vf g S&P bent ss

3050-60 Clyst; grn, buff red-gry mot, 40% wh f-vf bent S&P ss

3060-70 Ss; wh f g ang good perm & por S&P tr bent, 40% clyst grn, gry w/red-gry mot bent

3070-80 Ss; wh v c g qtz (unconsol) ark ang 30% ss wh fg-vfg partly bent S&P 20% gry & grn tr buff & red clyst

3080-90 Same as above

3090-3100 Same as above w/tr coal

3100-20 Clyst; gry, red-gry, bent, arenaceous, tr wh f g bent

3120-30 Same as above

3130-40 Same as above w/tr coal

3140-50 Same as above

3150-60 Ss; wh f-vf, v bent, S&P, glauc, 50% clyst, gry-red mot, gry buff bent

BEST IMAGE
AVAILABLE

- 3160-70 Clyst; wh-gry red mot v bent, 10% ss wh, f g v bent
- 3170-80 Same as above
- 3174 Circulated Sample: Ss; wh v c g qtz unconsol, ark, ang, 20% ss, wh f g bent S&P (lt yel cut on one sd grain)
- 3180-90 Ss; wh & buff f-vfg bent S&P 30% clyst, gry rd bent
- 3190-3200 Ss; wh v c g qtz (unconsol) ark, ang, tr buff-gry clyst
- 3200-20 Ss; same as above w/30% gry-buff red bent clyst, 10% ss, wh m g ang S&P kaolin cmt
- 3220-30 Clyst; gry, gry-red mot buff, tr wh f g bent ss
- 3230-40 Same as above
- 3240-50 Same as above w/10% sh, f-vfg, S&P glauc kaolin cmtd?
- 3250-60 Same as above sample
- 3260-70 Bent; arenaceous, 20% clyst, gry red, bent
- 3270-80 Ss; wh f-mg sub ang, kaolin cmt? friable good P&P, 30% clyst, gry red mot bent
- 3280-90 Ss; wh f-vfg S&P glauc, bent, 20% wh m g S&P sub ang kaolin cmt, 20% silty wh bent clyst
- 3290-3300 Clyst; gry br-red bent, 20% f-vfg bent S&P ss
- 3300-10 Bent; arenaceous, clyst, wh-gry bent arenaceous
- 3310-20 Clyst; gry-wh bent, tr ss, wh f-vfg S&P bent
- 3320-30 Clyst; gry-wh-red bent, tr ss, wh f g S&P glauc bent
- 3330-40 Same as above
- 3340-50 Clyst, grn-red buff bent 10% gry siltstone, tr ss, lt gry glauc v f g
- 3350-60 Same as above
- 3360-70 Clyst, gry-red mot, gry buff bent, ss, wh f-vfg S&P bent
- 3370-80 Ss, wh f-vfg S&P bent, 30% clyst, gry red, bent arenaceous
- 3380-90 Clyst, gry red bent arenaceous, tr ss wh f-vfg S&P bent
- 3390-3400 Clyst, gry red bent arenaceous, 10% ss wh f-vfg S&P bent
- 3400-10 Clyst, gry, buff red, bent, 10% arenaceous bent, tr ss, wh vfg S&P bent

3690-3700 Same as above

3700-10 Clyst; red gry bent arenaceous

3710-20 Ss; wh-grn f-ng buff kaolin cnt? 10% gry bent clyst

3720-30 Clyst; gry bent tr ss f-vfg S&P bent

3730-40 Clyst; gry bent 10% ss f-vfg S&P bent

3740-50 Clyst; gry bent tr ss f-vfg S&P bent

3750-60 Same as above

3760-70 Same as above

3770-80 Same as above

3780-90 Same as above

3790-3800 Clyst; gry red bent, tr wh vfg bent ss

3800-10 Clyst; gry red bent, 40% ss; gry-wh f-vfg S&P sli bent

3810-20 As above

3820-30 Sltst; wh sli bent, 30% gry red bent clyst 20% ss wh vfg S&P
glauc hard

3830-40 As above

3840-50 Clyst; gry buff red bent; 20% ss, vcg qtz (unconsol), 10% sltst wh-gry

3850-60 Clyst; gry, buff red bent arenaceous; 10% sltst wh gry tr gry f g
glauc S&P ss

3860-70 Ss, wh gry f-vfg sli bent S&P glauc 20% clyst, gry red buff bent
10% sltst gry

3870-80 As above

3880-90 Clyst; gry red buff bent, 40% ss wh-gry S&P glauc

3890-3900 Ss; wh-gry, f g S&P, glauc; 40% clyst gry red

3910-20 Clyst; gry, red, buff, 40% ss wh, gry red buff 10% sltst wh

3920-30 Sltst; wh-gry, 20% ss, wh vfg glauc

3930-40 Ss; wh-gry f g S&P, glauc 20% sltst wh-gry 20% clyst gry-brn arenaceous
bent

3940-50 As above

3950-60	As above
3960-70	As above
3970-80	As above
3980-90	Clyst; wh-gry, red, arenaceous, 40% ss wh-gry f-vfg bent S&P
3990-4000	Ss; wh-gry grn, f-vfg, 30% clyst, gry red arenaceous bent
4000-10	As above
4010-20	Sltst, wh-gry argillaceous 30% ss; red gry grn f-vfg glauc 20% gry grn clyst gry tr red arenaceous
4020-30	clyst, gry tr red arenaceous, tr wh f-vfg ss
4030-40	Clyst, gry red grn 20% ss gry grn f-vfg
4040-50	Clyst, gry red grn 40% ss gry grn f-vfg
4050-60	Ss; gry grn f-vfg glauc, 40% grn red brn clyst
4060-70	Clyst, gry tr grn red br, 30% grn gry glauc ss
4070-80	Clyst, gry tr grn red br, 20% grn gry glauc ss
4080-90	Ss; wh-fg bent tr glauc & tr S&P 20% gr-br clyst
4090-4100	Sh; gry, 20% ss, wh grn f-vfg bent
4100-10	Clyst; gry red bent arenaceous; 30% ss, wh-grn f-vfg bent
4110-20	As above
4120-30	As above
4130-40	As above, w/10% wh siltst
4140-50	Clyst, red gry buff, 30% ss wh grn f-vfg tr mica tr S&P
4150-60	Clyst, red gry buff, 30% ss, wh grn f-g kaolin cnt? glauc
4160-70	Clyst, red gry buff, 10% ss, wh grn f-g kaolin cnt? glauc
4170-80	ss: wh gry grn f-vfg bent, 20% clyst gry red buff
4180-90	As above
4190-4200	As above
4200-10	Ss; wh gry f-vfg v bent tr mica glauc, 10% gry arenaceous clyst
4210-20	Ss; wh gry f-vfg v bent tr mica glauc, 30% gry arenaceous clyst

BEST IMAGE
AVAILABLE

4480-90	Clyst; gry red buff 20% ss wh lt gry f g glauc, 10% gry sltst
4490-4500	As above
4500-10	Clyst; gry red buff, 30% ss, wh lt gry f-vfg glauc tr biotite poorly sorted (fair P&P) 10% gry sltst
4510-20	As above
4520-30	As above
4530-40	As above
4540-50	As above
4550-60	As above
4560-70	As above
4570-80	Se; lt gry buff tr red, f-vfg, tr biotite, 20% lt gry sltst, 10% gry red arenaceous clyst
4580-90	As above
4590-4600	As above
4600-10	Clyst; red gry sli bent arenaceous, 30% ss wh v f g, 10% lt gry sltst
4610-20	As above
4620-30	As above with 30% ss wh f-vfg
4630-40	Se; wh, lt gry f-vfg tr biotite sli bent sli S&P, 40% gry red sli bent clyst
4640-50	Clyst; gry red bent, 40% ss, wh lt gry f-vfg sli bent glauc tr biotite
4650-60	As above w/10% lt gry sltst
4660-70	Clyst; gry red bent arenaceous, 20% lt gry siltstone, tr ss lt gry f-vfg
4670-80	As above
4680-90	Clyst; gry arenaceous, tr ss, lt gry, f-vfg, glauc, tr S&P
4690-4700	Clyst; gry-red mot gry tr buff, 30% ss lt gry f g S&P glauc sli calc
4700-10	Clyst; gry-red mot gry tr buff, 10% ss lt gry f g S&P glauc sli calc
4710-20	Clyst; gry-red mot gry tr buff, tr ss lt gry f g S&P glauc sli calc
4720-30	Clyst; gry-red mot gry tr buff, 10% ss lt gry f g S&P glauc sli calc
4730-40	Clyst; gry-red mot gry tr buff, tr ss lt gry f g S&P glauc sli calc

- 4740-50 Clyst; gry-red mot gry buff arenaceous; tr lt gry f g ss, tr calc carb
- 4750-60 Clyst; gry-red mot gry buff arenaceous; 10% lt gry f g ss, tr calc carb
10% lt gry sltst
- 4760-70 Ss; wh-gry, f g glauc, sli cal, tr mica, 30% gry-red clyst
- 4770-80 As above
- 4780-90 Clyst; gry, red buff, sli bent, tr ss, wh lt gry f-vfg
- 4790-4800 As above
- 4800-10 As above
- 4810-20 As above
- 4820-30 As above
- 4830-40 As above
- 4840-50 As above
- 4850-60 Clyst; gry red, 20% ss wh-gry v-vfg, sli calc tr S&P, bent
- 4860-70 Bent; lt gry arenaceous, 20% gry bent sh; 10% lt ark gry f g sli bent ss
- 4870-80 clyst; lt gry, tr red buff bent, 20% wh f-mg calc ss
- 4880-90 Clyst; lt gry, tr red bent, tr gry f-vfg ss
- 4890-4900 Clyst; lt gry, tr red bent,
- 4900-10 Ss; wh-gry f g glauc S&P kaolin cmt? 30% gry-red bent clyst
- 4910-20 Clyst; gry tr red bent, 30% ss, wh f-mg S&P sli calc
- 4920-30 Clyst; gry, tr red bent, tr ss wh, f-mg S&P, sli calc, tr gry sltst
- 4930-40 Ss; wh-gry, f-mg calc S&P glauc; 40% gry red bent clyst
- 4940-50 Clyst; gry red buff bent ss, 30% wh-gry f-mg calc S&P glauc tr biotite, tr coal
- 4950-60 Clyst; gry red buff bent; tr gry-wh grn, f-vfg ss
- 4960-70 As above
- 4970-80 As above except w/10% gry-wh f-vfg ss
- 4980-90 Bent, wh arenaceous, 30% gry, tr red bent clyst
- 4990-5000 Ss, wh-gry, f-mg calc S&P, tr biotite, 40% gry-grn, tr red bent clyst
- 5000-10 Clyst, gry tr red & buff bent, 10% ss wh-gry tr grn f-vfg calc glauc

BEST IMAGE
AVAILABLE