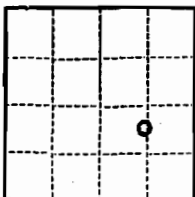


(SUBMIT IN TRIPLICATE)

Land Office Salt Lake
Lease No. Utah 09602-13
Unit _____



NE 1/4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	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)

July 18, 1958

Hoover Federal

Well No. 1 is located 2100 ft. from N/S line and 660 ft. from E/W line of sec. 20

NE 1/4 Sec. 20 T29S R15E S15M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Wayne County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6237 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)

Continental Oil Co. intends to drill a well at the above location to an approximate depth of 6050' to test the oil and gas possibilities of strata from surface to ± 300' into the Mississippian.

A 13 3/4" hole will be drilled to 1400'. The hole will be reamed to 17 1/2" to 300' and 13 3/8" casing set unless water problems are encountered in which case the hole will be reamed through the zone and casing set through the zone. If commercial shows are encountered 5 1/2" production casing will be set, perforated and a completion attempted.

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

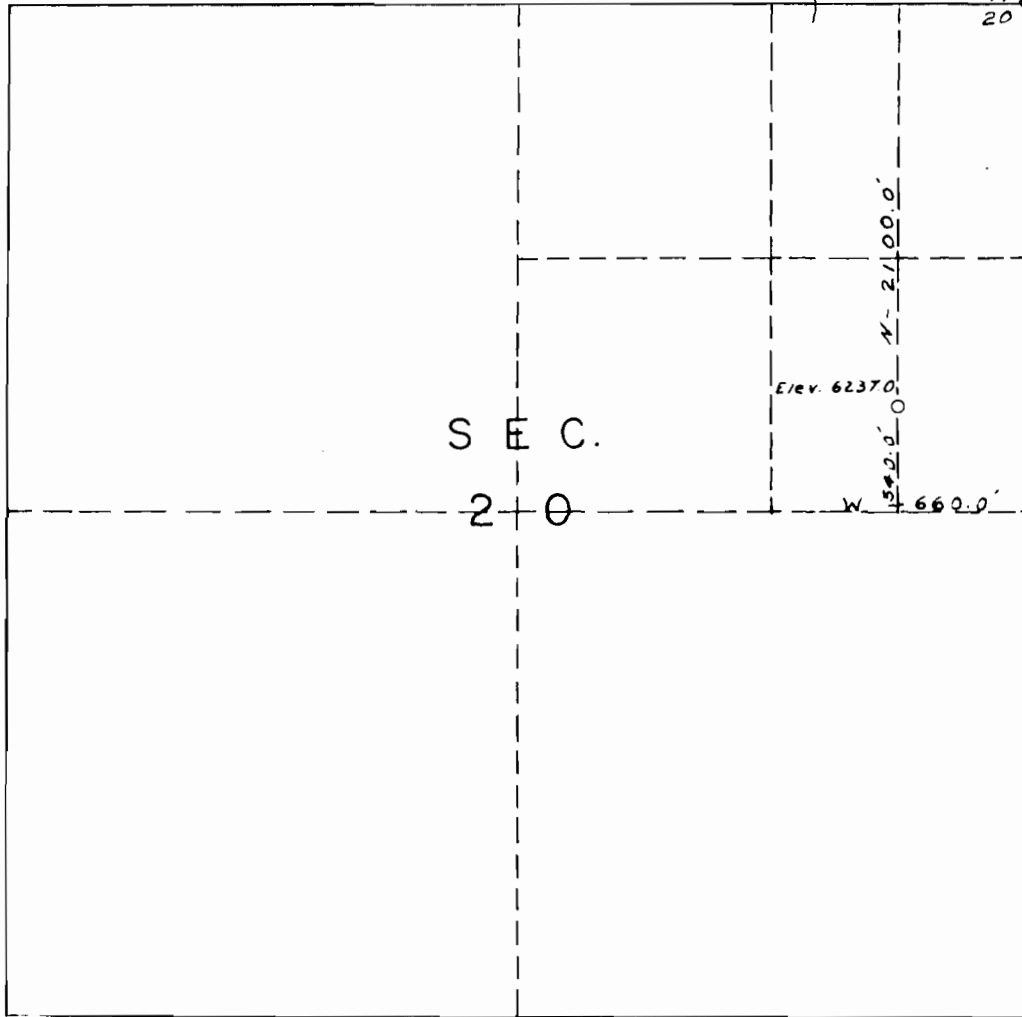
Company Continental Oil Co.

Address Box 1121

Durango, Colorado

By _____

Title Geologist



BRASS CAP
FOUND IN PLACE

CONTINENTAL OIL CO.

Location - Federal HOOVER No. 1

S.E. 1/4 of N.E. 1/4 Sec. 20 T. 29S. R. 15E. S.L.B.M.

Wayne County, Utah

Date: 7 - 13 - 58

Scale: 1" = 1000'

Signed: *James E. Wilkinson*

Utah Reg. Land Surveyor

FILE NOTATIONS

Entered In NID File

Entered On S.R. Sheet

Location Map Pinned

Case Indexed

EW R for State of Texas Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA

Date Well Completed

OW WW TA

GW OS AS PA

Location Inspected

Bond released
State of Texas Land

Date Log

Elev. Log (In)

E

F

G

OK

SP No. / Micro

Other

La

M.L.

Cont

Other

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval letter

Date Completed, P. & A. or

operation suspended

Pin marked on location map

Well had record of P & A

When shut off test

Gas Oil Ratio Test

Well Log Filed

FILED

July 22, 1958

Continental Oil Company
P. O. Box 1121
Durango, Colorado

Attention: James V. Lee, Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Hoover - Federal 1, which is to be located 2100 feet from the north line and 660 feet from the east line of Section 20, Township 29 South, Range 15 East, S1EM, Wayne County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

OLEON B. FRIGHT
SECRETARY

CEP:en

cc: Don Russell
USGS, Federal Bldg.
Salt Lake City

				X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. Utah 09602-B
Unit _____

71-4
8-19

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.....	X
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)

Hoover Federal _____ August 6, 1958
Well No. 1 is located 2100 ft. from N line and 600 ft. from E line of sec. 20
NE 20 T29S 15E SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Wayne Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6245 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)

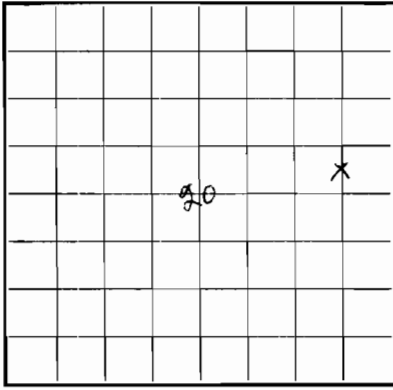
Ran 734' of casing (10 3/4", 32.75#, 8 rd, new, Lone Star) cemented with 375 sacks regular cement. Plug down 6:00 A. M. August 5, 1958.

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

Company Continental Oil Company
Address Box 1121
Durango, Colorado
By D. J. Furelly
Title Geologist

Salt Lake City
Utah 09602-B

U. S. LAND OFFICE _____
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

3/10

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Continental Oil Co.

P. O. Box 1121, Durango, Colo.

Company **Hoover Federal** Address **Aldeat** State **Utah**

Lessor or Tract **20 29S 15E** BLM State **Wayne**

Well No. **2100** Sec. **N.** R. **660** Meridian **E.** Sec. **2** County _____ Elevation **6245'** **DF**

Location _____ ft. $\left. \begin{matrix} N. \\ S. \end{matrix} \right\}$ of _____ Line and _____ ft. $\left. \begin{matrix} E. \\ W. \end{matrix} \right\}$ of _____ Line of _____ Elevation _____
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

January 26, 1958

Signed *R. J. Farrelly* **Geologist**

Date _____ Title _____

The summary on this page is for the condition of the well at above date **July 27, 58** **October 8, 58**

Commenced drilling _____, 19____ Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	734'	375 sack reg.	displacement		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

COMPANY: Continental Oil Company
 WELL: Hoover Federal #1
 FIELD: Wildcat
 LOCATION: Wayne County, Utah
 2100' W, 600' N, Section 20, T27N, R15E
 SPUDDED: July 29, 1958
 COMPLETED: October 8, 1958
 TOTAL DEPTH: 6336'
 MEASUREMENTS: K. H. 6246
 D. P. 6245
 C. L. 6235
 FORMATION TESTS: (OBS log)

	<u>Depth</u>	<u>Datum</u>	<u>Thickness</u>
Surface	-	+6246	-
Kingite	1013	+5233	293'
Chinle	1312	+4934	433'
Shinarump	1715	+4531	471'
Moenkopi	1762	+4484	443'
Cocconino	2205	+4041	430'
Cutler (undifferent)	2635	+3611	420'
Hermosa	3055	+2591	455'
Paradox	5110	+1136	142'
Paradox (middle)	5252	+994	150'
Paradox (lower)	5910	+336	544'
Holms	6114	-169	192'
Mississippian	6306	-360	

CASING: 10 3/4" casing from surface to 734' with 175
 sax regular. Open 8 3/4" hole 734' to 6336' (TD).

TOOLS: Rotary - Company G-500

LOGGING UNIT: Perceps Engineering, Farmington, New Mexico.

GEOLGISTS: R. J. Farrelly, W. F. Kinnison

CEMENTATION: Plug as follows:
 629-6543 30 sax
 5135-5043 35 sax
 3680-3500 35 sax
 2110-2130 35 sax
 1340-683 50 sax
 15 sax surface plug set.

7-28-58 Spudded in Antares.
 7-30-58 Drilled 8 3/4" hole to 242'.
 7-31-58 Drilled 8 3/4" hole to 734'.
 8-1-58 Drilled 8 3/4" hole to 1512'.
 8-2-58 Drilled 8 3/4" hole to 1583'.
 8-3-58 Reamed 13 3/4" hole to 757'.
 8-4-58 Prep to set 10 3/4" casing.
 8-5-58 Set 10 3/4" 32.75' 8-round Lone Star Range 2 casing at 734' with 375 sacks regular.
 8-6-58 Plug drilled. Shut down for uphole seismic survey.
 8-7-58 Drilling at 1607'.
 8-8-58 Drilling at 1906'.
 8-9-58 DST #1 (2050-2171) failed.
 8-11-58 Drilled to 2289'. Lost circulation 2289'. Ran DST #2 2205-2289, recovered 30' drilling mud.
 8-12-58 Regained circulation - drilling at 2303'.
 8-13-58 Drilling at 2375'.
 8-14-58 Drilling at 2449'.
 8-15-58 Drilling at 2608'.
 8-16-58 Drilling at 2723'.
 8-17-58 Drilling at 2792'. Lost circulation.
 8-18-58 Drilling at 3236'.
 8-19-58 Drilling at 3483. Hooked up mud logger 32 0'.
 8-21-58 Drilling at 3608'.
 8-22-58 Drilling at 3712'.
 8-24-58 Drilling at 3800'.
 8-25-58 Drilling at 3937'.
 8-26-58 Drilling at 4161'.
 8-27-58 Drilling at 4249'.
 8-28-58 Drilling at 4311'.
 8-29-58 Drilling at 4390'.
 9-1-58 Drilling at 4720'.
 9-2-58 Drilling at 4812'.
 9-4-58 Drilling at 4884'.
 9-5-58 Drilling at 4963'.
 9-8-58 Drilling at 5146'.
 9-9-58 Drilling at 5241'.
 9-10-58 Ran DST #3. (5210-5246). Recovered 12' drilling mud.
 9-11-58 5346 Converted to salt base mud.
 9-12-58 Drilling at 5392'.
 9-13-58 Drilling at 5526'.
 9-14-58 Drilling at 5612'.
 9-15-58 Drilling at 5693'.
 9-16-58 Drilling at 5850'.
 9-17-58 Drilling at 5950'.
 9-18-58 Drilling at 6013'.
 9-19-58 Drilling at 6070'.
 9-20-58 Drilling at 6127'.
 9-21-58 Drilling at 6159'.
 9-22-58 Drilling at 6226'.
 9-23-58 Drilling at 6269'.
 9-24-58 Drilling at 6313'.
 9-25-58 Drilling at 6367'.

WELL LIST #1, continued:

9-27-58 Coring at 6444.
9-28-58 Coring at 6467.
9-29-58 Pulled Core #1.
9-30-58 Drilling at 6573'.
10-1-58 Drilling at 6628'.
10-2-58 Drilling at 6766'.
10-4-58 Drilled to 6846'. Completed DWT #4. (6695-6846)
Recovered 1500' sulfur water.
10-5-58 Drilled to 6880. Prep to log.
10-6-58 Finished logging (Ran DWT & Guard log)
10-7-58 Ran velocity survey.
10-8-58 Plugged and abandoned well.

Continental Oil Company
 Hoover Federal #1
 Sample Descriptions

0-10	Ss, buff, med gr, sub-angular gr, quartzose, unconsol, 100%.
10-20	As above.
20-30	As above.
30-40	Ss, buff-reddish brn, fine-med grn, consolidated, calc, cement, 100%.
40-50	As above.
50-60	As above.
60-70	As above.
70-80	As above.
80-90	As above.
90-100	As above.
100-110	Ss, buff-reddish brn, fine-med gr, calc cement, with some ss, buff-white, med-arse gr, ang. gr, 100%. Well cemented, calc cement.
110-120	As above.
120-130	As above.
130-140	As above.
140-150	Ss, buff-reddish brn, as above, 100%. Tr sh, red-maroon, calc.
150-160	As above.
160-170	As above with some shale showing gray mottling.
170-180	As above.
180-190	Ss, reddish-brn, fine gr, sub ang gr, calc cement, well cemented, 90%. Sh, red maroon as desc above, 10%. Tr ss, wh, f gr, sub rd gr, well cemented.
190-200	As above.
200-210	Ss, reddish brn as desc above, with some grn mottling, 80%. Ss, wh as desc above, 10%. Sh, maroon as desc above, 10%.
210-220	As above.
220-230	As above.
230-240	As above.
240-250	Ss, reddish brn as desc above, 100%.
250-260	As above.
260-270	Ss, reddish brn as desc above with tr ss, wh, med-arse gr, gr sub rd.
270-280	As above.
280-290	As above.
290-300	As above.
300-310	As above.
310-320	As above.
320-330	As above.
330-340	As above.
340-350	As above.
350-360	As above.
360-370	Ss, reddish-brn, as desc above, becoming v silty. Tr sh, maroon, calc.
370-380	As above.
380-390	As above.
390-400	As above.
400-410	Ss, reddish brn as desc above, 80%.

	Sh, maroon, 10%.
	Ss, wh, fine-med gr, gr sub rounded, 10%.
	Tr ss, vitreous, coarse gr, ang, well cemented.
410-20	Ss, red brn, fine gr, approaching siltst, calc, 80%.
	Sh as desc above 10%.
	Ss, wh as desc above, 10%.
420-30	As above.
430-40	As above.
440-50	As above with trace purple mica siltstone.
450-60	As above.
460-70	Ss, orange, med gr, grains sub angular, well cemented. Calc. cement, 70%.
	Ss, red, med-coarse gr, angular gr, poorly sorted, sli calc, cement, well cemented, 10%.
	Sh, red brn, 10%.
	Ss, reddish brn as desc above, 10%.
470-80	As above.
480-90	Ss, orange, med grain, as desc above, 90%.
	Sh, as desc above, 10%.
490-500	As above.
500-10	As above.
510-20	As above.
520-30	Ss, orange, as desc ab with some unconsl.
530-40	As above.
540-50	As above.
550-60	Ss as desc above, 90%.
	Dol, lavender, dense, very silty, sli mica, 10%.
560-70	As above.
570-80	As above.
580-90	As above.
590-600	Ss as desc above, 80%.
	Dol, lavender, dense, argill, 20%.
600-10	Ss as desc above with some ss, becoming silty, 100%.
610-20	As above.
620-30	Ss as desc above with trace shale, purple, to lavender.
630-40	As above.
640-50	As above.
650-60	As above.
660-70	As above.
670-80	As above.
680-90	As above.
680-90	As above.
690-700	As above.
700-10	Ss, orange-reddish orange, fine to med gr, sub rd gr, well sorted, well cemented, 100%.
710-20	As above.
720-30	As above.
730-40	As above.
740-50	Ss, wh with orange tint, med gr, sub round, well sorted, well cemented, calc cement, 40%.
	Ss as desc previously, 60%.

750-60	As above.
760-70	As above.
770-80	As above.
780-90	Ss, orange as desc above, 80%. Shale, red, 10%. Ss, wh, as desc above, 10%.
790-800	As above.
800-10	As above.
810-20	Ss as desc above, 90%. Sh as desc above, 10%.
820-30	As above.
830-40	Ss, wh gry, fine gr, well sorted & well cemented, with ss as desc above, 90%. Sh, red, brn, maroon, 10%.
840-50	As above.
850-60	As above with trace shale, green, waxy & tr ss, red, crse gr, ang grain, dirty, poorly sorted biotite.
860-70	Ss, wh-or-red, med to crse gr, sub angular to angular gr, with some biotite, poorly sorted, well cemented, 80%. Ss, orange, fine grain, 20%.
870-80	As above.
880-90	As above.
890-900	As above.
900-10	Ss, wh, orange, red, fine-med gr as desc above with some sh, red, maroon, 100%.
910-20	As above.
920-30	As above.
930-40	As above.
940-50	As above.
950-60	As above.
960-70	As above.
970-80	As above.
980-90	As above.
990-1000	As above.
1000-10	Ss, red, orange, wh, fine-med gr as desc above, 100%.
1010-20	As above.
1020-30	Ss, red, orange, very silty, approaching siltstone, sli calc, sli mica, 50%. Ss as desc above, 50%.
1030-40	As above.
1040-50	As above.
1050-60	As above.
1060-70	As above.
1070-80	As above.
1080-90	As above.
1090-1100	As above.
1100-10	Ss, orange-red, med gr, grains sub angular-sub rd, fairly sorted, well cemented, sli calc cement, 90%. Sh, red brn with some gry mottling, some v silty, 10%. Trace shale, dk brn, silty, sli mica.

1110-20 Ss as desc above with some white mottling, 100%.
1120-30 Ss as desc above with tr dol, lavender-gry, microxln,
dense.
1130-40 As above.
1140-50 Ss as desc above, 100%.
1150-60 As above.
1160-70 As above.
1170-80 As above.
1180-90 Ss as desc above.
1190-1200 As above.
1200-10 Ss as desc above with some ss becoming buff, fine gr,
sub angular, consolidated.
1210-20 As above.
1220-30 As above.
1230-40 Ss as desc above.
1240-50 As above.
1250-60 Ss as desc above.
1260-70 As above.
1270-80 As above.
1280-90 As above.
1290-1300 Ss as desc above with trace ss in glauc inclusions.
Tr siltstone, red-brn, mottled, sli mica.
1300-10 Ss as desc above, 90%.
Sh, brn, sli mica with some v silty.
1310-20 Ss as desc above with tr sh desc above.
Tr of
1320-30 Siltstone, red, very argill, some glauc mottling? 100%.
(very poor sample)
1330-40 Siltstone as desc above with some glauc ss incl, 100%.
1340-50 As above.
1350-60 Siltst as desc above becoming more sandy.
1360-70 Siltst as desc above, 50%.
Ss, gry, red gr-crse gr, poorly sorted, well cemented,
20%.
1370-80 Siltst, as desc above, 50%.
Ss as desc above, 20%.
Ss, orange, fl gr, sub rd gr, well sorted, fair por,
no shcw, 30%.
1380-90 Ss as desc above, 60%.
Siltst as desc above, 40%.
1390-1400 Sh, brn, silty, sli mica, 20%.
Siltst as desc above, 30%.
Ss as desc above, 50%.
1400-10 Siltst as desc above, 80%.
Ss, orange, v f gr, well consolidated, 20%.
1410-20 As above.
1420-30 Siltst as desc above with tr ss as desc above.
1430-40 As above.
1440-50 As above.
1450-60 As above.
1460-70 As above.
1470-80 As above.

- 1480-90 Sh, maroon with some gry mottling, v calc, 20%.
Siltst as desc above, 80%.
- 1490-1500 As above.
- 1500-10 Sh, maroon, brn, lavender, v calc, 50%.
Siltst as desc above, 50%.
- 1510-20 Ss, mottled gry & red, v calc, glauc inclusions,
trace biotite, tight, 60%.
Sh, maroon as desc above, 40%.
- 1520-30 Ss as desc above, 30%.
Sh as desc above, 60%.
- 1530-40 Ss, wh-gry, some limonite st, med gr, poorly sorted, 10%.
Siltst, gry, calc, v sdy, biotite & muscovite incl,
30%.
Ss as described above with tr ss, crse gr, 40%.
Tr large amber & clear qtz xls.
Sh as desc above, 30%.
- 1540-50 Ss, grn, fine to very crse gr muscovite inclu, tr
pebble congl, 30%.
Siltst as above 20%.
Sh as above 50%.
- 1550-60 As desc above with limonite staining on some ss samples.
- 1560-70 As above.
- TRm
- 1570-80 Ls, buff-pink, dense, microxln, some limestone app to
be in inclusions, 20%.
Sh, maroon, calc, 20%.
Siltst, mottled, red & green, calc, 50%.
Tr sh, green waxy.
Ss as desc above, 10%.
- 1580-90 Sh, maroon, mica, with some green waxy sh, incl, 40%.
Siltst as desc above, 50%.
Ls, as desc above, 10%.
- 1590-1600 As above.
- 1600-10 Siltstone, red with some green mottling, mica, 80%.
Sh, red, maroon, 20%.
Tr ss, gry-grn, v f gr, tr ls as desc above.
- 1610-20 Siltst as desc above, 50%.
Sh as desc above, 50%.
Tr ls as desc above.
- 1620-30 As above.
- 1630-40 As above.
- 1640-50 As above.
- 1650-60 Ss, gry-brn, med-crse gr, gr ang, poorly sorted, dirty,
limonite staining on some pieces, loosely cemented,
50%.
Sh as desc above, 25%.
Siltst as desc above, 25%.
- 1660-70 Ss as desc above, 70%.
Sh & siltstone as above, 30%.
- 1670-80 Ss, wh-gry, crse gr, angular-sub angular gr, fairly
friable, calc, fair sorting, 90%.
Tr bit mat.
Sh as desc above, 10%.

1680-90 ss as described in previous sample.
1690-1700 As above.
1700-10 ss as desc above, 30%.
Sh, maroon, silintery, 99%.
Siltst as desc above, 20%.
1710-20 ss as desc above, 10%.
Sh as desc above, 90%.
Siltst as desc above, 10%.
1720-30 coal, 20%.
ss as desc above, 10%.
Sh as desc above, 70%.
1730-40 Sh as desc above, 95%.
Coal 5%.
tr siltst, red, mica.
1740-50 ss desc above.
1750-60 Sh as desc above, 80%.
Coal, 20%.
tr large amber & clear quartz.
1760-70 As above.
1770-80 Sh as above, 100%.
1780-90 Sh as desc above becoming very silty; mica, grading
to siltst, 100%.
1790-1800 Siltst, orn-red, sil calc, mica, tr coal, 100%.
1800-10 As above with tr coal.
1810-20 As above.
1820-30 As above.
1830-40 As above.
1840-50 As above.
1850-60 As above.
1860-70 ss, gry, v f gr, calc, ls, mt, tr biotite, 10%.
Siltst as above, 90%.
1870-80 Siltst as above with trace shale, green, waxy, 100%.
1880-90 As above.
1890-1900 Siltst as above with tr sh, orn, mica. 100%.
tr ls, red, microxln, dense.
1900-10 As above.
1910-20 As above.
1920-30 As above.
1930-40 Siltst as desc above with tr ls nod, 90%.
on, orn red-orn mottled, 10%.
1940-50 as above.
1950-60 Siltst as above, 80%.
Sh, grn, red, 10%.
ss, buff, v f gr, tight, 10%.
1960-70 Siltst as above, 80%.
ls, lt gry, v f g, biotite, tight, 20%.
1970-80 As above.
1980-90 As above.
1990-2000 Siltst as above, 70%.
ls as above, 30%.
2000-10 Siltst as above, 80%.
sh, maroon, green, gry, 20%.
2010-20 Siltst as above, 100%.
2020-30 As above.

- 2030-40 Siltst, 80%.
Sh, red, maroon, green, gry, 20%.
- 2040-50 Siltst & sh as above, 80%.
Ss, buff, v f gr, tight, 20%.
- 2050-60 Siltst as above, 60%.
Ss as above, 10%.
Sh as above, 30%.
- 2060-70 As above.
- 2070-80 Siltst, 50%.
Sh, 45%.
- 2080-90 Ss, gry, med gr, friable, qtz, 50%.
Dol, tan, microklin, dense, spotted st heavy oil,
good cut, 10%.
Siltst as above, 90%.
- 2090-2100 As above.
- 2100-10 As above.
- 2110-20 Siltst as above, 90%.
Sh, red, grn, 10%.
- 2120-30 As above with tr pyr.
- 2130-40 As above.
- 2140-50 As above.
- 2150-60 As above.
- 2160-70 As above.
- 2170-80 As above.
- 2180-90 Siltst as above, 100%.
Tr ss, gry, med gr, gr sub angular, f friable, stain
with heavy asph residue, fair cut. ✓
- 2190-2200 Ss as above, 20%.
Siltst as above with some stain with heavy asphalt
residue, 80%. ✓
- 2200-10 Ss as desc above with some green sh partings, 40%.
Siltstone as above, 60%. 9
- 2210-20 Ss as desc above, 20%.
Siltst as desc above, 80%.
- 2220-30 Ss as desc above, 30%.
Siltst as desc above, 50%.
Sh, grn calc, 20%.
- 2230-40 Ss, gry, fine-med grnd, sub angular, friable, v calc,
stain with brn oil, 20%. ✓
Siltst as above, 80%.
- 2240-50 Poor sample returns.
Ss as desc above with some pyritic ss, 30%.
Siltst as above, 70%.
- 2250-60 As above, very poor sample.
- 2260-70 Ss as above with numerous pyrite incl, 50%.
Ss, wh with some or, med gr, gr sub rd, fair friable
with some wh alaystone inclusions, 20%.
Siltst as above, 30%. ✓
Heavy oil showing in mud.
- 2270-80 As above, very poor sample.

DST #2. 2205-2189. Open 1 hr. SI 30 min.
Recovered 30' drilling fluid.
All pressures 0.

2289 Lost circulation.
2280-90 Sample all cavings.

2290-2300 Primarily cavings.
Ss as desc above, 30%.
Siltst as desc above, 70%.

2300-10 Ss, wh-buff, friable, loose, med-crse gr, sub ang gr,
some gr frosted, tr ss as desc above with asphalt
residue, 50%.
Siltst as desc above, 50%.

2310-20 As above.

2320-30 Ss as desc ab with many pyrite incl, 70%.
Siltst as desc above, 30%.

2330-40 Ss as desc above, 80%.
Siltst as desc above, 20%.

2340-50 Ss as desc above, 90%.
Siltst as desc above, 10%.

2350-60 As above.

2360-70 Ss, wh, fine-med gr, sub angular sub rd gr, v friable,
loose, 100%.

2370-80 As above. Very poor sample, cavings & lost circulation
material.

2380-90 Ss as above (tr heavy bl asphalt material), 100%.

2390-2400 As above.

2400-10 As above.

2410-20 As above.

2420-30 As above.

2430-40 As above.

2440-50 Ss, wh, crse gr, gr sub rounded-rounded, loose, fri,
pyrite inclus, with some ss, wh, f gr, crse gr, well
cemented, 100%.

2450-60 Ss, wh, fine-med gr, gr sub rounded, numerous pyrite
inclu, 100%.

2460-70 As above.

2470-80 Ss, wh, f gr, g sub rd, sli fri, pyrite & wh clay
inclusions, 100%.

2480-90 As above.

2490-2500 Ss as above, 100%.
(Sh, red-maroon, calc, cavings?)

2500-10 Ss as above, 100%.

2510-20 Ss as desc above, 100%.
(Many cavings & lost circulation material).

2520-30 Ss, wh-buff, f gr, g sub rd, friable, loose, 100%.

2530-40 As above.

2540-50 As above with some pyrite inclusions.

2550-60 Ss, wh, fine-med gr, gr sub rd, fair friable, tr pyrite
& wh clay incl.

2560-70 As above.

2570-80 As above.

2580-90 As above.

2590-2600 As above.

- 2600-10 Ss, wh, fine-med gr, fair friable to friable, tr pyrite & wh clay incl, 100%.
- 2610-20 Ss as above, 100%.
- 2620-30 Ss as above with some buff color, 100%.
- 2630-40 As above.
- 2640-50 Ss, wh-buff, f gr, gr sub rd, sli fri, tr pyrite & wh clay incl.
- 2650-60 Ss, wh-buff, f to med gr, gr sub ang sub rd, tr crse gr.
- 2660-70 Ss, buff & wh mottled, sli calc, f gr, gr sub ang, well consol, 80%.
- Ss, wh, fi gr, gr sub ang, sli fri, with some greenish cast, 20%.
- Tr ls, pink, crse xls, dense.
- 2670-80 As above.
- 2680-90 As above.
- 2690-2700 As above, no ls.
- 2700-10 Ss, buff, f gr, gr sub rd, friable, loose, 60%.
- Ss as desc above, 40%.
- 2710-20 Ss, buff, sli calc, sli fri, f gr, gr sub ang, with some ss, wh, as desc above, 100%.
- 2723 Lost Circulation.
- 2720-30 As above.
- 2730-40 As above.
- 2740-50 Ss, buff-orange, med grn, gr sub ang, friable, abund lost circulation material.
- 2750-60 Ss, wh-buff, f-med gr, sli friable, 80%.
- Ss as above, 20%.
- Siltst, red brn (cavings--sample contains great deal cavings and lost circulation material.)

From 2750-2830 poor samples, primarily cavings.

- 2760-70 As above.
- 2770-80 As above.
- 2780-90 As above.
- 2790-2800 As above.
- 2800-10 As above.
- 2810-20 As above.
- 2820-30 As above.
- 2830-40 Ss, wh with some orange, fi to med gr, gr sub ang, loose, friable, 80%.
- Cavings, 20%.
- 2840-50 Ss as above, 100%.
- 2850-60 Ss, wh, med gr, gr sub ang, -sub rd, loose, friable.
- 2860-70 As above.
- 2870-80 As above.
- 2880-90 As above.
- 2890-2900 As above.
- 2900-10 Ss, wh with some orange, some g frosted, fine-med-crse gr, gr sub rd, loose, friable, 100%.
- 2910-3000 As described above.

- 3000-10 Ss, wh with some buff or, some f frosted, fi-med-crse
gr, gr sub rd, loose, friable, 100%.
- 3010-20 ss above.
- 3020-30 As above.
- 3030-40 As above.
- 3040-50 As above.
- 3050-60 ss above.
- 3060-70 ss above.
- 3070-80 As above.
- 3080-90 As above.
- 3090-3100 Ss, wh, f gr, gr sub rd, sli friable, sli calc, 100%.
High % cavings.
- 3100-10 Ss as above.
- 3110-20 As above.
- 3120-30 As above.
- 3130-40 As above.
- 3140-50 As above.
- 3150-60 As above.
- 3160-3200 primarily cavings.
- 3160-70 As above.
- 3170-80 As above.
- 3180-90 As above.
- 3190-3200 As above.
- 3200-10 Ss, wh, f gr, gr sub rd, as desc above, 70%.
- Ss, wh, crse gr, gr sub rd, loose, friable, 30%.
- 3210-20 As above with tr ss, pink, f cr, sli fri, calc.
- 3220-30 Ss, wh, f gr, ss above, 90%.
- Ss, pink, f gr, ss above, 10%.
- Tr feldspar.
- 3230-40 Ss wh, with some cr gr, sub rd-rd gr, fi-med-crse
gr, loose, friable, 100%.
- Tr dol, purple, crse xln, dense; tr ss, pink as above.
- 3240-50 As above.
- 3250-60 As above.
- 3260-70 As above ss becoming crse and.
- 3270-80 As above.
- 3280-90 As above.
- 3290-3300 As above.
- 3300-10 Ss, wh, med gr, gr sub ang, fri, loose, 100%.
- 3310-20 As above.
- 3320-30 Ss, wh with some cr, fi-med gr, gr sub ang, fri, loose,
100%.
- 3330-40 As above.
- 3340-50 As above.
- 3350-60 As above.
- 3360-70 As above.
- 3370-80 As above.
- 3380-90 Ss, cr, fi-med gr, gr sub rd, fri, loose, 100%.
- 3390-3400 Ss as above with tr sh, lavender.
- 3400-10 Ss, as desc above, 90%.
- Sh, purple, lavender, calc, 10%.
- Tr dol, pink, dense.

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- 3410-20 Ss as desc above, 80%.
Sh as desc above, 10%.
Sh, brn, silty, sli calc, 10%.
Tr dol, pink, lavender.
- 3420-30 Ss, wh, fi to crse gr, gr rd-sub rd, loose, friable
with some sli friable, 100%.
- 3430-40 As above.
- 3440-50 As above.
- 3450-60 Ss, wh with some or cast, f gr, sli fri, 90%.
Ss, pink, notuled wh, mica, v f gr, 10%.
- 3460-70 Dol, purple, v arena grading to calc ss, 40%.
Ss as above, 60%.
- 3470-80 Ss, wh, med gr, gr sub ang, loose, friable, 80%.
Dol as above, 20%.
- 3480-90 As above.
- 3490-3500 As above.
- 3500-10 Ss as above, 100%.
Tr siltst, brn, mica.
- 3510-20 Ss, wh with some pink, med gr, gr sub rd, friable,
loose, 70%.
Siltstone, brn-purple, mica, calc, 10%.
- 3520-30 Sample as desc above with trace wh interstitial clay.
- 3530-40 As above.
- 3540-50 As above.
- 3550-60 Ss, wh, med-crse gr, gr sub rd, sme gr frosted, loose,
friable, tr wh interstitial clay, tr or staining.
- 3560-70 Ss, wh with sme or gr, f-med gr, sli fri. Tr ss,
brn, v f gr, mica, 40%.
Siltst, red-brn, tr purple, tr grn, mica, sli calc, 60%.
- 3570-80 Ss as above with some becoming crse gr, 70%.
Siltst as above, 30%.
- 3580-90 Ss, wh-buff, f gr, gr sub ang, sli fri, 80%.
with some ss, wh, med gr, gr sub rd, loose, fri.
Siltst as above, 20%.
- 3590-3600 As above.
- 3600-10 Ss as above with some grn st, 70%.
Siltst as above, 10%.
- 3610-20 Ss as above, 80%.
Siltst as above, 10%.
Chert, orange, white, opaque, 10%.
- 3620-30 Ss, wh, f gr, gr sub ang, sli friable, calc, 40%.
Siltst as above with tr dk prg siltst, brn, some lav, 60%.
Tr chert as above.
- 3630-40 Siltst as above with some sh, dk brn, 60%.
Ss, buff-orange, some red, fi gr, gr sub rd, 20%.
- 3640-50 Siltst as above, 80%.
Ss, wh-buff as above with some ss, wh,
med gr, gr sub rd, loose, fri, 20%.
- 3650-60 Ss, gr-buff, with some pink, microxln, fi xln, argill,
dense, 70%.
- 3660 Ss as above, 20%.
Siltst as above, 80%.

- 3660-70 Ls as desc ab with some fossil, 60%.
Siltst as above, 30%.
Ss as above, 10%.
Tr chert, orange, brn.
- 3670-80 Siltst, dk gry, mica, pyritic, 50%.
Ls, dk gry, dense, microxln, with some ls as above, 50%.
- 3680-90 Ls as above, 90%.
Siltst as above, 10%.
- 3690-3700 As above.
- 3700-10 As above.
- 3710-20 As above.
- 3720-30 Ls, gry-buff, microxln with tr med xln, dense, 60%.
Chert, dk gry-tan, opaque, 20%.
Siltst as above, 20%.
- 3730-40 Ls as above with some dk gry, 80%.
Chert as above, 10%.
Siltst as above, 10%.
- 3740-50 Ss, wh, med gr, gr sub ang, loose, friable, 20%.
Ls as above, 70%.
Sh, dk gry-blk, sli calc, 10%.
- 3750-60 Ss, wh, fi-med gr, gr sub ang, as above, 30%.
Ls as above, 70%.
- 3760 Drilling break. Circ sample desc below:

Ss, wh, f g, g sub ang, well sorted, consolidated with some ss, wh, fi gr with few crse gr, ang gr, loose, friable, 70%.
Ls as desc above, 30%.
- 3760-70 As above.
- 3770-80 Drilling break. Circulate sample.

Ss, or, mottled buff, ark, fi-med gr, gr ang with some loose, dirty, poorly sorted, mica.
- 3780-90 As above.
- 3790-3800 As above.
- 3800-10 Sh, blk, mica, silty, highly calc with some chert & calc incl, 80%.
Siltst, lt gry, mica, highly calc, grad to silty ls, 20%.
- 3810-20 Sh as above, 40%.
Ls, lt gry, argill, dense, tr mica, 60%.
- 3820-30 As above.
- 3830-40 Ls, gry-dk gry, v silty, mica, grading to siltst, dense with some ls, gry, microxln, dense, calcite incl, 100%.
- 3840-50 As above.
- 3850-60 Ls as above, 50%.
Ss, wh, med gr, dirty, calc cement, 10%.
Siltst, gry-buff, mica, 40%.
- 3860-70 Sample primarilyavings.
- 3870-80 Ss, wh with some or gr, fi-crse gr, loose, gr sub rd, 50%.
Siltst, bl, carb, mica, calc, 20%.
Ls as above, 30%.

- 3880-90 Ss, as above, 100%.
3890-3900 Ss as above, tr or chert, 50%.
Sltst, gry, mica, calc, 50%.
3900-10 Ls, gry, silty, dense, 50%.
Ss as above, 20%.
Sltst as above, 30%.
3910-20 Drilling break 3913-21. No show, sample or mud.

Ss as above, 50%.
Sltst as above, 40%.
Ls as above, 10%.

3920-30 Sltst, gry, mica, calc, 60%.
Ls, gry-buff, dense, microxln with some silty, 40%.
3930-40 Sltst as above, 50%.
Ls as above, 30%.
Ss, wh with sm or gr, gr sub rd and crse gr,
loose (cavings?) 20%.
3940-50 As above.
3950-60 As above.
3960-70 Ss, wh, with some varicolored gr, med-crs gr, loose, 50%.
Sltst, gry-grn, mica, calc, 50%.
3970-80 Ls, gry-buff, silty, dense with some microxln, 30%.
Ss as desc above, 30%.
Sltst, gry-grn, blk, mica, calc, 40%.
3980-90 As above.
3990-4000 Ls, lt gry-buff, microxln, dense, with tr cht, tan,
opaque, 50%.
Sltst as desc above, 30%.
Ss as desc above, 20%.
4000-10 Ss as above, 60%.
Ls as above, 20%.
Sltst as above, 20%.
4010-20 Sltst, gry-grn, mica, calc, 50%.
Ls, lt tan-buff, microxln, dense with some silty, tr
chert, brn, lpaque, 40%.
Ss as above, 10%.
4020-30 Sltst as above, 90%.
Ss as above with some ss, wh, f g, sli fri, mica, 10%.
4030-40 Sltst as above, 70%.
Ss as above, 10%.
Ls as above, 20%.
4040-50 Ls, lt gry-buff, microxln, dense with some ls dk gry
with brn cast, 60%.
Sltst as above, 40%.
Tr anhy, wh, fi xln.
4050-60 Ls as above with some sh dk gry inclusions, 80%.
Sltst as above, 10%.
Anhy, wh, fi xln, 10%.
4060-70 As above.
4070-80 Ls, tan-gry, tr chalky, microxln, dense, tr calcite
incl veining, 70%.
Sltst as above with tr anhy, 30%.

- 4080-90 Sh, blk, carb, calc, 10%.
Ls as in preceding sample, 60%.
Siltst as in preceding sample, 30%.
Tr anhy, wh, xln.
- 4090-4100 Ls as above, 60%.
Siltst as above, 40%.
Tr sh, blk, carb.
- 4100-10 Ss, v coarse to coarse gr, med gr; gr sub rounded to sub ang,
loose, fri, (savings?) 40%.
Ls as above, 30%.
Siltst as above, 30%.
- 4110-20 As above.
- 4120-30 Ls as above with pink stain, 50%.
Ss as above, 30%.
Siltst as above, 20%.
- 4130-40 Sample primarily lost circulation material & savings.
- 4140-50 Siltst as above, 60%.
Ls as above, 20%.
- 4150-60 As above.
- 4160-70 Siltst as above, 60%.
Chert, tan, translucent, 10%.
Ls as above, 20%.
Sh, blk, carb, 10%.
- 4170-80 Predominantly savings.
- 4180-90 Anhydrite 10%.
Ss, wh to clear, f to med grnd, sub rd (possibly cav)
Calc cement, 40%.
Ls, dk gry, dense, 10%.
Silt, gry, fi micaceous, 40%.
- 4190-4200 Anhydrite 10%.
Silt as above 60%.
Ls as above, some silty, 30%.
Chert 10% (dk brn to blk).
Silt as above 40%.
Ls, li gry to gry, dense to fi xln, 50%.
- 4210-20 Tr chert.
Anhy 10%, as above.
Ls 40%, as above.
Silt as above, 50%.
- 4220-30 Anhy 30%.
Ls 30%.
Silt 40%.
- 4230-40 Anhy 40%.
Ls 20%.
Silt 40%.
- 4240-50 Chert, blk, 10%.
Ls, gry to blk, v hard, some silty, foss, 80%.
Silt, calc, 10%.
- 4250-70 Chert, gry to blk, 20%.
Ls as above, 60%.
Silt, gry, calc, 20%.
- 4270-80 Chert, li gry to blk, 20%.
Ls, some gry to blk, hard, dense, foss, some pink to
white, soft, 60%.
Silt, gry, v cal, 20%.

- 4280-90 Chert, some brn, some gry, some blk, 30%.
Ls, gry to blk, dense, silty, 50%.
Silt, gry, very cal, 20%.
- 4290-4300 Chert, gry to wh, mostly opaque, some sl cal, 40%.
Ls, wh, dense, hard, 40%.
Gry silt, 20%.
- 4300-10 Chert as above 10%.
Ls gry to wh, 70%. (silty)
Silt, gry, 20%.
- 4310-20 Trace chert.
Anhy 10%.
Silt, gry to tan, soft, almost shale, 80%.
Ls as above, 10%.
- 4320-30 Anhy 20%.
Chert, brn, transl, 20%.
Ls, gry, dense, 30%.
Silt as above, 30%.
- 4330-40 Chert, brn, trans on edges, 15%.
Ls, brn, mottled, sandy, 70%.
Silt, 15%.
- 4340-50 Anhy, wh, xln, 30%.
Ss, gry, cal, v fi grd, friable, 30%.
Silt, gry, 10%.
Ls, brn to brnsh gry, mottled, foss, some xln, 30%.
- 4350-60 Anhy, 20%.
Ss as above 10%.
Silt as above 20%.
Ls, brn to tan, dense to xln, 50%.
- 4360-70 Anhy 20%.
Ss 20%.
Silt 30%.
Ls 30%. (All as above)
- 4370-80 Chert, wh, partially transl, 10%.
Silt, 10%.
Ls, tan to gry, dense to fi xln, 80%.
- 4380-90 Chert as above, 10%.
Ls, gry to brnsh gry, some dense, some silty, 60%.
Silt, 30%. (gry-brn, v cal).
- 4390-4400 Trace chert.
Ls, gry to wh, fi xln to earthy, 60%.
Silt, gry to brn-gry, v cal, 40%.
- 4400-10 As above.
- 4410-20 Ss, fi grd, clear to wh, sub ang, v friable, 30%.
Ls, mostly soft white, some pink, 40%.
Silt, gry to tan, 30%.
- 4420-30 Ls, gry to tan, dense, 70%.
Silt, gry to greenish gry, 30%.
- 4418 Circulated sample. 10' drilling break. 80% ss, fi
grd, mostly loose grains, sub ang, wh to clear.
Silt 20%.
- 4430-40 Ls 90%. (gry to tan, mostly dense)
Gry silt, 10%.
- 4440-50 Ss, fi grd, sub ang to sub round, v friable, some
greenish, 50%.
Ls 30%.
Silt 20%.

- 4444 Circ. sample, 14' drilling break. As above.
4450-60 Ss, some as above, some v soft with clay matrix, greenish to wh to pink, 70%.
Ls, gry, dense, to sandy, 20%.
Silt, 10%.
- 4460-70 Ss as above 20%.
Ls as above 20%.
Silt gry to blk to brn 60%.
- 4470-80 Ss fi to med grd, pinkish, wh, friable, 20%.
Ls, gry to tan, dense, some sandy, 30%.
Silt, 50%.
- 4480-90 Shale, blk, 20%.
Ls, gry to wh, dense to fi xln, 30%.
Silt, gry to tan, 30%.
- 4490-4500 Ls, gry to wh, dense to fi xln, 70%.
Silt, some gry, some greenish gry, greenish gry is mica, 20%.
Blk shale, 10%.
- 4500-10 Ls as above 70%.
Silt 10%.
Shale, mostly blk, some lt gry, 20%.
- 4510-20 Ls, li gry to tan, dense, some sandy, 90%.
Sh as above, 10%.
- 4520-30 Ls as above becoming more silty, 80%.
Silt, gry, v cal, 20%.
- 4530-40 Anhy 10%.
Silt, gry, 10%.
Ls, wh, dense to xln with calcite stringers, some sandy, some fossiliferous, 80%.
- 4540-50 Silt as above, 10%.
Ls as above, 60%.
Ls, v dolo, gry to tan, fi suerosic, cal, some silty, 30%.
- 4550-60 Silt 10%.
Ls, dolomitic, as above, 90%. (Anything less than 10% HCl would make this dolomite.)
- 4560-70 Ls, v dolo, as above, 100%.
- 4570-80 Ls, brn, v dolo, fi suerosic, 60%.
Shale, gry-green, soft, 40%.
- 4580-90 Ls, 70%, 50% as above, 20% wh to gry, dense.
Shale, gry to greenish gry to blk, 30%.
- 4590-4600 As above.
- 4600-10 Ls, wh, soft, dense, 80%.
Shale, dk gry, 10%.
Chert, brn, transl, 10%.
- 4610-20 Ls, gry to tan, mostly dense, some mottled, 90%.
Chert, brn, transl, 10%.
- 4620-30 As above.
- 4630-40 Ls, brn to tan, some mottled, dense to fi xln, some dolo, 90%.
Chert, some brn, some clear, 10%.
- 4640-50 Ls as above becoming silty, 80%.
Anhydrite, wh, xln, 10%.
Chert as above 10%.

- 4650-60
 Trace chert & anhy.
 Ls, tan to wh, mostly & silty, 80%.
 Shale, 20%. (Possibly cavings)
- 4660-70
 Chert, some clear, some tan, mottled, opaque, 20%.
 Ls, tan to gry, sandy, 60%.
 Shale, gry to gry green, 20%.
- 4670-80
 Chert as above, 10%.
 Ls as above, & hard, some cherty, 70%.
 Shale as above, 20%.
- 4680-90
 Ls as above, some sandy, 70%.
 Shale, dk gry, silty, 30%.
- 4690-4700
 Ls, gry to wh, wh is sandy, 80%.
 Sh, gry to blk, some silty, 20%.
- 4700-10
 Chert, some clear, some tan, 10%.
 Ls, 90%. 60% of this is wh, some sandy, some dense.
 10% is brn dolomitic.
- 4710-20
 Chert as above, 20%.
 Ls, mostly dense to silty, wh, soft, 70%.
 Anhydrite, 10%.
- 4720-30
 Chert as above, 20%.
 Ls as above, 60%.
 Shale 20%. (gry, some silty).
- 4730-40
 Ls as above, 20%.
 Silt 20%. (gry, mica).
 Shale, gry to blk to brnish gry, 60%.
- 4740-50
 Ls as above, 30%.
 Silt 20%.
 Shale 50%.
- 4750-60
 Anhydrite 10%.
 Chert, tan, translu, 10%.
 Shale, mostly blk, sl silty, 30%.
 Ls, gry to wh, mostly silty, 50%.
- 4760-70
 Shale as above 40%.
 Limestone gry to wh, some silty, some cherty, 60%.
- 4770-80
 As above except some ls brn, dense.
- 4780-90
 Chert, tan to clear, 10%.
 Anhydrite 10%.
 Shale as above 20%.
 Ls, tan to wh, mostly soft, dense, 60%.
- 4790-4800
 Chert as above 20%.
 Anhydrite 10%.
 Shale 20%.
 Ls 50%.
- 4800-10
 Ss, tan, & friable, fl grad, 20%.
 Anhydrite 10%.
 Chert 10%.
 Ls 50%.
- 4810-20
 Ss as above 20%.
 Chert 20%.
 Anhydrite 10%.
 Ls 50%. (All as above.)
- 4820-30
 Chert, mostly tan, translu, 20%.
 Anhy, 10%.
 Shale, gry to greenish gry, 20%.
 Ls, gry to tan, dense, 50%.

- 4830-40 Chert, some tan, some wh, tripolitic, 20%.
Shale, gry to blk, 30%.
Ls, tan, dense, 50%.
- 4840-50 Anhydrite 10%.
Chert as above 10%.
Ss, fi grnd, friable, 10%.
Ls as above, 50%.
Shale, 30%.
- 4850-60 Chert, tan, transl, 10%.
Ls, tan to li brn, ad, v sandy, calcarenite, v dolo, 80%.
Shale, 10%.
- 4860-70 Chert, some as above but mostly wh, some clear, some tripolitic and opaque, 30%.
Ls (calcarenite) as above, 60%.
Shale, 10%.
- 4870-80 Chert, mostly wh, clear to tripolitic, 20%.
Ss, tan, v fi grnd, friable, 30%.
Shale, gry to gry-green, 10%.
Ls, some as above, some dense, tan, 40%.
- 4880-90 Chert as above, 10%.
Ss as above, 10%.
Sh as above, 20%.
Ls, some tan, dense, some v sandy & dolo, 60%.
- 4890-4900 Chert as above, 10%.
Shale, 20%.
Ls, mostly tan to wh, dense, some fossil, 70%.
- 4900-10 Chert as above 10%.
Shale 20%.
Ls, some brn, mostly white, dense, some sandy, some fossil, foram, oolites, 70%.
- 4910-20 Ss, gry, v fi grnd, calc, 10%.
Sh, gry, silty, 20%.
Ls as above, 70%.
- 4920-30 Chert, mostly gry, speckled, opaque, 20%.
Shale, gry, 10%.
Ls, tan to wh, some sandy, some fossil, 70%.
- 4930-40 Chert as above, 30%.
Sh as above 10%.
Ls as above, 60%, with trace anhydrite.
- 4940-50 Chert, mostly gry, some tan, tr anhy, 20%.
Sh, gry, silty, 20%.
Ls, mostly tan, mostly sandy, some dense, fossil, 60%.
- 4950-60 Chert as above, some v brittle, 30%.
Shale as above 20%.
Ls as above 50%.
- 4960-70 Chert, wh to brn, 20%.
Shale, grays, brns & greens, 30%.
Ls, tan to brn, some v sandy, tr anhy, 50%.
- 4970-80 Chert, brn, transl, brittle, 30%.
Dolo, brn, fi sucrosic, 20%.
Shale, gry, silty, 30%.
Ls, wh to tan, fi xln to dense, 20%.
- 4980-90 Chert, brn, opaque to transl, brittle, 40%.
Dolo as above, 20%.
Ls as above 20%.
Shale as above 20%.

- 4990-5000 Chert as above, 40%.
Ls 40%.
Shale 20%.
- 5000-10 Chert as above, 30%.
Ls gry to tan 70%. (mostly dense, some silty)
- 5010-20 Chert, brn, translu, tr opaque, 30%.
Shale, gry to blk, 10%.
Ls, mostly tan to brn, some wh, some dense, some silty, 60%.
- 5020-30 Chert as above 30%.
Ss, wh, v fi grnd, v soft, 10%.
Silt, gry, v soft, 20%.
Ls as above 40%.
- 5030-40 Chert, 20%, as above.
Ss, 20%, as above.
Silt, 20%, as above.
Ls as above becoming sandy, 40%.
- 5040-50 Chert, some brn, some wh, 10%.
Ss, mostly v soft, friable, tan to gry, cal, v f to fi
grnd, some hd, silica cement with sponge spicules (?) 50%.
Sh, gry to blk, 10%.
Ls, tan, dense to silty, 30%.
- Core out drilling; break in ss at 5049.
- 5050-60 Ls above.
- 5060-70 Chert, brn, translu, 10%.
Sh, gry, 10%.
Ss, mostly fi to med grnd, v cal, "calcarenite", some
hard, silicious, 60%.
Ls, dense, tan, 20%.
- 5070-90 Sh, as above; tr brn chert, 10%.
Ss as above 80%.
Ls, tan to wh, dense, 10%.
- 5090-5100 Sh, gry to blk as above, 10%.
Ss as above 70%.
Ls as above 20%.
- 5100-10 Sh as above 10%.
Ss, still mostly tan, v friable, soft, v cal, 70%.
Ls, gry to tan, dense to silty, 20%.
- 5110-20 Chert, tan to brn, mottled, translu, 20%.
Shale, 10%.
Ls as above 20%.
Ss 10%, as above.
Silt, gry to tan, calc, friable, 40%.

- 5120-30 Chert as above, 20%.
Shale, blk, hard, silty, as above, 30%.
Ls as above, 10%.
Silt 30%, as above.
Ss as above, 10%.
- 5130-40 Chert 10%.
Shale 30%.
Ls 10%.
Silt 20%.
Ss 20%.
- 5140-45 Ls, tan, dense, 10%.
Ss, v fi grnd, gry, friable, 10%.
Shale, blk, very silty, dolomitic, grades to silt size, 80%.
- 5145-50 Ls as above with tr ss, 10%.
Silt, blk to dk brn, v dolo, 50%.
Shale as above, 40%.
- 5150-55 Ls, gry to tan, dense to fine xln, 20%.
Dolo, brn, fi sucrosic, 10%.
Silt, 40%.
Shale, 30%. Both silt & shale, blk to brnsh, black dolomitic, hard.
- 5155-60 Ls, as above, trace dolo, 10%.
Ss, tan, v fi grnd, soft, 10%.
Silt, 60%.
Shale, some dolo, some calc, 20%.
- 5160-70 Anhydrite, wh, sucrosic, 10%.
Chert, 10%, some tan, translucent, some wh, opaque.
Ss, white, v fi grnd, friable, 20%.
Ls as above 10%.
Silt, some dolo, some calc, brn, hard, 40%.
Dolo, brn, sucrosic, 10%.
- 5170-80 Ss as above, 10%.
Chert as above, 10%.
Silt as above, 30%.
Ls, gry to tan, dense to silty, 50%.
- 5180-90 Chert, tan, translucent, 10%.
Ss as above, 10%.
Silt, brn to gry, 30%.
Ls, tan to brn, mostly silty, 50%.
- 5190-5200 Ss, v fi grnd, wh to gry, firm, 30%.
Ls as above, 40%.
Silt, gry to brn, cal, 30%.
- 5200-10 Anhydrite, 20%.
Ss, v fi grnd to silt size, wh to gry, sli cal, 40%.
Silt, gry, 10%.
Ls, tan, dense to silty, 30%.
- 5210-20 Anhydrite 10%.
Ss as above 10%.
Ls, brn to tan, some dense, some very silty, 40%.
Silt, cal, tan to gry, 40%.
- 5220-30 Anhydrite, 10%.
Shale, blk, 10%.
Ls, tan to brn, some dense, some sandy, 30%.
Silt, grades to v fi sd, friable, tan, sli cal, 50%.

- 5230-40 Chert, some milky, some tan translu, 10%.
Shale, some blk, some tan silty, v soft, 20%.
Ls as above, 20%.
Ss, loose, round to sub-round, fi to med grd, 10%.
Silt, as above, 40%.
- 5241-Circulation Sample. 10% chert as above, 20% ss as above,
30% shale as above, 10% ls, 30% silt.
- 5240-50 Trace chert.
Ss, v fi grd, gry, friable, 10%.
Shale, black, 10%.
Ls, tan to gry, some dense, some very silty, 30%.
Silt, some grading to very fine ss, mostly gry, some
tan, 50%. About 30% of this, very pale blue fluor
with fair cut.
- Depth Correction, TD 5255 back to 5240.
- 5250-60 Anhydrite, 10%.
Ls, brn, dolomitic, fi grd, 20%.
Shale, blk, 10%.
Silt, as above, all traces of fluor, 60%.
- 5268, Circ. sample, drilling break. 50% anhydrite, 30% silt,
20% ls.
- 5268-5300 Probably 100% salt.
Saturated mud with salt at 5336.
- 5300-40 No returns, probably 100% salt.
- 5340-88 Samples about 50% salt and 50% cavings. Probably
100% salt.
- 5388-5400 Shale, gry to blk to grn, 20%.
Anhydrite, 10%.
Ss, tan to gry, v fi grd to silt (poss. cavings) 20%.
Ls, mostly tan, dense, 30%.
Dolo, tan, silty, 20%.
- 5400-10 Anny, trace salt, 10%.
Ss, wh to gry, fi grd, 10%.
Silt, gry to tan to grn, 20%.
Shale, gry to blk to greenish gry, 20%.
Ls as above 20%.
Dolo as above 20%.
- 5410-20 Salt, clear, dense, possibly cavings, 30%.
Shale as above 10%.
Ss as above 20%.
Silt, 10%.
Ls, 20%.
Dolo, 10%.
- 5420-30 Salt 30%.
Anhydrite 10%.
Shale 10%.
Ss, v fi grd, mostly gry, 20%.
Ls, tan, silty, 20%.
Dolo, tan to gry, 10%.
- 5430-40 Salt 30%.
Anhy 10%.
Blk shale 10%.
Dolo 20%.
Ls 10%.

- 540-50 Ss, gray to tan, v fi grnd, grades to silt size, friable, 50%.
Anhydrite, 10%.
Ls 30%.
Dolo as above, 10%.
- 5450-60 Salt 20%.
Ss some friable, some hard dolo, 40%.
Shale, blk, silty, 10%.
Ls, 20%.
Dolo as above, 10%.
By drilling time 100% salt.
- 5460-5520 100% salt by drilling time. Samples 70-90% salt, rest isavings.
- 5520-30 Sample mostly salt but by drilling time probably shale and dolomite.
- 5530-5610 All samples 70-90% salt and anhydrite. Remainder of sample shale, silt, ss, ls, dolo, could be savings. Some salt with orange-red inclusions.
- 5610-40 Increase in anhydrite. 30% salt, 50% anhydrite, 20% silt, tan, micaceous (Poss. savings). Some salt with orange inclusions.
- 5640-50 Salt 20%.
Anhydrite 30%.
Silt 10%.
Dark colored evaporite (?) 20%.
- 5650-60 Anhydrite 20%.
Shale, gry to blk, 20%.
Dolo, tan, fi, sacrosic, 10%.
Silt, tan to gry, silty, grades to v fi grnd ss, 50%.
Salt 10%.
- 5660-70 Anhydrite 30%.
shale, some blk, carbon, some gry, silty, 30%.
Silt, gry, friable, grades to ss, 30%.
- 5670-80 Anhydrite 30%.
Shale as above, 30%.
Silt as above 20%.
Dolo, tan, fine, sacrosic, 20%.
- 5680-90 Anhy 30%.
Shale, silty, 20%.
Dolo 20%.
- 5690-5700 Anhy 30%.
Shale 20%.
Silt, 30%, very friable, tan.
Dolo, tan, dense to frosty, 20%.
- 5700-10 Anhy 20%.
Shale 20%.
Silt as above, 40%.
Dolo as above 20%.
- 5710-20 Anhy 20%.
Shale black 10%.
Silt as above 60%.
Dolo as above 10%.

5720-30 Salt 20%.
Anhy 20%.
Dolo 10%.
Black shale 20%.
Silt 30%.

Top of salt 5709.

Base salt 5830.

5830-40 Salt 20%.
Anhy 20%.
Blk carbon shale (gas kick) 40%.
Silt, tan, v friable, 20%.

5840-50 Salt 20%.
Anhy 20%.
Shale 50%.
Silt, 10%.

Top salt 5950

Base salt 5906

5906-10 All salt.

5910-20 Sh, blk, carb, 10%.
Anhy, 10%.
Salt, 80%.

5920-30 Salt, clear, white with trace of carnotite, 80%.
Anhydrite, gry, white, 10%.
Shale, blk, carb, 10%.

5930-40 Dol, gry, silty, with some very limey, with some
anhydrite inclusions, 40%.
Sh as desc above with trace marcasite, 20%. (inclusions)
Salt as above, 20%.
Anhy as above, 20%.

5940-50 Shale, blk, carb, v sil calc, 90%.
Anhy as above, 10%.

5950-60 Sh as above, 60%.

Anhy, wh-gry, 30%.

Dol, dk gry-grs, some with ben cast, v silty, 10%.

5960-70 as above.

5970-80 Anhy as above, 60%.

Dol as above, 20%.

Shale as above, 20%.

5980-90 Anhy as above, 50%.

Shale as above, 10%.

Dol as above, 40%.

5990-6000 Sample as above.

6000-10 Dol, gry with tr buff, v silty, 60%.

Anhy, 30%.

Shale, 10%.

6010-20 Dol, gry, v silty with some anhy inclu, 50%.

Anhy, wh, gry, tr gyp wh, xln, 30%.

Shale, blk, carb, v sil calc, 20%.

6020-30 Dolo, as desc above, 70%.

Anhy as above, 20%.

Shale as above, 10%.

6030-40 Sample as above with tr dol, buff, mottled gry, xln,
dense.

- 6040-50 Dol, tan, microxln, dense, Dull yellow fluor,
no cut, 20%.
Dol as desc above, 30%.
Ls, gry with brn cast, microxln, dense, dull yellow
fluor, no cut, 10%.
Anhy as desc above, 20%.
Shale as desc above, 10%.
- 6050-60 Ls as desc above, 40%.
Dol as desc above, 20%.
Shale as desc above, 30%.
Anhy as desc above, 10%.
- 6060-70 As above.
- 6070-80 Ls, gry with brn cast, microxln, dense, with some
calcite veining, 50%.
Dol, gry-tan, v silty approaching siltst with some
dol, dk brn microxln, with anhy incl, 20%.
Anhy, wh-gry, with some blk shale part, 20%.
Good percentage of anhydrite washing out.
Shale, blk, carb, 10%.
- 6080-90 Ls as above, 30%.
Dol as above, 30%.
Anhy as above, 30%. (Tr ss, tan, with some orange cast,
Sh as above, 10%. fg, sub rd, sil fri to well com.)
- 6090-6100 (Large per cent anhy washing out of sample).
Sample as desc above.
- 6100-10 Ls, gry with brn cast, microxln, dense, trace calcite
inclusion, trace anhy inclus, 30%.
Dol, tan with some mottled gry dense, tr anhy filled
fracts, 40%.
Trace shale, maroon, soft.
Anhy as above 20%.
Shale as above 10%.
- 6110-20 Sample as desc above with trace orange cast.
- 6120-30 Dol, gry, v silty, with some anhy inclus, 50%.
Anhy as above 20%.
Ls as above 20%.
Shale as above 10%.
- 6130-40 Dol as above 50%.
Ls as above 30%.
Sh as above 10%.
Anhy as above 10%.
Trace orange chert & lavender shale.
- 6140-50 Ls as above with tr ls gry, chalky, 50%.
Shale, gry, sil calc, 10%.
Shale, blk, carb, 10%.
Dol as above, 30%.
- 6150-60 Trace ss, tan, v f gr, tr anhy.
Ls, gry, argill, chalky (Good o/c washing out of
sample), 30%.
Ls, tan-brn, microxln, dense, with some fracturing,
calcite & anhy filled, 40%.
Anhy, white, some appears to be inclusions, 10%.
Sh, blk, carb, 10%.
Trace orange, red chert.
Tr pink sil dol.

- 6160-70 Ls, chalky, as above, 30%.
Ls, tan-brn, as above (appears to have chalky ls interbedded) 60%.
Anhy wh & sh blk carb, 5%/5%.
Tr dol, gry, silty.
- 6170-80 Ls, chalky, as above, (very high % washed out of sample) 70%.
Ls, brn, as above, 30%.
(Very poor sample)
- 6180-90 Ls, chalky, as above, 50%.
Ls, tan-brn, as above, 10%.
Anhy, white, 10%.
- 6190-6200 Ls, chalky, as above, 50%.
Ls, tan-brn, as above, 30%.
Dol, dk gry, dense, 10%.
Anhy, white, 10%.
Trace gr-grn, maroon shale.
- 6200-10 Ls, chalky, as above, 40%.
Ls, tan-brn, 50%.
Shale, blk, carb, 5%.
Anhydrite, white, 5%.
- 6210-20 Ls, chalky, as above, 10%.
Ls, buff, tan, gry, microxln, dense, with some calcite veining, some anhy inclus, 70%.
Anhyd, white, 10%.
Shale, blk, carb, 10%.
- 6220-30 Chert, brn, opaque, 20%.
Ls, chalky, as above, 30%.
Ls, tan-brn, as above, 40%.
Shale, blk, carb, 10%.
- 6230-40 Chert as above with some tan chert, 30%.
Ls, chalky, as above, 30%.
Ls, gry with brn cast, all oolitic in part, dense, 30%.
Tr sh, blk carb.
- 6240-50 Chert as above, 20%.
Ls, chalky as above, 20%.
Ls, tan-brn, with some v sandy, dense, 60%.
- 6250-60 Chert as above, 20%.
Ls, chalky, as above, 20%.
Ls, tan-brn, some as desc above with some v dol, 50%.
Sh, blk, carb, 10%.
- 6260-70 Chert as above, 10%.
Ls, chalky as above, 20%.
Ls, tan-gry-cream, as above with trace coral (chaetes?)
Trace tan-cream dol, dense, no show.
- 6270-80 Chert, as above, 10%.
Ls, chalky, as above, 20%.
Ls, tan-brn, gry, as above, 70%, with trace coral.
- 6280-90 Chert, black to dk brn, 15%.
Ls, chalky as above, 20%.
Ls, tan-brn as above with trace anhy & carb stylolite inclusions, 65%.
Tr ss, gry, f gr, well consol.
- 6290-6300 Very poor sample. (As described above).

- 6300-10 As desc. in previous sample.
 6310-20 Ls, chalky, as desc. in previous sample, 40%.
 Ls, tan-brn, as preceding sample, 50%.
 Sh, blk, carb, 10%.
- 6320-30 Ls, chalky, as above, 30%.
 Shale, blk, carb, as above, 20%.
 Ls, tan-brn, as above, 50%.
- 6330-40 Sample as above.
 6340-50 Ls, chalky, as above, 30%.
 Shale, blk, carb, 20%.
 Ls, tan-brn, as above, with tr coral, 50%.
 Tr ss, wh, pink, f gr.
- 6350-60 Ls, chalky as above, 20%.
 Chert, tan, brn, opaque, trace.
 Sh, (argillite) blk, calc, with some calcite veining, 20%.
 Ls, tan-brn, as desc ab, some becoming v dol, 60%.
 Tr ss as above.
- 6360-70 Ls, wh-cream, chalky, 50%.
 Shale, blk, carb, 10%.
 Ls, tan-brn, 40%.
 Tr chert, brn, opaque.
- 6370-80 As above.
 6380-90 Ls, wh-cream, chalky, dense (good percentage washing out of sample) 60%.
 Ls, gry with brn cast-tan, micropin, dense, 30%.
 Sh, blk, carb, 10%.
- 6390-6400 Sample (as desc above) Trace anhy inclusion in gry ls.
 6400-10 Ls, chalky as above, 50%.
 Ls, tan-gry, as above, 40%.
 Shale, blk, as above, 10%.
 Trace orange, red, green sh.
 Trace pink ady dolomite.
- 6410-20 Ls, chalky, as above, some with pink staining, 40%.
 Ls, tan-brn, gry, as above, 60%.
 Trace chert, blk opaque, tr red shale.
- 6420-30 Sample as above with trace red, grn, orange shale, trace lavender mottled sand.
- 6430-40 As above.
- Gove #1. 6440-6471. Cored 31'. Full Recovery.
 6440-6471 Shale, red with some mottled gry, green-gry, mudstone incl scattered throughout. Numerous slickensides throughout core. (Interval 6453-56, ls. inclusions, ls gry, argill, dense.)
- 6471-80 Ls, wh, chalky, as above, 30%.
 Ls, tan-brn, as above, 20%.
 Shale, blk, carb, silty, 20%.
 Sh, red-gry/mottled, trace purple, 30%.
- 6480-90 Ls, chalky (washing out of sample) 20%.
 Shale, red, gry, trace purple, 80%.

- 6490-6500 Shale, red, purple, grn, soft, 80%.
L, wh, sli chalky, microxln, dense, 20%.
- 6500-10 Sh as above, 70%.
Ls as above, 30%.
- 6510-20 As described above.
- 6520-30 As described above.
- 6530-40 Shale, varicol as above, 80%.
Ls, cream-gry, microxln, dense, 20%.
- 6540-50 Sample as above with some sh having calcite veining.
- 6550-60 As above.
- 6560-70 As above with trace chert, orange, tan.
- 6570-80 As above.
- 6580-90 Ls as above, 90%.
Ls as above, 10%.
- 6590-6600 As above.
- 6600-10 Sh, pred red, trace grn, gry, purple, soft (washing
out of samples) 90%.
Ls, lt gry-gry, trace chalky, microxln, dense, 10%.
- 6610-20 Sh as above, 80%.
Ls as above, 20%.
Trace chert, tan, opaque; trace anhy incl.
- 6620-30 Sh as above, 70%.
Ls as above, 30%.
Trace dol, cream, microxln, dense, no apparent por;
Trace chert as above.
- 6630-40 Sh as above 40%.
Ls, cream-white, chalky, with few minute red shale
partings, 30%.
Ls, tan-cream, microxln, dense, v dol in part, 20%.
Chert, tan, translucent 10%.
- 6640-50 Ls, cream-white, chalky, with red shale partings, 40%.
Shale as above, 30%.
Dol, cream-tan, microxln, dense, 20%.
Chert as above, 10%.
- 6650-60 Ls, cream-white, chalky, as above, 50%.
Dol, cream-tan, 20%. (as above)
Shale as above, 20%.
Chert as above, 10%.
- 6660-70 Ls, chalky, as above (good % wash out of sample) 70%.
Dol as above 10%.
Shale as above 20%.
- 6670-80 Ls, chalky, as above, 70%.
Dol, as above, 10%.
Shale, as above, 20%.
- 6680-90 Sample as described above, (trace tan chert, translus;
trace ls, gry, vug? por, n. s.)
- 6690-6700 Ls, chalky, as above with minute red shale partings, 70%.
Dol as above, 20%.
Shale as above, 10%.
- 6700-10 As above.
- 6710-20 As above.
- 6720-30 Ls as above 80%.
Shale as above 10%.
Dol as above 10%.

- 6730-40 As described in preceding sample.
6740-50 Ls, chalky, as above, 60%.
Dol, gry with brn cast, dense, some microxln, cal
veining, brill yellow mineral fluor, trace tan dol
as above, 30%.
Shale as above, 10%.
- 6750-60 Ls, chalky, as above, 60%.
Dol as above, 30%.
Shale as above, 10%.
- 6760-70 As above.
6770-80 Ls, chalky, as above, 70%.
Dol, as above, 20%.
Shale, as above, 10%.
- 6788 Circulated sample.
Ls as above, 60%.
Dol as above 20%.
Shale as above 10%.
- 6780-90 Sample as described above.
6790-6800 Ls, chalky, as above, 60%.
Dol as above 30%.
Shale as above, 10%.
- 6800-10 As above.
6810-20 Ls, chalky, as above, 70%.
Dol as above, 30%.
- 6820-30 Ls as above 50%.
Dol as above, 40%.
- 6830-40 Ls as above, 40%.
Dol, buff-tan, sp-vug por, calcite vein fract, tr
pink dol rombs, 60%.
- 6685-6846
DST #4. Recovered 1580' fluid. 900' muddy water, str sulf odor.
680' black sulfur water.
ISIP 2040/30"
IF 195
FF 865/1'
FSIP 2040/1'
IH 3870
MI 3860
BIT 104°
- 6840-50 Ls as above 60%.
Dol as above 40%.
Great amt red shale cavings.
- 6850-60 As above.
6860-70 Ls as above 50%.
Dol as above 50%.
Red shale cavings.
- 6870-80 As above.
- TD Welox 6881
Driller 6886



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U ah 09602-3

Unit _____
11-15
1023

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)

Hoover Federal _____ October 8, _____, 1958

Well No. 1 is located 2100 ft. from N line and 660 ft. from E line of sec. 20

NE 1/4 Sec. 20 T29S R15E SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wilceat Wayne County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6245 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)

Plan to abandon well at a T. D. of 6886' and intend to set plugs as follows:

- 6575-6625 - 25 sax
- 5085-5135 - 25 sax
- 3630-3680 - 25 sax
- 2180-2230 - 25 sax
- 1290-1340 - 25 sax

25 sax in and out of 10 3/4" casing at 734'.
15 sax at surface to plug surface and set marker.

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

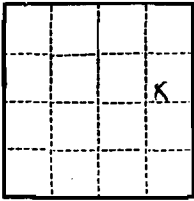
Company Continental Oil Co.

Address Box 1121

Durango, Colorado

By PS Farrelly
Title Geologist

W



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. Utah 09602-B

Unit _____

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.....	<input checked="" type="checkbox"/>
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)

Hoover Federal

November 3, 1958

Well No. 1 is located 2100 ft. from N line and 660 ft. from E line of sec. 20

NE 1/4 Sec. 20 T29S R15E SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Wayne County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6245 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)

Plugs were set in subject well as follows:

- 6625-6545 30 sax
- 5135-5043 35 sax
- 3680-3588 35 sax
- 2230-2138 35 sax
- 1340-688 50 sax
- 15 sax in top surface pipe & marker set.

Location cleaned up and ready for inspection.

To be set 12/31

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

Company Continental Oil Company

Address Box 1121

Durango, Colorado

By W. Farrelly

Title Geologist

W

MEMO

Re: Date: 4/17/59

Well: Conoco Hoover Federal #1

Location: Sec. 20, T. 29 S, T. 15 E, Wayne County, Utah

Status: P & A

Location cleaned up, cellar and pits filled. Condition satisfactory.

H. G. Henderson

HGH/cp

cc: Don Russell
USGS
Salt Lake City, Utah