Scout Report sent out ☑

Noted in the NID File ☑

Location map pinned ☑

Approval or Disapproval Letter ☑

Date Completed, P. & A. or operations suspended

Pin changed on location map ☐

Affidavit and Record of A & P ☐

Water Shut-Off Test ☐

Gas-Oil Ratio Test ☐

Well Log Filed ☑

**FILE NOTATIONS**

Entered In N I D File ✓

Entered On S R Sheet ✓

Location Map Pinned ✓

Card Indexed ✓

I W R for State or Fee Land

COMPLETION DATA:

Date Well Completed 5-28-58

OW ..... WW ..... TA .....

GW ..... OS ..... PA X

Drillers Log 7-9-58

Electric Logs (No. ) 5

E ✓ I ..... E-I ✓ GR ..... GR-N ✓ Micro ✓

Lat ..... Mi-L ..... Sonic ..... Others Dipmeter

Checked by Chief ✓

Copy N I D to Field Office ✓

Approval Letter ✓

Disapproval Letter

Location Inspected

Bond released

State of Fee Land 3-21-60

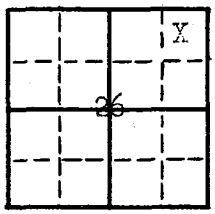
LOGS FILED

Form OGCC-1

(SUBMIT IN DUPLICATE)

LAND:

Fee and Patented ☒
State ☐
Lease No. .....
Public Domain ☐
Lease No. .....
Indian ☐
Lease No. .....




STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

# SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|---|---|---|
| Notice of Intention to Drill | X | Subsequent Report of Water Shut-off | |
| Notice of Intention to Change Plans | | Subsequent Report of Altering Casing | |
| Notice of Intention to Redrill or Repair | | Subsequent Report of Redrilling or Repair | |
| 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)

December 11, 1957

Miller Creek
Well No. #1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of Sec. 26

NE 26 (¼ Sec. and Sec. No.) | 15S (Twp.) | 10E (Range) | SLBM (Meridian)

Wildcat (Field) | Carbon (County or Subdivision) | Utah (State or Territory)

The elevation ~~of the derrick floor above sea level~~ is 5525 feet. (Approx. ground)

A drilling and plugging bond has been filed with State of Utah.

## 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 work, surface formation, and date anticipate spudding-in.)

Proposed Work:

1. Drill 12-1/4" hole to 1000'+. Find suitable shale body for casing setting point.
2. Open 12-1/4" hole to 17-1/2".
3. Run and cement 13-3/8" casing at 1000'± with 650 sacks treated cement.
4. Drill 9" hole to 11,000'±.
5. Provide for 100' of coring 9640-9740'± for structural & stratagrafic data.
6. Run logs needed.
7. Provide for 4 formation tests.
8. If commercial production is obtained a subsequent report will follow.

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

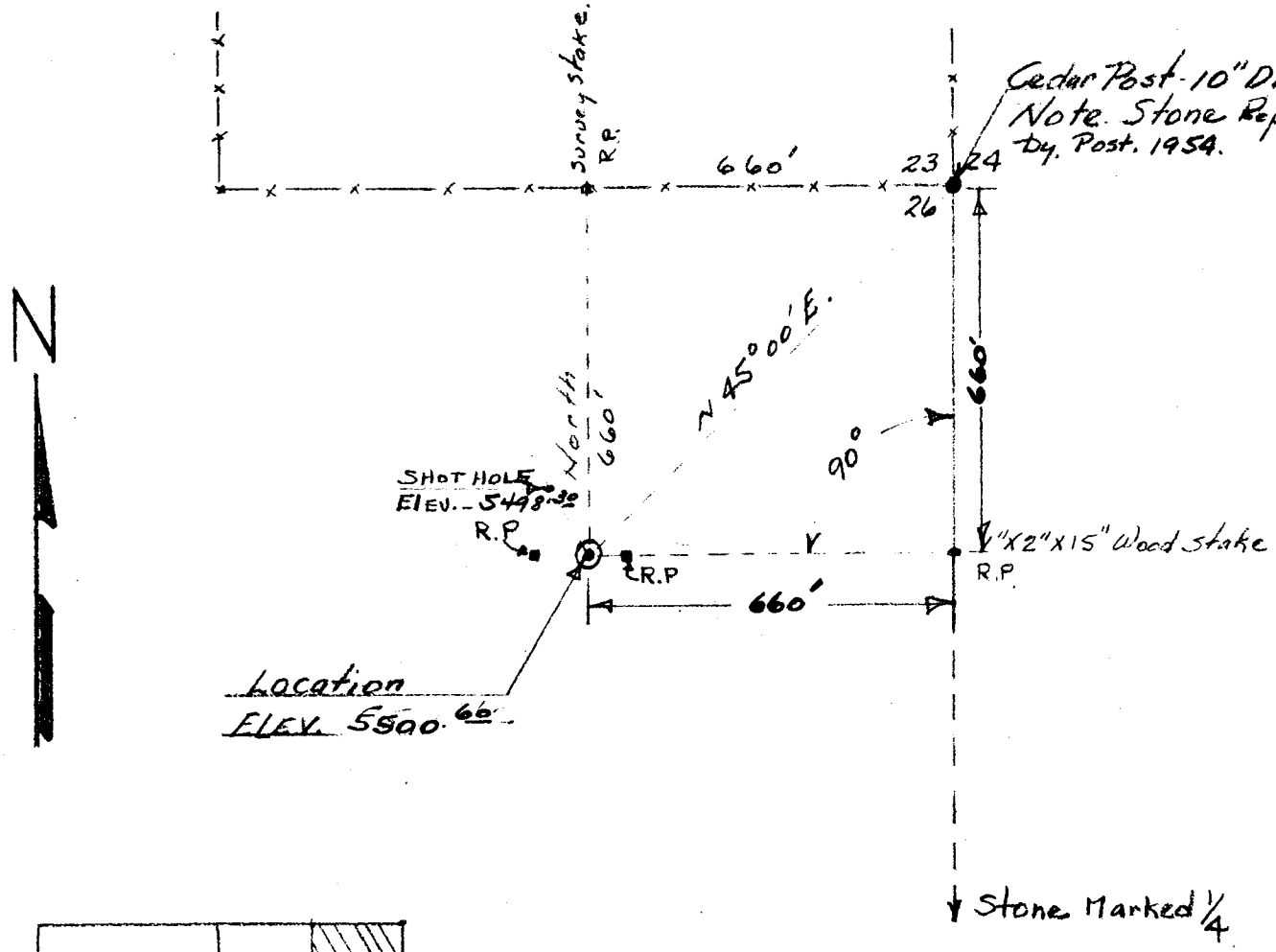
Company Shell Oil Company

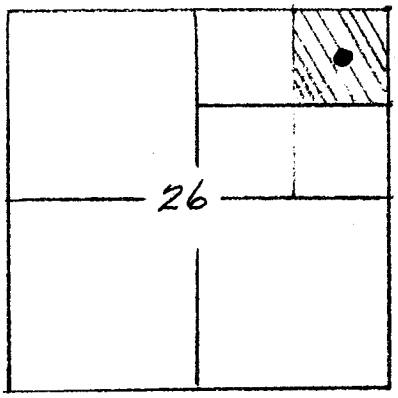
Address 101 South Behrend
Farmington, New Mexico

By B W Shepard
B. W. Shepard
Title Exploitation Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

W




This is to certify that the above plat was prepared from field notes of actual survey made by me and that the same is a true and correct copy to the best of my knowledge and belief.

John Bene

John Bene, Reg. Engineer &
Land Surveyor, Reg. No. 1050

SHELL OIL COMPANY

Well location: NE¼NE¼, Sec. 26, Township 15 South, Range 10 East, SLM, Carbon County, Utah

Nov. 25, 1957 Scale 1" = 330'

Drawn by: JOHN BENE

December 19, 1957

Shell Oil Company
101 South Behrend
Farmington, New Mexico

Attention: B. W. Shepard, Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Miller Creek 1, which is to be located 660 feet from the north line and 660 feet from the east line of Section 26, Township 15 South, Range 10 East, SLBM, Carbon County, Utah.

Please be advised that 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.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the folliwng named individuals by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged.

C. A. HAUPTMAN, Petroleum Engineer, Office phone: DA 2-4721, Ext. 438
Home phone: EM 4-6790

C. B. FEIGHT, Office phone: DA 2-4721, Ext. 438
Home phone: EL 5-3629

Address all other forms of communication to the Oil & Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City, Utah.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

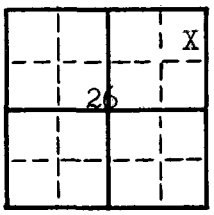
CLEON B. FEIGHT
SECRETARY

CBF:cn

Form OGCC-1 (SUBMIT IN DUPLICATE)

LAND:

Fee and Patented ☒
State ☒
Lease No. .....
Public Domain ☐
Lease No. .....
Indian ☐
Lease No. .....




STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

Noted
K 2-17

# 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 Altering Casing | |
| Notice of Intention to Redrill or Repair | | Subsequent Report of Redrilling or Repair | |
| Notice of Intention to Pull or Alter Casing | | Supplementary Well History | X |
| Notice of Intention to Abandon Well | | | |
| | | | |

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

January 24, 19 58

Miller Creek
Well No. #1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of Sec. 26

| NE 26 | 15 S | 10 E | SLBM |
|---|---|---|---|
| (¼ Sec. and Sec. No.) | (Twp.) | (Range) | (Meridian) |

| Wildcat | Carbon | Utah |
|---|---|---|
| (Field) | (County or Subdivision) | (State or Territory) |

Kelly Bushing
The elevation of the ~~derrick floor~~ above sea level is 5514.1 feet.

A drilling and plugging bond has been filed with State of Utah.

## 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 work, surface formation, and date anticipate spudding-in.)

(Spudded 1-7-58)

1-18,19-58 Ran and cemented 13-3/8" 48#, H-40 casing at 987' with 900 sacks treated cement. Good returns to surface. Flanged up and waited on cement. Tested BOP and casing with 1000 psi, OK.

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

Company Shell Oil Company

Address 101 South Behrend
Farmington, N. M.

By B W Shepard
B. W. Shepard
Title Exploitation Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

SJ

State of Utah
Oil & Gas Conservation Commission
Room 140 State Capitol Bldg.
Salt Lake City, Utah

PRINTED IN U. S. A.

# SHELL OIL COMPANY

Miller Creek
WELL NO. 1

Wildcat
(FIELD)
Carbon County, Utah
(COUNTY)

## DRILLING REPORT
FOR PERIOD ENDING
February 18, 1958

26
(SECTION OR LEASE)
T15S, R10E
(TOWNSHIP OR RANCHO)

| DAY | DEPTHS FROM | DEPTHS TO | REMARKS |
|---|---|---|---|
| | | | Location: 660' S and 660' W of NE Corner, Section 26, T15S, R10E, SLBM, Carbon County, Utah. |
| | | | Elevations: DF 5512.6' GR 5500.6' KB 5514.1' |
| 1-7 | 0 | 170 | Spudded 4:30 P.M., 1-7-58. Drilling 9" hole. |
| 1-8 to 1-9 | 170 | 491 | Drilled 321. |
| 1-10 | 491 | 603 | Drilled 112'. Well blew out at 582', gas blew for 6 hours, mixed weight material, killed gas flow. |
| 1-11 | 603 | 1045 | Cored 89'. Drilled 353'. Core #1 940-955 recovered 12'. Core #2 955-978 recovered 3', left 20' core in hole and core catcher. Ran junk sub recovered junk. Core #3 992-1018' recovered 26'. Core #4 1018-1045 recovered 27'. |
| 1-14 | 1045 | 1235 | Drilled 190'. Opened hole to 17-1/2" to 987'. Ran and cemented (973') 13-3/8", 48#, H-40 casing at 987' with 900 sacks cement, last 100 sacks treated with 2% calcium chloride. Good returns to surface. |
| 1-20 to 1-21 | 1235 | | Flanged up and waited on cement. Pressure tested casing and BOP with 1,000 psi, OK. |
| 1-22 | 1235 | 3326 | Drilled 2091'. Twisted off at 3282' leaving 4 drill collars in hole, recovered with overshot. |
| 2-2 to 2-6 | 3326 | 3950 | Drilled 624'. Lost 150 bbl. mud at 3830' add lost circulation material, recovered circulation. |
| 2-7 to 2-18 | 3950 | 5334 | Drilled 1399'. Lost circulation at 4585'. Recovered. Ran Electrical Survey at 5334'. |

**CONDITION AT BEGINNING OF PERIOD**

| HOLE SIZE | HOLE FROM | HOLE TO | CASING SIZE | DEPTH SET |
|---|---|---|---|---|
| | | | | |

DRILL PIPE SIZES

Charles Bremer, Jr.

PD 4A 2-50 PRINTED IN U. S. A.

# SHELL OIL COMPANY

## DRILLING REPORT
FOR PERIOD ENDING March 8, 1958

Miller Creek
WELL NO. 1

Wildcat
(FIELD)

Carbon, Utah
(COUNTY)

26
(SECTION OR LEASE)

T15S, R10E
(TOWNSHIP OR RANCHO)

| DAY | DEPTHS FROM | DEPTHS TO | REMARKS |
|---|---|---|---|
| 2-19 to 2-23 | 5334 | 5970 | Drilled 636'. |
| 2-24 | 5970 | | DST #1 5790 - 5970. Ran Halliburton tester with 7-3/4" ESA packers at 5784 and 5790, tail to 5970, perforations 5790-5803 and 5950-5970, three pressure recorders, 1" subsurface bean, 90' of air cushion. Initial shut in 30 min., open 1 hour, faint blow 20 min., dead remainder of test, final shut in 1 hour. Recovered 80' (0.6 bbls.) mud, very slightly gas cut and with spotty oil fluorescence under U V lamp, salinity 1600 ppm (t), wt. 9.6#/gal. Mud before test 1600 ppm(t) and 9.9#/gal. ISIP 75 psi (too much cushion), IFP 57 psi, FFP 75 psi, FSIP 187 psi (still rising slightly), HP 3160. |
| 2-24 | 5970 | 6271 | Drilled 301'. Twisted off at 6271 leaving 2 drill collars and stabilizer in hole. Recovered fish with overshot on 2nd run. |
| 2-28 to 3-8 | 6271 | 6720 | Drilled 449'. |

CONDITION AT BEGINNING OF PERIOD

| HOLE SIZE | HOLE FROM | HOLE TO | CASING SIZE | DEPTH SET |
|---|---|---|---|---|
| | | | | |

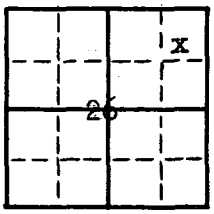
DRILL PIPE SIZES

Charles Bremer, Jr.
SIGNED

Form OGCC-1

(SUBMIT IN DUPLICATE)

LAND:




STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING

SALT LAKE CITY 14, UTAH

N-1K
4-28

Fee and Patented ..... ☒
State ..... ☒
Lease No. .....

Public Domain ..... ☐
Lease No. .....

Indian ..... ☐
Lease No. .....

# 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 Altering Casing | |
| Notice of Intention to Redrill or Repair | | Subsequent Report of Redrilling or Repair | |
| Notice of Intention to Pull or Alter Casing | | Supplementary Well History | X |
| Notice of Intention to Abandon Well | | | |
| | | | |

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

April 16, 19 58

Miller Creek
Well No. #1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of Sec. 26

NE 26 (¼ Sec. and Sec. No.) | 15 S (Twp.) | 10 E (Range) | SLBM (Meridian)

Wildcat (Field) | Carbon (County or Subdivision) | Utah (State or Territory)

The elevation of the ~~derrick floor~~ Kelly Bushing above sea level is 5514.1 feet.

A drilling and plugging bond has been filed with State of Utah.

## 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 work, surface formation, and date anticipate spudding-in.)

DST #1 5790-5970': ISI 1/2 hr., open 1 hr., FSI 1 hr. No water cushion. Fair initial blow decreasing to weak and dead in 15 min. Recovered 80' slightly gas cut mud. ISIP 173, IFP 155, FFP 155, FSIP 275, HP 3250 psi.

DST #2 8345-8433': Tool open 2 hrs. Strong to medium steady blow throughout test. Back scuttled 120' gas cut mud. ISIP 3855, IFP 295, FFP 385, FSIP 3155, HP 4920 psi.

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

Company Shell Oil Company

Address 101 S. Behrend

Farmington, New Mexico

By for B. W. Shepard

Title Exploitation Engineer

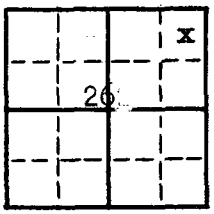
INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Form OGCC-1

(SUBMIT IN DUPLICATE)

LAND:

Fee and Patented ..... ☒
State ..... ☐
Lease No. .....
Public Domain ..... ☐
Lease No. .....
Indian ..... ☐
Lease No. .....




STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

# 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 Altering Casing | |
| Notice of Intention to Redrill or Repair | | Subsequent Report of Redrilling or Repair | |
| Notice of Intention to Pull or Alter Casing | | Supplementary Well History | X |
| Notice of Intention to Abandon Well | | | |
| | | | |

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

May 27, 19 58

Well No. Miller Creek #1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of Sec. 26

NE 26 (¼ Sec. and Sec. No.) | 15S (Twp.) | 10E (Range) | SLBM (Meridian)

Wildcat (Field) | Carbon (County or Subdivision) | Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 5514.1 feet.

A drilling and plugging bond has been filed with State of Utah.

## 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 work, surface formation, and date anticipate spudding-in.)

DST #3 10,058-10,165. Initial shut in 30 min. Open 90 min. Very faint blow immediately, increasing to faint after 25 min., increasing to moderate after 55 min. Remained steady throughout test. Recovered 568' (8 bbls.) frothy mud (water cut). Used 60' air cushion and 1000' water cushion, 420 ppm (r). Salinity of recovered fluid 8000-16,000 ppm (r) NaCl. ISIP 4250, FSIP 4150, IFP 600, FFP 800, HP 5400.

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

Company Shell Oil Company

Address 101 South Behrend Avenue

Farmington, New Mexico

By B W Shepard
for R. S. Mac Alister, Jr.

Title Division Exploitation Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

PD 4A 2-50 PRINTED IN U. S. A.

# SHELL OIL COMPANY

## DRILLING REPORT
FOR PERIOD ENDING 4-16-58

Miller Creek
WELL NO. # 1

Wildcat
(FIELD)
Carbon, Utah
(COUNTY)

26
(SECTION OR LEASE)
T15S R10E
(TOWNSHIP OR RANCHO)

| DAY | DEPTHS FROM | DEPTHS TO | REMARKS |
|---|---|---|---|
| 3-8 to 3-13 | 6720 | 6961 | Drilled 241': Twisted off at 6961'. Left 12 drill collars in the hole. Top of fish at 6601'. Recovered fish with 8-1/4" Bowen overshot with 6-3/4" grapple. |
| 3-14 to 3-19 | 6961 | 7231 | Drilled 270': Lost 50 barrels of Mud 7231'. |
| 3-20 to 3-27 | 7231 | 7595 | Drilled 364': Ran Schlumberger Electrical Survey from 5331' to 7595'. |
| 3-28 to 4-1 | 7595 | 7876 | Drilled 281': Tight hole - reamed 7856-7872 and 7861 to 7876. |
| 4-2 to 4-13 | 7876 | 8433 | Drilled 557': Hit gas zone in fractured siltstone, mud fluffed up and weight dropped from 9.8 to 8.7#/gal. Mixed Barite and increased weight to 10.6#/gal. Ran Schlumberger Induction - ES and Microlog from 5700' to 8433'. |
| 4-14 | 8433 | | DST #2 8353 - 8433: Ran Halliburton Tester with 8" single end packers set at 8344' and 8351'. Perforations were from 8353-8362' and 8418-8433'. Three pressure recorders at 8326', 8360', and 8429', 60' of air cushion and 180' of water cushion, 5/8" bottom choke, and 1" surface choke were used. Initial shut-in of 30 minutes, tool open 2 hours, moderate blow immediately increasing to measurable rate or strong blow after 1-1/2 hours. Maximum flow rate of 50 MCF/D. Declining slightly at end of test. Final shut in 1-1/2 hrs. Recovered 450' of gas-cut mud with offscale gas reading ( 200 units) No fluorescence under UV lamp, salinity 2500-2800 PPM (R). Weight of gas-cut mud - 10.0#/gal. Salinity of mud before test - 2800 PPM NaCl (R) and 10.0#/gal. ISIBHP - 3855 psi/30 min. FSIBHP - 3155 psi/90 min. - still rising. IFBHP/FFBHP 295 psi/385 psi. Hydrostatic Head - 4920 psi. |
| 4-15 | 8433 | 8474 | Drilled 41': Lost 60 bbls. of mud at 8474'. |
| 4-16 | 8474 | 8536 | Drilled 62': Lost 400 bbls. of mud at 8536'. |

CONDITION AT BEGINNING OF PERIOD

| HOLE SIZE | HOLE FROM | HOLE TO | CASING SIZE | DEPTH SET |
|---|---|---|---|---|
| | | | | |

DRILL PIPE SIZES

Charles Bremer, Jr.
SIGNED

PD 4A 2-50 PRINTED IN U. S. A.

# SHELL OIL COMPANY

## DRILLING REPORT
FOR PERIOD ENDING 5-23-58

WELL NO. Miller Creek #1

Wildcat (FIELD)

Carbon, Utah (COUNTY)

26 (SECTION OR LEASE)

T15S R10E (TOWNSHIP OR RANCHO)

| DAY | DEPTHS FROM | DEPTHS TO | REMARKS |
|---|---|---|---|
| 4-17 to 4-27 | 8536 | 9245 | Drilled 709': Lost cone from bit # 146. Fished for cone with magnet and then globe basket. Recovered fish with magnet on 2nd run. |
| 4-28 to 4-30 | 9245 | 9290 | Drilled 45': Hit bridge @ 8480' while going in hole. Knocked off cone and shank from Bit #149. Recovered cone on 3rd trip with magnet. Went back in with magnet and fished unsuccessfully for shank. Ran McCullough Junk Shot and then went back in with Magnet and recovered fish. |
| 5-1 to 5-8 | 9390 | 9828 | Drilled 538': Ran Schlumberger combination ES-Induction Log from 8426-9828'. |
| 5-8 to 5-12 | 9828 | 10,165 | Drilled 287', Cored 50': Core #5 - 10, 115 - 10,165. Recovered 50' Used 8-7/8" Christiansen Diamond Core Head and 6-3/4" core barrel. |
| 5-13 | 10,165 | | DST #3, 10,058 - 10,165: Ran cook tester with 7-3/4" Bobtail Packers Set at 10,053' and 10,058'. Perforations from 10, 058' to 10,088' and 10,144 to 10,165', Three pressure recorders at 10,142, 10,159, 10,160', 60' of air cushion, 1000' of water cushion, 5/8" bottom choke and 1/2" top choke were used. Initial shut-in of 30 min., tool open 90 min., very faint blow immediately increasing to faint after 25 minutes and moderate after 55 minutes and continuing duration of test. Tool shut-in 90 minutes for final shut-in pressure build-up. Recovered 568' of salt water-cut mud with salinities ranging from 8,000 to 16,000 PPM NaCl (R). Dull yellow Fluorescence in recovery with weight ranging from 8.3 to 9.5#/gal. No gas reading from analyzer, mud before test had salinity of 4000 PPM NaCl (R) and weight of 9.8#/gal.<br>ISIBHP 9.8#/gal.<br>FSIBHP 4250 in 30 minutes<br>IFBHP/FFBHP 600/800<br>HP 5400 |
| 5-14 to 5-23 | 10,165 | 10,828 | Drilled 663': |

CONDITION AT BEGINNING OF PERIOD

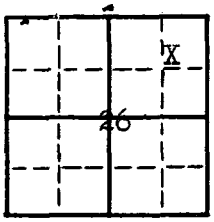
| HOLE SIZE | HOLE FROM | HOLE TO | CASING SIZE | DEPTH SET |
|---|---|---|---|---|
| | | | | |

DRILL PIPE SIZES

Charles Bremer, Jr.
SIGNED

Form OGCC-1 (SUBMIT IN DUPLICATE)

LAND:




STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING

SALT LAKE CITY 14, UTAH

Fee and Patented ..... ☒
State ..... ☐
Lease No. .....

Public Domain ..... ☐
Lease No. .....

Indian ..... ☐
Lease No. .....

# 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 Altering Casing | |
| Notice of Intention to Redrill or Repair | | Subsequent Report of Redrilling or Repair | |
| Notice of Intention to Pull or Alter Casing | | Supplementary Well History | |
| Notice of Intention to Abandon Well | X | | |
| | | | |

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

May 27, 1958

Miller Creek
Well No. #1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of Sec. 26

NE 26 (¼ Sec. and Sec. No.) | 15 S (Twp.) | 10 E (Range) | SLBM (Meridian)

Wildcat (Field) | Carbon (County or Subdivision) | Utah (State or Territory)

The elevation of the ~~derrick floor~~ Kelly Bushing above sea level is 5514.1 feet.

A drilling and plugging bond has been filed with State of Utah.

## 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 work, surface formation, and date anticipate spudding-in.)

Status: Total Depth 10,853'
13 3/8" casing @937'

Proposed Work: (Verbally approved by C. B. Freight.)

1. Place plugs as follows: 25 sacks cement at 9500'
   25 " " " 8100'
   25 " " " 4850'
   25 " " " 3900'
   50 " " " 2500'
   60 " " " 1000'
2. Feel for top of cement, Recement if not above 970'.
3. Plug top of casing with 10 sack cement cap, install marker and abandon.

Approved Chas Hauptman May 29, 1958

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

Company Shell Oil Company

Address 101 South Behrend

~~Farmington, New Mex.~~

By R. S. Mac Alister, Jr.

Title ~~Division Exploitation Engineer~~

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

PD 4A 2-50 PRINTED IN U. S. A.

# SHELL OIL COMPANY

## DRILLING REPORT
FOR PERIOD ENDING 5-28-58

Miller Creek
WELL NO. # 1

Wildcat
(FIELD)
San Juan, New Mexico
(COUNTY)

26
(SECTION OR LEASE)
T15S R10E
(TOWNSHIP OR RANCHO)

| DAY | DEPTHS FROM | DEPTHS TO | REMARKS |
|---|---|---|---|
| 5-24 | 10,828 | 10,835 | Core #6, 10,828-10,835. Rec. 6. |
| 5-25 | 10,835 | 10,854 | Drilled 16'. Core #7 10,851-854. Rec 1/2'. Ran Schlumberger Combination ES - Induction Log, from 9828' to 10,843', Microlog from 8432' to 19,849' and GRN from 5,700' to 10,849. Also ran continuous dipmeter from 7100' to TD. |
| 5-26 | 10,852 (TD) | (Corr.) | Ran SSC continuous Velocity Survey from 987' to TD. |
| 5-27 | 10,852 | | Circulating and waiting on orders for abandonment. |
| 5-28 | 10,852 | | Plugging well and laying down drill pipe. The following plugs were used: (1) 9500' - 25 sax slow set cement. 8100' - 25 sax slow set cement. 4850' - 25 sax slow set cement. 3900' - 25 sax slow set cement. 2500' - 50 sax slow set cement. 1000' - 60 sax slow set cement. Felt top of cement plug at 950'. Backed off bottom flange and plugged top of casing with 10 sax cement and set up marker. Released Mountain States Drilling Company Rig @ 10:00 P.M., 5-29-58. Released Portable Engineer Corporation Gas Detector Unit @ 12:00 Midnight 5-29-58. |

CONDITION AT BEGINNING OF PERIOD

| HOLE SIZE | HOLE FROM | HOLE TO | CASING SIZE | DEPTH SET |
|---|---|---|---|---|
| 17½" | 0 | 1235' | 13 3/8" | 987' |
| 7⅞ | 1235' | 10852' | | |

DRILL PIPE SIZES 4½"

Charles Bremer, Jr.
SIGNED

Wed 5-28-58 Chas Brimmer

Miller Creek & Price

Will set Plugs at

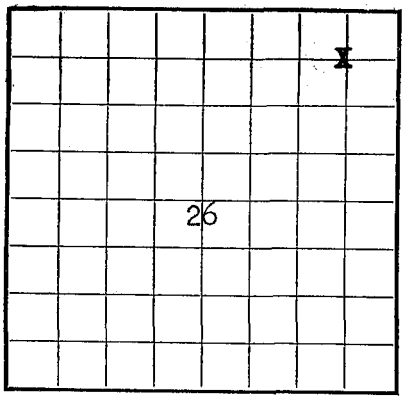
| | | |
|---|---|---|
| 25 | 9600 | Called from Price eve of May 28 |
| 25 | 8100 | |
| 25 | 4850 | |
| 25 | 3400 | |
| 20 | 2520 | |
| 60 | 1000 | |
| 10 | Top Clay | |
| 70 | 10,700 ± | |

Told Miller to "Carry On" with P+A program as discussed w/ Catt & C.B.F.

5-29-58

Catt Hamptman

Form OGCC-3




LOCATE WELL CORRECTLY

STATE OF UTAH

# OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

To be kept Confidential until Not
(Not to exceed 4 months after filing date)

# LOG OF OIL OR GAS WELL

Operating Company Shell Oil Company Address 101 S. Behrend, FARMINGTON, NEW MEXICO

Lease or Tract: Fee Land-MILLER CREEK Field Wildcat State Utah

Well No. 1 Sec. 26 T. 15S R. 10E Meridian SLBM County ~~San Juan~~ CARBON

Location 660 ft. {N./S.} of N Line and 660 ft. {E./W.} of E Line of Section 26 Elevation 5514.1 KB
(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.

Signed B W Shepard

Date 6-24-58 Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling January 7, 19 58 Finished drilling May 25, 19 58

## OIL OR GAS SANDS OR ZONES

*(Denote gas by G)*

No. 1, from None 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 From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 13 3/8 | 48 | 8 | Spang | 973' | Baker | ----- | --- | --- | Surface casing |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 13 3/8 | 987 | 900 | Displacement | --- | --- |
| | | | | | |
| | | | | | |
| | | | | | |

## PLUGS AND ADAPTERS

MARK

FO

Heaving plug—Material ---- Length ---- Depth set ----

Adapters—Material ---- Size ----

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

## TOOLS USED

Rotary tools were used from 0 feet to 10,852 feet, and from ---- feet to ---- feet

Cable tools were used from ---- feet to ---- feet, and from ---- feet to ---- feet

ABANDONED 5-29-58

## DATES

June 24, 1958 Put to producing ----, 19----

The production for the first 24 hours was -- barrels of fluid of which --% was oil; --% emulsion; --% water; and --% sediment. Gravity, °Bé. ----

If gas well, cu. ft. per 24 hours -- -- Gallons gasoline per 1,000 cu. ft. of gas -- --

Rock pressure, lbs. per sq. in. -- ---

## EMPLOYEES

Mountain States Drilling Co.

H. O. Hibler, Driller K. R. Meskley, Driller

Burns, Driller H. R. Schanek, Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 1527 | 1563 | 36 | Buckhorn |
| 1563 | 2562 | 999 | Morrison |
| 2562 | 2700 | 138 | Curtis |
| 2700 | 3308 | 608 | Entrada |
| 3308 | 3914 | 606 | Carmel |
| 3914 | 4260 | 346 | Navajo |
| 4260 | 4390 | 130 | Kayenta |
| 4390 | 4793 | 403 | Wingate |
| 4793 | 5120 | 327 | Chinle |
| 5120 | 5140 | 20 | Shinarump |
| 5140 | 5790 | 650 | Moenkopi |
| 5790 | 6266 | 476 | Sinbad |
| 6266 | 6450 | 184 | Kaibab |
| 6450 | 7108 | 658 | Coconino |
| 7108 | 8170 | 1062 | Permian Carbonates |
| 8170 | 8950 | 780 | Manning Canyon |
| 8950 | 10,763 | 1813 | Humbug |
| 10,763 | 10,833 | 70 | Ouray |
| 10,833 | 10,854 | 21 | Elbert |

JUL 3 1958

[OVER]

## FORMATION RECORD—Continued

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| | | | |

## HISTORY OF OIL OR GAS WELL

**It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.**

ATTACHED: DRILLING HISTORY

DITCH SAMPLES

Examined by _____ ___to ___
_____ ___to ___

Well Miller Creek 1
Field or Area Wildcat

SAMPLES LAGGED Not

| FROM | TO | % | SHOWS UNDERLINED |
|---|---|---|---|
| 1520 | 1530 | 100 | Sandstone, silt to X-coarse, medium calcareous pieces of red-orange chert, angular quartz grains to well rounded grains. |
| 1530 | 1540 | 100 | As above. |
| 1540 | 1550 | 100 | Sandstone, very fine - X-coarse, angular, shows round grains, yellow speckled chert & red-orange chert. |
| 1550 | 1560 | 100 | Sandstone, carbonaceous, white to yellow with much yellow chert. |
| 1560 | 1570 | 100 | Shale, purple, chert, (orange-red). |
| 1570 | 1580 | 100 | As above. |
| 1580 | 1590 | 100 | As above. |
| 1590 | 1600 | 100 | As above. |
| 1600 | 1610 | 100 | Shale, maroon to brick red, sandy 20% with slight chert (pale blue.) |
| 1610 | 1620 | 100 | Sandstone, very fine silt, 30% argillaceous, brick red. |
| 1620 | 1630 | 100 | Sandstone, brick red, very fine, 15% argillaceous. |
| 1630 | 1640 | 100 | Shale, pale green, 15% sandy very fine quartz grains. |
| 1640 | 1650 | 100 | Shale, as above, with 20% sandy, very fine to coarse well-rounded quartz grains. |
| 1650 | 1660 | 100 | Sandstone, white, to very calcareous, very fine to medium, medium sorted, occasional orange chert. |
| 1660 | 1670 | 100 | Sandstone, maroon, very fine to silty, 40% argillaceous. |
| 1670 | 1680 | 100 | Shale, maroon, with streaks sandstone maroon, very fine-coarse, 30% argillaceous. |
| 1680 | 1690 | 100 | Shale, gray-green, with blebs of limestone, tan to gray, IVFA. |
| 1690 | 1700 | 100 | Shale, as above, with 25% siltstone. |
| 1700 | 1710 | 100 | Shale, as above, with streaks limestone, white, III VFA. |
| 1710 | 1720 | 100 | Shale, pale-green to white, streaks limestone, as above. |
| 1720 | 1730 | 100 | Shale, green, very fine to coarse quartz grains. |

DITCH SAMPLES

Examined by _____ ___to ____
_____ ___to ____

Well Miller Creek 1
Field or Area Wildcat

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED Not |
|---|---|---|---|---|
| 1730 | 1740 | 100 | Shale, green, very fine to coarse quartz grains. | |
| 1740 | 1750 | 100 | Limestone, brown to medium gray, III-I VFA, 20% dolomitic, 20% sandy very fine to medium grains, red to orange chert. | |
| 1750 | 1760 | 100 | Dolomite, gray to brown, IVFA, 20% chert sand, very fine to medium. | |
| 1760 | 1770 | 100 | Limestone, brown, III-I VFA. | |
| 1770 | 1780 | 100 | Limestone, brown to light gray, III-I VFA with 15% sand | |
| 1780 | 1790 | 100 | Limestone, As above with 25% sandstone | |
| 1790 | 1800 | 100 | Sandstone, Light Gray, VF, 25% calcareous, 20% argillaceous | |
| 1800 | 1810 | 100 | Sandstone, Light Gray to White, VF, 20% calcareous | |
| 1810 | 1820 | 100 | As Above, | |
| 1820 | 1830 | 100 | As Above, | |
| 1830 | 1840 | 100 | Dolomite, Brown, Limy, IVFA, blebs green shale | |
| 1840 | 1850 | 100 | As Above | |
| 1850 | 1860 | 100 | Limestone, Brown, IVFA, Sandy 10% VF, with blebs green shale | |
| 1860 | 1870 | 100 | Dolomite, Brown to slighty green, IVFA, 10% sandy, VF, streak sandstone, VF | |
| 1870 | 1880 | 100 | Shale, Gray-Green, 20% Dolomitic, 20% VF sand | |
| 1880 | 1890 | 100 | Sandstone, Gray to White, VF, to silt, 10% chert found | |
| 1890 | 1900 | 100 | As Above | |
| 1900 | 1910 | 100 | Shale, Maroon to Gray | |
| 1910 | 1920 | 100 | As Above | |
| 1920 | 1930 | 100 | Shale, Brick Red | |
| 1930 | 1940 | 100 | Shale, Brick Red and Green | |
| 1940 | 1950 | 100 | As Above | |
| 1950 | 1960 | 100 | Limestone, Brown, IVFA, 10% VF Sand | |
| 1960 | 1970 | 100 | Dolomite, Brown, IVFA with 10% VF sand. | |
| 1970 | 1980 | 100 | Dolomite, As above, with 15% silt | |

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Miller Creek
Field or Area Wildcat

SAMPLES LAGGED Not

| FROM | TO | % | SHOWS UNDERLINED |
|---|---|---|---|
| 1980 | 1990 | 100 | Limestone, Brown, IVFA [illegible] Silty 10% |
| 1990 | 2000 | 100 | Limestone, As above with partings shale, green |
| 2000 | 2010 | 100 | Shale, Green to Slightly Gray, with 10% VF Sand. |
| 2010 | 2020 | 100 | As above |
| 2020 | 2030 | 100 | Sandstone, Gray to Green, VF-Silt, Dolomitic,10%, 20% argillaceous |
| 2030 | 2040 | 100 | Sandstone, Gray to Green, VF-C, well round quartz grains, |
| 2040 | 2050 | 100 | Shale, Brick Red, 15% calcareous |
| 2050 | 2060 | 100 | Sandstone, White to Tan, VF, 15% calcareous, Occasional Chert Grains |
| 2060 | 2070 | 100 | Sandstone, As above, VF-F |
| 2070 | 2080 | 100 | Shale, Green, 15% calcareous, 15% silt. |
| 2080 | 2090 | 100 | As Above. |
| 2090 | 2100 | 100 | Shale, As above Gray to Green, 25% calcareous, 15% silt. |
| 2100 | 2110 | 100 | As Above. |
| 2110 | 2120 | 100 | Sandstone, White to Tan, VF, 20% calcareous, occasional grains orange chert, subround to round. |
| 2120 | 2130 | 100 | Sandstone, As Above, VF-F |
| 2130 | 2140 | 100 | Sandstone, As Above, F-M |
| 2140 | 2150 | 100 | Sandstone, As Above VF-F |
| 2150 | 2160 | 100 | Shale, Medium Gray and Slightly Lavendar, 10% calcareous, 10% silt. |
| 2160 | 2170 | 100 | Sandstone, Tan, VF, 10% calcareous |
| 2170 | 2180 | 100 | As Above |
| 2180 | 2190 | 100 | Shale, Gray to Slightly Green, 20% calcareous, 10% Silt |
| 2190 | 2200 | 100 | Siltstone, Gray-Green to Tan, 25% calcareous |
| 2200 | 2210 | 100 | As Above |
| 2210 | 2220 | 100 | Limestone, Brown, IVFA, slightly sandy VF |
| 2220 | 2230 | 100 | As Above |
| 2230 | 2240 | 100 | As Above |

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Miller Creek
Field or Area Wildcat

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED Not |
|---|---|---|---|---|
| 2240 | 2250 | 100 | Shale, Gray-Green, 10% calcareous, 20% silt | |
| 2250 | 2260 | 100 | Shale, Brick Red, non-calcareous, with streaks siltstone | |
| 2260 | 2270 | 100 | As Above | |
| 2270 | 2280 | 100 | As Above | |
| 2280 | 2290 | 100 | As Above | |
| 2290 | 2300 | 100 | As Above anhydritic, 10% calcareous | |
| 2300 | 2310 | 100 | As Above, with streaks limestone | |
| 2310 | 2320 | 100 | Sandstone, Brick Red and White, VF to silty | |
| 2320 | 2330 | 100 | Shale, Brick Red, Slightly calcareous | |
| 2330 | 2340 | 100 | As Above | |
| 2340 | 2350 | 100 | As Above | |
| 2350 | 2360 | 100 | As Above | |
| 2360 | 2370 | 100 | As Above | |
| 2370 | 2380 | 100 | As Above, with 10% silt and streak siltstone | |
| 2380 | 2390 | 100 | Sandstone, White and Brick Red, VF-silt, slightly calcareous, 25% argillaceous | |
| 2390 | 2400 | 100 | As Above, more white | |
| 2400 | 2410 | 100 | Shale; Brick Red, slightly calcareous, 10% silt | |
| 2410 | 2420 | 100 | As Above, with streaks limestone | |
| 2420 | 2430 | 100 | As Above, without limestone | |
| 2430 | 2440 | 100 | As Above, with limestone As above | |
| 2440 | 2450 | 100 | As Above, without limestone with 15% silt | |
| 2450 | 2460 | 100 | Shale, As above with 10% silt | |
| 2460 | 2470 | 100 | As Above | |
| 2470 | 2480 | 100 | As Above | |
| 2480 | 2490 | 100 | Shale, Brick Red As Above, 10% calcareous, 10% silt, with splotches green shale | |

DITCH SAMPLES

Examined by _____ ___to ___
_____ ___to ___

Well Miller Creek
Field or Area Wildcat

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED Not |
|---|---|---|---|---|
| 2490 | 2500 | 100 | As Above | |
| 2500 | 2510 | 100 | As Above, without silt, but green shale has sandstone, VF, calcareous | |
| 2510 | 2520 | 100 | As Above | |
| 2520 | 2530 | 100 | As Above | |
| 2530 | 2540 | 100 | As Above | |
| 2540 | 2550 | 100 | Sandstone, XF-silt, 20% calcareous glauconite-Gray-Green | |
| 2550 | 2560 | 100 | As Above | |
| 2560 | 2570 | 100 | As Above | |
| 2570 | 2580 | 100 | As Above, with partings shale, Gray-Green, slightly silty | |
| 2580 | 2590 | 100 | As Above | |
| 2590 | 2600 | 100 | Sandstone As Above, without shale, with VF grains | |
| 2600 | 2610 | 100 | As Above | |
| 2610 | 2620 | 100 | As Above | |
| 2620 | 2630 | 100 | As Above | |
| 2630 | 2640 | 100 | As Above | |
| 2640 | 2650 | 100 | As Above | |
| 2650 | 2660 | 100 | As Above | |
| 2660 | 2670 | 100 | As Above | |
| 2670 | 2680 | 100 | As Above | |
| 2680 | 2690 | 100 | As Above | |
| 2690 | 2700 | 100 | As Above | |
| 2700 | 2710 | 100 | As Above | |
| 2710 | 2720 | 100 | As Above, with sandstone VF-M well round quartz grains | |
| 2720 | 2730 | 100 | Siltstone, Brick Red, 15% calcareous with shale partings. | |
| 2730 | 2740 | 100 | As Above | |

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Miller Creek
Field or Area Wildcat

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED Not |
|---|---|---|---|---|
| 2740 | 2750 | 100 | As Above | |
| 2750 | 2760 | 100 | As Above | |
| 2760 | 2770 | 100 | Shale, Brick Red, calcareous 10%, with siltstone partings | |
| 2770 | 2780 | 100 | Siltstone, Brick Red, 10% calcareous, with shale partings | |
| 2780 | 2790 | 100 | Sandstone, Brick Red to Tan, VF to silt, with shale partings | |
| 2790 | 2800 | 100 | Siltstone, Brick Red, stringers shale, blebs limestone, tan, IVFLA | |
| 2800 | 2810 | 100 | Sandstone, Brick Red, XF-silt, 10% calcareous, stringers shale, blebs limestone, As above. | |
| 2810 | 2820 | 100 | Sandstone, As Above, VF-F without shale, and without limestone | |
| 2820 | 2830 | 100 | As Above | |
| 2830 | 2840 | 100 | As Above, VF | |
| 2840 | 2850 | 100 | As Above | |
| 2850 | 2860 | 100 | As Above | |
| 2860 | 2870 | 100 | As Above | |
| 2870 | 2880 | 100 | As Above | |
| 2880 | 2890 | 100 | As Above | |
| 2890 | 2900 | 100 | As Above | |
| 2900 | 2910 | 100 | As Above | |
| 2910 | 2920 | 100 | As Above, Vf-silt | |
| 2920 | 2930 | 100 | As Above | |
| 2930 | 2940 | 100 | As Above, VF with pieces orange chert | |
| 2940 | 2950 | 100 | As Above | |
| 2950 | 2960 | 100 | As Above, VF-F without chert | |
| 2960 | 2970 | 100 | As Above | |
| 2970 | 2980 | 100 | As Above, VF | |
| 2980 | 2990 | 100 | As Above | |

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Miller Creek 1
Field or Area Wildcat

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED Not |
|---|---|---|---|---|
| 2990 | 3000 | 100 | As Above | |
| 3000 | 3010 | 100 | As Above | |
| 3010 | 3020 | 100 | As Above | |
| 3020 | 3030 | 100 | As Above | |
| 3030 | 3040 | 100 | As Above | |
| 3040 | 3050 | 100 | As Above | |
| 3050 | 3060 | 100 | As Above, with 10% argillaceous bnd. | |
| 3060 | 3070 | 100 | As Above, with fine orange chert | |
| 3070 | 3080 | 100 | As Above, without chert | |
| 3080 | 3090 | 100 | Sandstone, Brick Red, Calcareous 10%, shale partings | |
| 3090 | 3200 | 100 | As Above | |
| 3200 | 3240 | 100 | Sandstone, brick red as above | |
| 3240 | 3250 | 100 | Shale, red as above | |
| 3250 | 3300 | 100 | Sandstone, red as above w/shale stringers | |
| 3300 | 3320 | 100 | Sandstone, as above | |
| 3320 | 3330 | 50 | Sandstone, as above | |
| | | 50 | Shale, as above | |
| 3330 | 3340 | 100 | Shale, as above | |
| 3340 | 3375 | 100 | Shale, gray-green, in part interbedded w/anhrydrite | |
| 3375 | 3430 | 100 | Siltstone, gray, light green-brown w/anhrydrite | |
| 3430 | 3435 | 100 | Shale, as above green | |
| 3435 | 3480 | 100 | Siltstone, green, calcareous w/anhrydrite | |
| 3480 | 3500 | 100 | Anhydrite | |
| 3500 | 3520 | 100 | Siltstone, and shale green, calcareous | |
| 3520 | 3545 | 100 | Shale, as above w/anhydrite | |
| 3545 | 3570 | 100 | Anhydrite, interbedded w/shale | |
| 3570 | 3580 | 100 | Limestone, brown IVFA dolomitic w/inclusion of anhydrite | |
| 3580 | 3640 | 100 | Anhydrite, white w/dolomite streaks | |

# DITCH SAMPLES

Examined by Bremer ___ to ___
Oestrich ___ to ___

Well Miller's Creek No. 1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED — SAMPLES LAGGED NOT |
|---|---|---|---|
| 3640 | 3710 | | Anhydrite with dolomite partings, tan IVFA, silty. |
| 3710 | 3720 | | Shale, gray-green, dolomitic. |
| 3720 | 3740 | | Limestone, tan IVFA, dolomitic. |
| 3740 | 3750 | | Dolomite, III VFA, tan-gray. |
| 3750 | 3770 | | Siltstone, gray-brown, calcareous. |
| 3770 | 3780 | 50 | Siltstone, as above. |
| | | 50 | Limestone, brown, IVFA. |
| 3780 | 3790 | | Limestone, as above. |
| 3790 | 3810 | 50 | Limestone, as above. |
| | | 50 | Siltstone, tan. |
| 3810 | 3820 | 50 | Siltstone, as above. |
| | | 50 | Limestone, tan, IVFA, oolitic. |
| 3820 | 3830 | | Limestone, as above. |
| 3830 | 3840 | | Limestone, as above, with anhydrite partings |
| 3840 | 3860 | | Limestone, as above. |
| | | | Samples poor last 100 feet (lost circulation). |
| 3860 | 3870 | | Limestone, brown, IVFA. |
| 3870 | 3880 | | Shale, green-brown, calcareous with Limestone parting, as above. |
| 3880 | 3890 | 50 | Shale, as above. |
| | | 50 | Limestone, as above. |
| 3890 | 3900 | | Siltstone, white, calcareous. |
| 3900 | 3920 | | Limestone, brown, IVFA, oolitic. |
| | | | Sample Top Navajo 3920. |
| 3920 | 3930 | | Sandstone, cream, dolomitic, very fine, well rounded. |
| 3930 | 3970 | | Sandstone, as above, with dolomite partings. |
| 3970 | 4000 | | Sandstone, as above. |
| 4000 | 4050 | | Sandstone, as above, with occasional green shale stringers. |

# DITCH SAMPLES

Examined by Bremer ___ to ___
Oestrich ___ to ___

Well Miller's Creek No. 1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED NOT |
|---|---|---|---|---|
| 4050 | 4180 | | Sandstone, as above. | |
| 4180 | 4200 | | Sandstone, as above, with shale partings, green-gray, silty. | |
| | | | Sample Top Kayenta 4180. | |
| 4200 | 4220 | | Sandstone, as above. | |
| 4220 | 4260 | | Sandstone, as above, with siltstone partings, cream. | |
| 4260 | 4270 | | Sandstone, as above, with Shale partings, green. | |
| 4270 | 4330 | | Sandstone, as above. | |
| 4330 | 4370 | | Sandstone, very fine - fine, white-light green, with siltstone partings, green. | |
| 4370 | 4390 | | Shale, light green, soft, silty with sandstone partings, as above. | |
| 4390 | 4440 | Poor Samples | Sandstone, white-tan, very fine - fine, with shale partings, as above. | |
| 4440 | 4520 | | Sandstone, cream, very fine - medium, dolomitic, friable. | |
| 4520 | 4770 | | Sandstone, as above, with shale partings, green. | |
| 4770 | 4790 | | Sandstone, very fine - fine, brick red, dolomitic. | |
| | | | Sample Top Chinle 4798. | |
| 4790 | 4820 | | Sandstone, as above, with shale partings, brick red. | |
| 4820 | 5030 | | Shale, brick red, dolomitic, silty in part. | |
| 5030 | 5050 | | Shale, brick red, silty with sandstone partings, very fine - fine, white. | |
| 5050 | 5090 | | Shale, red-maroon, silty. | |
| 5090 | 5110 | | Siltstone, red-maroon, dolomitic with sandstone partings, very fine - fine, white. | |
| 5110 | 5130 | | Sandstone, maroon, very fine, silty with shale partings, red. | |
| 5130 | 5140 | | Shale, red, silty, dolomitic. | |
| 5140 | 5150 | | Shale, as above, with sandstone parting, very fine - medium, white. | |
| 5150 | 5160 | | Siltstone, red-maroon, dolomitic with anhydrite stringer, white. | |
| 5160 | 5260 | | Siltstone, as above, with shale partings, red. | |

# DITCH SAMPLES

Examined by Bremer ___ to ___
Oestrich ___ to ___

Well Miller Creek No. 1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED NOT |
|---|---|---|---|---|
| 5260 | 5310 | | Shale, red, dolomitic, silty. | |
| 5310 | 5330 | | Siltstone, light green, calcareous. | |
| 5330 | 5340 | | Siltstone, cream-light green, sandy in part. | |
| 5340 | 5410 | | Shale, brick red, silty, with sandstone partings, white, very fine - fine. | |
| 5410 | 5430 | | Shale, as above, with limestone partings, tan, III VFA, silty. | |
| 5430 | 5460 | | Shale, as above. | |
| 5460 | 5470 | | Shale, as above, with siltstone partings, gray, micaceous. | |
| 5470 | 5480 | | Shale, as above. | |
| 5480 | 5560 | | Shale, as above, with siltstone partings, as above. | |
| 5560 | 5580 | | Siltstone, green-gray, dolomitic. Poor spotty dead oil stain. | |
| 5580 | 5590 | | No sample. | |
| 5590 | 5600 | | Shale, brick red, silty. | |
| 5600 | 5620 | | Siltstone, brick red, shaly in part. | |
| 5620 | 5630 | | Shale, as above, with siltstone parting, gray. | |
| 5630 | 5640 | | Siltstone, brick red, dolomitic. | |
| 5640 | 5650 | | Siltstone, white-gray, poor spotty dead oil stain. | |
| 5650 | 5660 | | Siltstone, pale green to gray, dolomitic. 2% pale yellow fluorescence, and pale cut fluorescence. | |
| 5660 | 5690 | | Siltstone, gray. Trace to 5% pale yellow fluorescence and pale cut fluorescence. | |
| 5690 | 5710 | | Siltstone, pale green to white. | |
| 5710 | 5760 | | Siltstone, white to gray, dolomitic. | |
| 5760 | 5800 | | Siltstone, with streaks Limestone, brown, IVFA, trace fluorescence and cut fluorescence 5790-5800. | |
| 5800 | 5810 | | Limestone, white, III $FB_{1-2}$, dolomitic, pseudoolitic, 5% yellow fluorescence and pale milky cut fluorescence. | |
| | | | Sample Top Sinbad 5803. | |

DITCH SAMPLES

Examined by Seely ___ to ___
Shepard ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah

SAMPLES Not LAGGED

| FROM | TO | % | SHOWS UNDERLINED |
|---|---|---|---|
| 5810 | 5820 | | Limestone, as above, with 50% fluorescence and cut fluorescence, as above. |
| 5820 | 5825 | | Siltstone, pale green, 5% fluorescence and cut fluorescence, as above. |
| 5825 | 5830 | | Shale, brick red. Trace fluorescence and cut fluorescence. |
| 5830 | 5835 | | Limestone, brown, IVFA. Trace fluorescence and cut fluorescence. |
| 5835 | 5850 | | Shale, brick red. Trace fluorescence and cut fluorescence. |
| 5850 | 5855 | | Limestone, brown to gray, IVFA. Trace fluorescence and cut fluorescence. |
| 5855 | 5865 | | Shale, brick red. |
| 5865 | 5885 | | Limestone, brown to white, I-III VFA. |
| 5885 | 5890 | | Shale, brick red. 1% to 2% yellow fluorescence and pale cut fluorescence after treatment with acid. |
| 5890 | 5910 | | Dolomite, gray, IVFA. 1% to 2% yellow fluorescence and pale cut fluorescence after treatment with acid. |
| 5910 | 5915 | | Dolomite, tan, III - IVF-FA, Trace fluorescence and cut fluorescence. |
| 5915 | 5935 | | Siltstone, maroon. Trace fluorescence and cut fluorescence. |
| 5935 | 5940 | | Shale, maroon. Trace fluorescence and cut fluorescence. |
| 5940 | 5960 | 80 | Shale, maroon. Trace fluorescence and cut fluorescence. |
| | | 20 | Dolomite, IVFA. Trace fluorescence and cut fluorescence. |
| 5960 | 6010 | | Shale, maroon. Trace fluorescence and cut fluorescence. |
| 6010 | 6030 | 80 | Siltstone, gray. Trace fluorescence and cut fluorescence. |
| | | 20 | Dolomite, gray, IVFA. Trace fluorescence and cut fluorescence. |
| 6030 | 6050 | | Siltstone, gray. Trace fluorescence and cut fluorescence. |
| 6050 | 6070 | | Sandstone, white, very fine. Trace fluorescence and cut fluorescence. |
| 6070 | 6110 | | Siltstone, maroon. Trace fluorescence and cut fluorescence. |
| 6110 | 6130 | | Siltstone and Shale, maroon. Trace fluorescence and cut fluorescence.. |
| 6130 | 6160 | 90 | Siltstone, gray-white. Trace fluorescence and cut fluorescence. |
| | | 10 | Dolomite, IVFA. Trace fluorescence and cut fluorescence. |

# DITCH SAMPLES

Examined by Seely ___ to ___
Shepard ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED — SAMPLES LAGGED NOT |
|---|---|---|---|
| 6160 | 6180 | 90 | Siltstone, green. 1% fluorescence and pale cut fluorescence. |
| | | 10 | Dolomite, IVFA. 1% fluorescence and pale cut fluorescence. |
| 6180 | 6200 | | Shale, maroon. Trace fluorescence and cut fluorescence. |
| 6200 | 6205 | | Limestone, white IVFA. Trace fluorescence and cut fluorescence. |
| 6205 | 6220 | | Shale, maroon. |
| 6220 | 6225 | 85 | Siltstone, green. |
| | | 15 | Dolomite, IVFA. |
| 6225 | 6235 | | Shale, maroon. |
| 6235 | 6240 | | Siltstone, green-gray. |
| 6240 | 6245 | | Shale, maroon, streaks of siltstone, inclusions of anhydrite. |
| 6245 | 6250 | | Siltstone, maroon. |
| 6250 | 6270 | 85 | Siltstone, gray-pale green. |
| | | 15 | Dolomite, IVFA. |

# DITCH SAMPLES

Examined by Seely 6270 to 6465
Shepard ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES/LAGGED |
|---|---|---|---|---|
| | | | Sample Top: Kaibab 6272' | Not |
| 6270 | 6277 | 100 | Dolomite, light-medium gray, IVFA, slightly pyritic. | |
| 6277 | 6290 | 100 | Chert, white, secondary replacing dolomite. | |
| 6290 | 6300 | 100 | Chert, as above, with stringers of Dolomite, light-medium gray, IVFA Trace Fluorescence and Pale Cut Fluorescence. | |
| 6300 | 6305 | 100 | Dolomite, light gray, IVFA, with trace chert, Trace Fluorescence and Cut Fluorescence. | |
| 6305 | 6310 | 55 | Sandstone, light gray, very fine, Trace Fluorescence and Pale Cut Fluorescence. | |
| | | 45 | Dolomite, as above, Trace Fluorescence and Pale Cut Fluorescence. | |
| 6310 | 6325 | 100 | Dolomite, light gray to white, I-II VFA. | |
| 6325 | 6375 | 100 | Dolomite, light gray to white, IVFA, slightly pyritic. | |
| | | | Examined by Bremer and Seely | |
| 6375 | 6425 | 100 | Dolomite, light gray to white, I/III VFA, with chert fragments (milky). | |
| 6425 | 6430 | 100 | Dolomite, as above. | |
| 6430 | 6435 | 100 | As above. | |
| | | | Sample Top: Coconino 6437' | |
| 6435 | 6440 | 100 | Sandstone, very fine, light gray-white, dolomitic, Dead Oil Stain, Pale Milky Yellow Cut Fluorescence. | |
| 6440 | 6445 | 60 | Sandstone, as above, dead oil stain. | |
| | | 40 | Dolomite, gray-light brown, IVFA, dead oil stain. | |
| 6445 | 6450 | 50 | Sandstone, as above. | " |
| | | 50 | Dolomite, as above. | " |
| 6450 | 6455 | 100 | Sandstone, as above. | " |
| 6455 | 6460 | 100 | Sandstone, very fine-medium, dolomitic with occasional coarse quartz grains, dead oil stain, 2% pale yellow sample fluorescence, oil staining, milky yellow cut fluorescence. | |
| 6460 | 6465 | 100 | Sandstone, very fine-medium, light gray, dolomitic, with occasional coarse quartz grains, trace pale yellow sample fluorescence, dead oil residue, milky yellow cut fluorescence. | |

DITCH SAMPLES

Examined by Bremer 6465 to 6780
Oestrich ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES/LAGGED Not |
|---|---|---|---|---|
| 6465 | 6470 | 100 | Sandstone, as above, faint milky yellow cut fluorescence, dead oil residue. | |
| 6470 | 6480 | 100 | Sandstone, as above. | |
| 6480 | 6500 | 100 | Sandstone, as above. | |
| 6500 | 6510 | 100 | Sandstone, as above, but very fine-fine. | |
| 6510 | 6520 | 100 | Sandstone, as above with dense, white anhydrite stringer. | |
| 6520 | 6540 | 100 | Sandstone, as above without anhydrite. | |
| 6540 | 6550 | 100 | Sandstone, as above with dense, white anhydrite. | |
| 6550 | 6580 | 100 | Sandstone, as above, very fine-medium, without anhydrite. | |
| 6580 | 6590 | 100 | Sandstone, as above with dolomite stringer, white, III/IVFA. | |
| 6590 | 6600 | 100 | Sandstone, as above with dolomite stringer, as above and anhydrite, white, granular. | |
| 6600 | 6630 | 100 | Sandstone, as above. (Poor samples) | |
| 6630 | 6640 | 100 | Sandstone, as above. | |
| 6640 | 6650 | 100 | Sandstone, as above. | |
| 6650 | 6660 | 100 | Sandstone, as above with dolomite partings, tan, IVFA. | |
| 6660 | 6670 | 100 | Sandstone, as above with anhydrite stringer, dense, white. | |
| 6670 | 6680 | 100 | Sandstone, as above. | |
| 6680 | 6700 | 100 | Sandstone, as above. | |
| 6700 | 6720 | 100 | Sandstone, as above, (Poor Samples) | |
| 6720 | 6730 | 100 | Sandstone, as above. | |
| 6730 | 6740 | 100 | Sandstone, as above with dolomite parting, tan, IVFA, trace dead oil stain. | |
| 6740 | 6750 | 100 | Sandstone, as above, very fine-fine. | |
| 6750 | 6760 | 100 | Sandstone, as above. | |
| 6760 | 6770 | 100 | Sandstone, as above. | |
| 6770 | 6780 | 100 | Sandstone, as above. | |

# DITCH SAMPLES

Examined by Bremer 6780 to 7210
Oestrich ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES/LAGGED Not |
|---|---|---|---|---|
| 6780 | 6810 | 100 | Sandstone, very fine-medium, white, dolomitic. | |
| 6810 | 6820 | 100 | Sandstone, as above, very fine-coarse. | |
| 6820 | 6830 | 100 | Sandstone, as above, fine-coarse. | |
| 6830 | 6850 | 100 | Sandstone, as above, very fine-medium. | |
| 6850 | 6900 | 100 | Sandstone, as above. | |
| 6900 | 6950 | 100 | Sandstone, as above. (Poor Samples) | |
| 6950 | 6980 | 100 | Sandstone, as above. " | |
| 6980 | 7020 | 100 | Sandstone, white, silty-very fine, poor samples. | |
| 7020 | 7050 | 100 | Sandstone, as above, Poor Samples. | |
| 7050 | 7090 | 100 | Sandstone, white, very fine-fine, dolomitic. Samples a little better. | |
| 7090 | 7110 | 100 | Sandstone, white, very fine-coarse, dolomitic. | |
| | | | Sample Top - "Permian Carbonates" 7110'. | |
| 7110 | 7130 | 100 | Sandstone, red, silty-very fine, dolomitic. | |
| 7130 | 7140 | | Sample missing. | |
| 7140 | 7150 | 100 | Sandstone, very fine-silty, red, dolomitic, with dolomite partings, pink IVFA. | |
| 7150 | 7160 | 60 | Dolomite, pink, IVFA. | |
| | | 20 | Dolomite, tan, IVFA. | |
| | | 20 | Sandstone, red, silty-very fine, dolomitic. | |
| 7160 | 7170 | 50 | Dolomite, pink, IVFA. | |
| | | 50 | Sandstone, red-pink, silty-very fine, dolomitic. | |
| 7170 | 7180 | 50 | Dolomite, pink, IVFA. | |
| | | 50 | Siltstone, pink, dolomitic. | |
| 7180 | 7190 | 100 | Sandstone, white, very fine, dolomitic. | |
| 7190 | 7200 | 100 | Sandstone, as above, dead oil residue on 2% of sample. | |
| 7200 | 7210 | 50 | Sandstone, very fine-fine, trace dead oil residue. | |
| | | 50 | Dolomite, white, IVFA, with orange chert. | |

# DITCH SAMPLES

Examined by Bremer 7210 to 7510
Seely ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah
Not

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES /LAGGED |
|---|---|---|---|---|
| 7210 | 7220 | 100 | Dolomite, white-tan, III/IVFA with orange chert. | |
| 7220 | 7230 | 100 | Dolomite, pink, IVFA with orange chert. | |
| 7230 | 7240 | 100 | Dolomite, as above, sandy in part, very fine with orange chert. | |
| 7240 | 7250 | 100 | Sandstone, pink, very fine, dolomitic. | |
| 7250 | 7290 | 100 | Sandstone, white, very fine, dolomitic. | |
| 7290 | 7300 | 100 | Sandstone, white, very fine, dolomitic, with occasional coarse quartz grains. | |
| 7300 | 7310 | 100 | Sandstone, as above. | |
| 7310 | 7340 | 100 | Sandstone, white, very fine-fine, dolomitic. | |
| 7340 | 7350 | 100 | Sandstone, as above with abundant dead oil residue, pale, yellow milky cut fluorescence, trace spotty sample fluorescence, with dolomite partings, pink, IVFA, sandy. | |
| 7350 | 7366 | 100 | Sandstone, as above. | |
| 7366 | 7380 | 100 | Dolomite, white-light tan, IVFA. | |
| 7380 | 7390 | 100 | Dolomite, tan, III/IVFA with chert, light blue. | |
| 7390 | 7410 | 100 | Dolomite, pink, IVFA, sandy in part, Poor Samples. | |
| 7410 | 7420 | 100 | Sandstone, lavender, very fine, dolomitic. | |
| 7420 | 7440 | 100 | Siltstone, white-lavender, dolomitic. | |
| 7440 | 7450 | 100 | Sandstone, white, very fine, dolomitic, heavy black residue, trace spotty fluorescence, fair milky yellow cut fluorescence. | |
| 7450 | 7460 | 100 | As above, heavy black residue, trace spotty fluorescence, fair milky yellow cut fluorescence. | |
| 7460 | 7470 | 100 | As above, heavy black residue, trace spotty fluorescence, fair milky yellow cut fluorescence. | |
| 7470 | 7484 | 100 | Sandstone, white, very fine, dolomitic, heavy black residue, 2% sample fluorescence, good milky yellow cut fluorescence. | |
| 7484 | 7495 | 100 | Dolomite, white, III VFA, oolitic with spotty black residue, 4% sample fluorescence, fair milky yellow cut fluorescence. | |
| 7495 | 7510 | 100 | Sandstone, white, very fine, dolomitic, very heavy black residue, trace sample fluorescence, no cut fluorescence. | |

DITCH SAMPLES

Examined by Bremer 7510 to 7880
Seely ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES/LAGGED Not |
|---|---|---|---|---|
| 7510 | 7523 | 100 | Sandstone, as above, heavy black residue, trace sample fluorescence. | |
| 7523 | 7550 | 100 | Dolomite, light gray, IVFA, silty. | |
| 7550 | 7570 | 100 | Dolomite, as above. | |
| 7570 | 7580 | 100 | Dolomite, pink-brown, IVFA, silty in part. | |
| 7580 | 7590 | 100 | Siltstone, brown, dolomitic. | |
| 7590 | 7600 | 100 | Siltstone, gray, dolomitic. | |
| 7600 | 7610 | 100 | Dolomite, pink, IVFA, silty. | |
| 7610 | 7630 | 100 | Dolomite, tan, I/III VFA, silty, spotty dead oil residue. | |
| 7630 | 7650 | 100 | Sandstone, very fine-white-gray, dolomitic, spotty dead oil residue. | |
| 7650 | 7660 | 100 | Siltstone, white, dolomitic. | |
| 7660 | 7670 | 100 | Dolomite, cream, IVFA, with anhydrite crystals. | |
| 7670 | 7690 | 100 | Dolomite, as above with sandstone partings, very fine-medium, dolomitic. | |
| 7690 | 7700 | 100 | Sandstone, white, very fine-fine, dolomitic with dolomite parting, as above. | |
| 7700 | 7710 | 100 | Dolomite, pink, III/IVFA, silty. | |
| 7710 | 7740 | 100 | Dolomite, white-cream, IVFA, tight. | |
| 7740 | 7750 | 100 | Sandstone, white, fine-medium, dolomitic, spotty dead oil residue, no sample fluorescence or cut fluorescence. | |
| | | | Examined by Bremer and Oestrich | |
| 7750 | 7760 | 100 | Sandstone, white, very fine-fine, dolomitic with spotty dead oil residue, no cut fluorescence. | |
| 7760 | 7770 | 100 | Dolomite, light gray, IVFA, sandy with spotty dead oil residue, no cut fluorescence. | |
| 7770 | 7780 | 100 | Dolomite, tan, IVFA with purple shale parting. | |
| 7780 | 7790 | 100 | Dolomite, tan-light gray, IVFA, with anhydrite crystals filling vugs. | |
| 7790 | 7850 | 100 | Sandstone, white-light gray, dolomitic, very fine, with occasional dolomite partings cream-tan, IVFA, occasional chert. | |
| 7850 | 7880 | 100 | Sandstone, white, dolomitic, very fine-fine, faint spotty dead oil residue, no cut fluorescence. | |

DITCH SAMPLES

Examined by Bremer 7880 to 8190
Oestrich ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES / LAGGED Not |
|---|---|---|---|---|
| 7880 | 7900 | 100 | Sandstone, as above, faint spotty dead oil residue, no fluorescence. | |
| 7900 | 7940 | 100 | Sandstone, white, very fine-fine, dolomitic. | |
| 7940 | 7950 | 50 | Sandstone, as above. | |
| | | 50 | Dolomite, tan, IVFA. | |
| 7950 | 7970 | 75 | Sandstone, as above. | |
| | | 25 | Dolomite, as above. | |
| 7970 | 7980 | 100 | Dolomite, tan, IVFA, sandy. | |
| 7980 | 7990 | 50 | Dolomite, as above. | |
| | | 50 | Dolomite, brown, oolitic, dead oil residue, no sample fluorescence, faint milky cut fluorescence, calcite filled fractures. | |
| 7990 | 8000 | 100 | Dolomite, tan, I/III VFA. | |
| 8000 | 8020 | 100 | Dolomite, light tan, I/III VFA, sandy. | |
| 8020 | 8050 | 50 | Dolomite, brown, IVFA, sandy, chert fragment. | |
| | | 50 | Sandstone, white, very fine, dolomitic. | |
| 8050 | 8060 | 60 | Dolomite, brown, IVFA, sandy. | |
| | | 40 | Chert, white. | |
| 8060 | 8070 | 80 | Dolomite, as above. | |
| | | 20 | Chert, as above. | |
| 8070 | 8080 | 100 | Dolomite, tan, IVFA, sandy with anhydrite inclusions. | |
| 8080 | 8100 | 100 | Dolomite, as above with dead oil residue, no sample fluorescence, no cut fluorescence, with anhydrite inclusions. | |
| 8100 | 8120 | 100 | Dolomite, as above, with dead oil residue, no sample fluorescence, no cut fluorescence, with chert inclusions. | |
| 8120 | 8130 | 100 | Sandstone, gray, dolomitic, very fine. | |
| 8130 | 8140 | 100 | Dolomite, tan, IVFA with lime streaks, tan, IVFA. | |
| 8140 | 8150 | 100 | Limestone, light tan, IVFA with dolomite streaks, tan IVFA, very poor spotty dead oil staining, no sample fluorescence or cut fluorescence. | |
| 8150 | 8180 | 100 | Dolomite, white-cream, I/III VFA with abundant chert fragments. | |
| 8180 | 8190 | 100 | As above. | |

## DITCH SAMPLES

Examined by Bremer 8190 to 8280
Oestrich ___ to ___

Well Miller Creek #1
Field or Area Carbon County, Utah

Not SAMPLES/LAGGED

| FROM | TO | % | SHOWS UNDERLINED |
|---|---|---|---|
| 8190 | 8200 | 80 | Dolomite, as above with chert inclusions. |
| | | 20 | Shale, gray, dolomite. |
| 8200 | 8210 | 80 | Dolomite, as above but limy in part with chert inclusions. |
| | | 20 | Shale, as above. |
| 8210 | 8220 | 100 | Limestone, brown, IVFA, dolomitic in part. |
| 8220 | 8230 | 100 | Limestone, brown, IVFA with sandstone partings, very fine, light green. |
| 8230 | 8240 | 100 | Limestone, dark brown, IVFA. |
| 8240 | 8250 | 50 | Limestone, as above. |
| | | 50 | Shale, medium gray-brown, calcareous. |
| 8250 | 8260 | 50 | Shale, black, carbonaceous, calcareous. |
| | | 50 | Limestone, as above. |
| 8260 | 8270 | 70 | Limestone, as above. |
| | | 30 | Shale, as above. |
| 8270 | 8280 | 60 | Limestone, white-gray, I/III VFA. |
| | | 40 | Shale, as above. |

DITCH SAMPLES

Examined by _____ ____to _____
_____ ____to _____

Well Miller Creek
Field or Area Wildcat

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED Not |
|---|---|---|---|---|
| 8280 | 8310 | 100 | Limestone, white to tan, I-IV VFA with shale partings, black carbonaceous calcareous. | |
| 8310 | 8320 | 100 | Shale | |
| 8320 | 8360 | 100 | Limestone, brown, I-III VFA, shale partings, as above. | |
| 8360 | 8370 | 50 | Limestone, brown, I-III VFA. | |
| | | 50 | Shale, as above (black carbonaceous, calcareous with coal partings) | |
| 8370 | 8380 | 100 | Siltstone, brown, calcareous, carbonaceous. | |
| 8380 | 8400 | 100 | Siltstone, as above, with calcite filled fractures, trace pale blue to yellow Spotty Fluorescence, fair milky cut Fluorescence. | |
| 8400 | 8420 | 100 | Siltstone, as above, with sandstone parting white to tan, very fine to medium grain, spotty dead oil residue. | |
| 8420 | 8430 | 100 | Shale, black to gray, calcareous. | |
| 8430 | 8580 | | No Samples - L. C. | |
| 8580 | 8600 | 100 | Sandstone, dark gray, very fine to very argillaceous. | |
| 8600 | 8620 | 100 | Siltstone, light to dark gray in part, siltstone dark gray. | |
| 8620 | 8650 | 100 | Shale, medium to dark gray, trace limestone brown to dark gray, IVFA, slightly cherty. | |
| 8650 | 8670 | 100 | Siltstone, medium to dark gray, trace limestone, as above. | |

DITCH SAMPLES

Examined by Shepard 8670 to 9385
Seeley ___ to ___

Well Miller Creek 1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED NOT |
|---|---|---|---|---|
| 8670 | 8700 | 100 | Shale, dark gray, trace Sandstone, white, very fine to fine | |
| 8700 | 8750 | 100 | Shale, dark gray, calcite veinlets | |
| 8750 | 8790 | 100 | Shale, dark gray, calcite veinlets, pyritic, grading in part to Siltstone | |
| 8790 | 8893 | 100 | Shale, dark gray | |
| 8893 | 8910 | 100 | Shale, brick red to maroon | |
| 8910 | 8920 | 100 | Shale, maroon and pale green | |
| 8920 | 8930 | 100 | Shale, maroon, in part Siltstone, brick red to maroon | |
| 8930 | 8940 | 100 | Siltstone, brick red to maroon, in part Limestone, light gray, IVFA | |
| 8940 | 8950 | 100 | Siltstone, as above | |
| 8950 | 8970 | 100 | Limestone, medium gray, IVFA | |
| 8970 | 9010 | 100 | Sandstone - Siltstone, white, very fine - silt | |
| 9010 | 9040 | 100 | Limestone, dark brown, IVFA | |
| 9040 | 9052 | 100 | Limestone, dark brown - gray, IVFA, argillaceous | |
| 9052 | 9070 | 100 | Anhydrite, Chert, Limestone as above, trace Sandstone, white, very fine | |
| 9070 | 9087 | 100 | Limestone, dark brown - dark gray, IVFA, argillaceous | |
| 9087 | 9090 | 100 | Sandstone, dark brown, very fine | |

EXAMINED BY BREMER & SEELY

| | | | | |
|---|---|---|---|---|
| 9090 | 9100 | 100 | Sandstone, silt - very fine, gray, calcareous | |
| 9100 | 9110 | 100 | Sandstone, as above, with Limestone parting, dark brown, IVFA | |
| 9110 | 9120 | 100 | Sandstone, very fine to fine, brown, calcareous - tight | |
| 9120 | 9140 | 100 | Limestone, brown - gray, IVFA with Sandstone parting, as above | |
| 9140 | 9160 | 100 | Sandstone, white - gray, very fine to fine, calcareous | |
| 9160 | 9165 | 100 | Sandstone, as above with Shale parting, gray | |
| 9165 | 9170 | 100 | Sandstone, as above | |
| 9170 | 9175 | 100 | Shale, gray - light green, non calcareous | |
| 9175 | 9180 | 100 | Sandstone, as above | |
| 9180 | 9185 | 100 | Limestone, tan - dark brown, argillaceous, I/III VFA | |
| 9185 | 9190 | 100 | Limestone, as above | |
| 9190 | 9195 | 100 | Limestone, gray III VFA, argillaceous, sandy | |
| 9195 | 9200 | 100 | Limestone, dark brown, IVFA, argillaceous, Anhydrite parting | |
| 9200 | 9210 | 100 | Limestone, as above | |
| 9210 | 9215 | 100 | Shale, gray - green, non-calcareous, soft | |
| 9215 | 9220 | 100 | Shale, as above, sandy in part | |
| 9220 | 9225 | 100 | Limestone, brown - dark brown, IVFA with Anhydrite partings | |
| 9225 | 9230 | 100 | Limestone, as above | |
| 9230 | 9260 | 100 | Limestone, dark green, IVFA | Samples Very Poor |
| 9260 | 9280 | 100 | Sandstone, white - light brown, very fine to medium, poorly sorted | 9245 --- 9330 |
| 9280 | 9290 | 100 | Limestone, brown IVFA | |
| 9290 | 9305 | 100 | Limestone, as above | |
| 9305 | 9324 | 100 | Sandstone, white, very fine to fine with Limestone partings as above | |
| 9325 | 9335 | 100 | Limestone, brown, IVFA with Anhydrite inclusions | |
| 9335 | 9340 | 100 | Dolomite, brown, I/III VFA, with Anhydrite inclusions | |
| 9340 | 9360 | 100 | Sandstone, white, very fine to fine, Dolomitic | |
| 9360 | 9365 | 100 | Dolomite, brown, III VF-FA with Anhydrite inclusions | |
| 9365 | 9375 | 100 | Sandstone, white, very fine to fine, Dolomitic | |
| 9375 | 9385 | 100 | Dolomite, brown, III/IVFA with Anhydrite inclusions | |

DITCH SAMPLES

Examined by Bremer / Seely — 9385 to 9860 — to ____

Well: Miller Creek #1
Field or Area: Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED — SAMPLES LAGGED NOT |
|---|---|---|---|
| 9385 | 9400 | 100 | Sandstone, red silt - fine |
| 9400 | 9405 | 100 | Dolomite, brown, IVFA |
| 9405 | 9410 | 100 | Sandstone, white, very fine to fine, Dolomitic |
| 9410 | 9415 | 100 | Sandstone, as above with Dolomite parting, brown, I-III VFA |
| 9415 | 9420 | 100 | Sandstone, as above |
| 9420 | 9435 | 100 | Dolomite, I/III VFA, brown, with Anhydrite inclusions |
| 9435 | 9445 | 100 | Sandstone, white very fine to medium, poorly sorted |
| 9445 | 9460 | 100 | Dolomite, brown I/III VFA |
| 9460 | 9470 | 100 | Sandstone, white, Dolomitic very fine to medium, poorly sorted |
| 9470 | 9489 | 100 | Dolomite, tan, IVFA, sandy |
| 9480 | 9490 | 100 | Sandstone, gray, very fine to medium, Dolomitic poorly sorted |
| 9490 | 9500 | 100 | Dolomite, brown, III/IVFA, argillaceous |
| 9500 | 9505 | 100 | Dolomite, as above, with Sandstone parting, white, very fine to fine |
| 9505 | 9520 | 100 | Dolomite, dark brown, III/IVFA, argillaceous, with Anhydrite inclusions |
| 9520 | 9530 | 100 | Dolomite, as above with Sandstone parting, as above with Anhydrite inclusions |
| 9530 | 9540 | 100 | Dolomite, tan, IVFA with Anhydrite inclusions |
| 9540 | 9550 | 100 | Dolomite, brown, I/III VFA with trace B in 40-45 sample |
| 9550 | 9555 | 100 | Dolomite, as above, with Sandstone parting, as above |
| 9555 | 9565 | 100 | Dolomite, as above, argillaceous with Anhydrite inclusions |
| 9565 | 9585 | 100 | Dolomite, dark brown - black, III VFA, argillaceous, with Anhydrite inclusions |
| 9585 | 9590 | 100 | Dolomite, as above with black Shale parting |
| 9590 | 9600 | 100 | Dolomite, as above, with Anhydrite partings and inclusions |
| 9600 | 9605 | 100 | Dolomite, light brown, I/III VFA with Anhydrite inclusions |
| 9605 | 9610 | 100 | Dolomite, gray, I/III VFA, sandy |
| 9610 | 9620 | 100 | Dolomite, brown, III VFA |
| 9620 | 9625 | 100 | Dolomite, gray - brown, I/III VFA |
| 9625 | 9635 | 100 | Dolomite, brown, III VFA with Anhydrite inclusions and gray Shale parting (spotty dead oil stain, no sample fluorescence or cut fluorescence) |
| 9635 | 9655 | 100 | Dolomite, as above, plus B trace |
| 9655 | 9680 | 100 | Dolomite, dark brown, III VFA with Anhydrite inclusions |
| 9680 | 9690 | 100 | Dolomite, tan-brown, I/III VFA with Anhydrite inclusions |
| 9690 | 9730 | 100 | Dolomite, brown, III VF-MA with Anhydrite, B trace from 9690-95 and 9710-9715. traces spotted dead oil residue, no sample fluorescence or cut fluorescence |
| 9730 | 9735 | 100 | Dolomite, I/III VFA, dark brown, with Anhydrite and sand parting white, very fine to fine, with dead oil as above |
| 9735 | 9750 | 100 | Dolomite, gray - brown, I/III VFA, with Anhydrite, and dead oil staining, as above, sand parting - 40-45, as above |
| 9750 | 9775 | 100 | Dolomite, brown I/III VFA, with Anhydrite - samples poor |
| 9775 | 9785 | 100 | Dolomite, tan, I/III VFA with trace B, dead oil residue, no sample fluorescence or cut fluorescence |
| 9785 | 9805 | 100 | Dolomite, tan III VFA, dead oil residue, no sample fluorescence or cut fluorescence with Sandstone parting, white, very fine to fine |
| 9805 | 9815 | 100 | Dolomite, dark brown, III VFA, dead oil, as above |
| 9815 | 9825 | 100 | Dolomite, medium gray, IVFA, silty |
| 9825 | 9835 | 100 | Dolomite, dark brown, I/III VFA with Anhydrite |
| 9835 | 9850 | 100 | Dolomite, gray - light brown, I/III VFA, (trace B - 45-50) with Anhydrite inclusions |
| 9850 | 9860 | 100 | Dolomite, brown, III VFA with spotty dead oil stain, no sample fluorescence or cut fluorescence |

DITCH SAMPLES

Examined by Bremer 9860 to 10115 — to ____

Well Miller Creek #1

Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED NOT |
|---|---|---|---|---|
| 9860 | 9875 | 100 | Dolomite, brown, I/III VFA, B trace with increased spotty dead oil, no sample fluorescence or cut fluorescence | |
| 9875 | 9920 | 100 | Dolomite, tan-brown I/III VFA, B trace, spotty dead oil, no sample fluorescence or cut fluorescence | |
| 9920 | 9925 | 100 | Dolomite, cream, IVFA, oolitic | |
| 9925 | 9935 | 100 | Dolomite, brown, I/III VFA, with B trace, oolitic, dead oil, as above | |
| 9935 | 9955 | 100 | Dolomite, brown, I/III VFA, with Anhydrite inclusions, dead oil, as above, with gray Shale parting from 40-45 | |
| 9955 | 9970 | 100 | Dolomite, brown, IVFA | |
| 9970 | 9985 | 100 | Dolomite, as above, dead oil, as above | |
| 9985 | 9995 | 100 | Dolomite, tan, IVFA | |
| 9995 | 10,010 | 100 | Dolomite, brown, I/III VFA, silty, with trace chert fragments | |
| 10,010 | 10,035 | 100 | Dolomite, as above, without chert and B trace, also dead oil residue, no sample fluorescence or cut fluorescence | |
| 10,035 | 10,045 | 100 | Dolomite, brown, I/III VFA | |
| 10,045 | 10,070 | 100 | Dolomite, as above, with B trace and dead oil residue, no sample fluorescence or cut fluorescence | |
| 10,070 | 10,090 | 100 | Dolomite, as above with B, and heavy black asphaltic residue, no sample fluorescence or cut fluorescence | |
| 10,090 | 10,100 | 100 | Dolomite, as above, with B trace and dead oil, as above, with chert fragments | |
| 10,100 | 10,115 | 100 | Dolomite, tan, I/III VFA, with $B_2C$, and dead oil, as above | |

DITCH SAMPLES

Examined by Bremer 10165 to 10715
Seely ____ to ____

Well Miller Creek #1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED NOT |
|---|---|---|---|---|
| 10,165 | 10,175 | 100 | Dolomite, | brown, I/III VF + B trace, with anhydrite inclusions, dead oil residue, no sample fluorescence or cut fluorescence. |
| 10,175 | 10,210 | 100 | Dolomite, | brown, I/III VF + BC, with anhydrite inclusions, dead oil residue, no sample fluorescence or cut fluorescence. |
| 10,210 | 10,215 | 100 | Dolomite, | as above but B trace with chert fragments, dead oil residue, no sample fluorescence or cut fluorescence. |
| 10,215 | 10,225 | 100 | Dolomite, | as above, without chert. |
| 10,225 | 10,240 | 100 | Dolomite, | brown, III VFA, with anhydrite inclusions and anhydrite-healed fractures. |
| 10,240 | 10,270 | 100 | Dolomite, | as above, with anhydrite inclusions and traces chert. |
| 10,270 | 10,285 | 100 | Dolomite, | brown III/IVFA argillaceous. |
| 10,285 | 10,300 | 100 | Dolomite, | brown, III/IVFA, with anhydrite inclusions, fracture-healed with calcite-anhydrite and traces of chert fragments. |
| 10,300 | 10,320 | 100 | Dolomite, | dark brown, III/IVFA, with anhydrite inclusions. |
| 10,320 | 10,330 | 100 | Dolomite, | tan, III/IVFA, with anhydrite inclusions, dead oil residue, no sample fluorescence or cut fluorescence. |
| 10,330 | 10,340 | 100 | Dolomite, | as above but B trace. |
| 10,340 | 10,370 | 100 | Dolomite, | brown-gray-III/IVFA with anhydrite inclusions, spotty dead oil, residue, no sample fluorescence or cut fluorescence, and chert fragments. |
| 10,370 | 10,400 | 100 | Shale, dark gray, Dolomite, | with black chert fragments. |
| 10,400 | 10,415 | 100 | Dolomite, | tan, IVFA Btrace C trace with anhydrite inclusions, dead oil, residue, no sample fluorescence or cut fluorescence. |
| 10,415 | 10,430 | 100 | Dolomite, | brown, III/IVFA with anhydrite inclusions. |
| 10,430 | 10,485 | 100 | Dolomite, | light brown, IVF-FA B trace with anhydrite inclusions, dead oil residue , no sample fluorescence or cut fluorescence. |
| 10,485 | 10,505 | 100 | Dolomite, | tan, IVF-FA B trace with traces dead oil residue, no sample fluorescence or cut fluorescence. |
| 10,505 | 10,555 | 100 | Dolomite, | tan-brown, III/IVFA, with occasional trace of B, with anhydrite inclusions. |
| 10,555 | 10,595 | 100 | Dolomite, | tan, IVF-FA with occasional trace of B with anhydrite inclusions |
| 10,595 | 10,665 | 100 | Dolomite, | tan-brown, IVFA with anhydrite inclusions. |
| 10,665 | 10,715 | 100 | Dolomite, | brown, I-III VFA with anhydrite inclusions , slightly calcareous. |

## DITCH SAMPLES

Examined by Bremer 10,715 to ____
Seeley ____ to ____

Well Miller Creek #1
Field or Area Carbon County, Utah

| FROM | TO | % | SHOWS UNDERLINED | SAMPLES LAGGED NOT |
|---|---|---|---|---|
| 10,715 | 10,735 | 100 | Dolomite, tan, IVFA. | |
| 10,735 | 10,750 | 100 | Dolomite, gray, I-III VFA with anhydrite inclusions. | |
| 10,750 | 10,785 | 100 | Dolomite, tan III VFA with anhydrite inclusions. | |
| 10,785 | 10,805 | 100 | Dolomite, gray, IVFA with anhydrite inclusions. | |
| 10,805 | 10,828 | 100 | Dolomite, tan-gray, calcareous, IVFA with anhydrite inclusions. | |
| 10,828 | 10,835 | 100 | Core #6, Rec. 6', | |
| 10,835 | 10,851 | 100 | Sandstone, white-gray, very fine coarse, poorly sorted. | |
| 10,851 | 10,854 | 100 | Core #7, Rec. $\frac{1}{5}$'. | |

10,854' core by SLM to 10,852'.

TD - 10,852'.

PD 4-B 8-50

WEEK ENDING_____

CORE FROM_____ TO_____

CORES EXAMINED BY_____

**SHELL OIL COMPANY**

# CORE RECORD

AREA OR FIELD Miller Creek

COMPANY Shell Oil Company

LEASE AND WELL NO. #1

| NO. | FROM | TO | RECOV-ERED | FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE | SYMBOL | OBSERVED DIP | CORE INDICATIONS OIL—GAS / CORE OR DITCH |
|---|---|---|---|---|---|---|---|
| 1 | 940 | 955 | 12' | Sandstone and Siltstone alternating, Sandstone light gray-white, very fine, Siltstone light green, argillaceous. | | | |
| 2 | 955 | 978 | 3' | Siltstone, green, glauconitic, ashy ? (probably part of last portion of Core #1) | | | |
| 3 | 992 | 1018 | 26' | Claystone, gray-green-tan, waxy, sandy and silty with tan IVFA limestone inclusions. | | | |
| 4 | 1018 | 1044 | 26' | Claystone, gray with green and purple mottling. | | | |

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

PD 4-B 8-50

WEEK ENDING 17, May, 58

CORE FROM 10,115 TO 10,165

CORES EXAMINED BY Bremer, Oestrich

# SHELL OIL COMPANY

# CORE RECORD

AREA OR FIELD Carbon County, Utah

COMPANY Shell Oil Company

LEASE AND WELL NO. Miller Creek #1

| NO. | FROM | TO | RECOV-ERED | FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE | SYMBOL | OBSERVED DIP | CORE INDICATIONS OIL—GAS / CORE OR DITCH |
|---|---|---|---|---|---|---|---|
| 5 | 10115 | 10165 | 50' | (CORES 1 THROUGH 4 WERE CUT FOR U.S. STEEL) | | | |
| | 10115 | 10121 | 6' | Dolomite, dark brown, I-III VFA $B_2$ $C_1$ with Anhydrite inclusions and calcite-filled vertical fractures. | | | Minor gas bubbles and heavy asphaltic type material in vugs. |
| | 10121 | 10124 | 3' | Dolomite, as above with $B_2$ C trace, vertical fractures partially open | | | |
| | 10124 | 10126 | 2' | Dolomite, as above with $B_1$ C trace, calcite-filled vertical fractures | | | |
| | 10126 | 10131 | 5' | Dolomite, as above with B trace, C trace, calcite-filled vertical fractures | | | |
| | 10131 | 10135 | 4' | Dolomite, as above with $B_1$ $C_1$, calcite-filled vertical fractures | | | |
| | 10135 | 10140 | 5' | Dolomite, as above with $B_1$ $C_2$, calcite-filled vertical fractures and Anhydrite inclusions. | | | |
| | 10140 | 10143 | 3' | Dolomite, as above with B trace, calcite-filled vertical fractures | | | |
| | 10143 | 10145 | 2' | Dolomite, as above with $B_1$, C trace, chert parting, 3" @ 10143 | | | |
| | 10145 | 10165 | 20' | Dolomite, as above with B trace, chert inclusions, partially opened fractures. | | | |
| | | | | Note: Occasional styolites throughout core and faint odor throughout core. | | | |

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

PD 4-B 8-50

WEEK ENDING

CORE FROM 10,828 TO 10,835

CORES EXAMINED BY Bremer, Seely

# SHELL OIL COMPANY

# CORE RECORD

AREA OR FIELD Carbon County, Utah

COMPANY Shell Oil Company

LEASE AND WELL NO. Miller Creek #1

| NO. | FROM | TO | RECOVERED | FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE | SYMBOL | OBSERVED DIP | CORE INDICATIONS OIL—GAS CORE OR DITCH |
|---|---|---|---|---|---|---|---|
| 6 | 10,828 | 10,835 | 6' | | | | |
| | 10,828 | 10,833 | | Dolomite, dark gray, IVFA with anhydrite and calcite-filled fractures. | | | |
| | 10,833 | 10,834 | | Sandstone, white-gray, very fine - medium, silty-calcareous. | | | No indication of oil or gas present in core. |
| 7 | 10,851 | 10,854 | 1/2' | | | | |
| | 10,851 | 10,851.5 | | Sandstone, gray, very fine-coarse, calcareous, very tight. | | | No indication of oil or gas present in core. |

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

Form OGCC-1

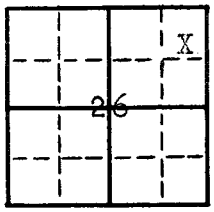
(SUBMIT IN DUPLICATE)

LAND:

Fee and Patented ☐
State ☒
Lease No. .....

Public Domain ☐
Lease No. .....

Indian ☐
Lease No. .....




# STATE OF UTAH
# OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

# 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 Altering Casing | |
| Notice of Intention to Redrill or Repair | | Subsequent Report of Redrilling or Repair | |
| Notice of Intention to Pull or Alter Casing | | Supplementary Well History | |
| Notice of Intention to Abandon Well | | Subsequent Report of Abandonment | X |
| | | | |

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

October 31, 19 58

Miller Creek
Well No. #1 is located 660 ft. from {N / ~~S~~} line and 660 ft. from {E / ~~W~~} line of Sec. 26

NE 26 (¼ Sec. and Sec. No.) | 15S (Twp.) | 10E (Range) | SLBM (Meridian)

Wildcat (Field) | Carbon (County or Subdivision) | Utah (State or Territory)

Kelly Bushing
The elevation of the ~~derrick floor~~ above sea level is 5514.1 feet.

A drilling and plugging bond has been filed with State of Utah.

## 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 work, surface formation, and date anticipate spudding-in.)

Abandonment Work:

1. Place plugs as follows: 25 sacks cement at 9500'
   25 sacks cement at 8100'
   25 sacks cement at 4850'
   25 sacks cement at 3900'
   50 sacks cement at 2500'
   60 sacks cement at 1000'
2. Located top of cement at 950'
3. Plugged top of casing with 10 sack cement cap, installed marker and abandoned 5-29-58.

SE of Price

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

Company Shell Oil Company

Address 705 West Municipal Drive
Farmington, New Mexico

By B. W. Shepard
B. W. Shepard
Title Exploitation Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

W

5 mi
S44SE of
Price

State of Utah
Oil & Gas Conservation Commission
~~Room 140 State Capitol Bldg.~~
Salt Lake City, Utah

Ready for Inspection

George Pattrick
31 E. Main
Price, Utah

Send copy to

January 28, 1960

Shell Oil Company
705 West Municipal Drive
Farmington, New Mexico

Attention: B. W. Shepard,
Exploitation Engineer

Gentlemen:

Re: Well No. Miller Creek 1, Sec. 26, T. 15 S, R. 10 E, SLBM, Carbon County, Utah.

Core Drilling Record - From 1044' to 10,115 is missing.

On checking thru' our file on the above mentioned well we have discovered that the Core Drilling Record that you filed with us February 18, 1958, does not have the core data recorded on the well from 1044' to 10,115'.

It would be greatly appreciated if you would furnish us with this information as soon as possible.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:cp

SHELL OIL COMPANY
DESERET NEWS BUILDING
33 RICHARDS STREET
SALT LAKE CITY 1, UTAH

DAvis 2-0471
TELEPHONE ~~22-0471~~

February 11, 1960

Utah Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

Attention Cleon B. Feight, Executive Secretary

Gentlemen:

Enclosed herewith are the Core Records and Ditch Sample Records for our Miller Creek #1 Well, Carbon County, Utah, as requested by your memo of January 28, 1960. If you need any other records for this well please notify us and we will furnish same.

Very truly yours,

B. Kazarian

B. Kazarian
Production Representative

Enclosure

Cores Not Recorded
From 1044 to 10,115 feet.
CO

February 16, 1960

Shell Oil Company
Deseret News Building
33 Richards Street
Salt Lake City, Utah

Attention: B. Kazarian,
Production Representative

Re: Shell Oil Company - Well No. Miller Creek 1, Carbon County - Core Records

Gentlemen:

Thank you for your letter of February 11, 1960 and the accompanying Core Records and Ditch Samples on the above mentioned well.

We appreciate your assistance in helping us complete our file on this well.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co