

FILE NOTATIONS

Entered in NID File
 Entered On S R Sheet
 Location Map Pinned
 Card Indexed
 I W R for State or Fee Land

Checked by Chief RJD
 Copy NID to Field Office
 Approval Letter
 Disapproval Letter

COMPLETION DATA:

Date Well Completed 11-7-60
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 2-2-61
 Electric Logs (No.) 3

E _____ I _____ E-I GR _____ GR-N 1 Micro
 Lat _____ Mi-L _____ Sonic _____ Others _____

Henry M. Carl - Farming

Well Requested to be held "Confidential" by telephone conversation with Shell Representative (Mr. Carl) on November 9, 1960.

		21	
		X	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. U 01071
Unit Sunset Canyon

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)

May 13, 1960

Sunset Canyon
Well No. Unit 1 is located 466 ft. from SW line and 1772 ft. from W line of sec. 21
SW SE 21 22S 4W S.L.B.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wilcox Hillard Utah
(Field) (County or Subdivision) (State or Territory)

The elevation ~~at the bottom of the casing~~ is 6900 ft. (approx. ground)

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)

Proposed Work

1. Drill 13-3/4" hole to 800'±.
2. Run and cement 10-3/4", 32.75#, J-55 casing at 800' with 500 sacks cement (circulated).
3. Drill 9" hole to 7500' (objectives Triassic, Permian, Pennsylvanian and Mississippian carbonates).
4. If commercial production is obtained a supplementary completion notice will be issued.

Surface formation is Triassic-Moenkopi.

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

Company Shell Oil Company

Address Post Office Box 156

Farmington, New Mexico

Original signed by
By R. S. Mac ALISTER, JR.
R. S. Mac Alister, Jr.
Title Division Exploitation Eng.

R. 4 W.

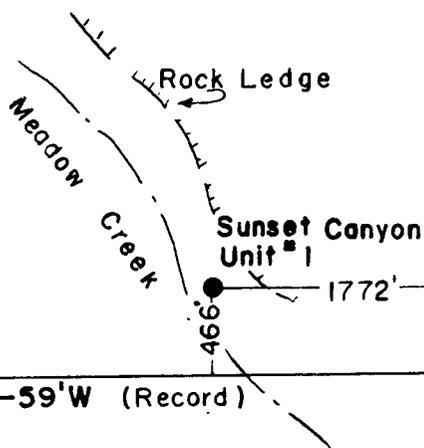
T.
22
S.

SECTION 21

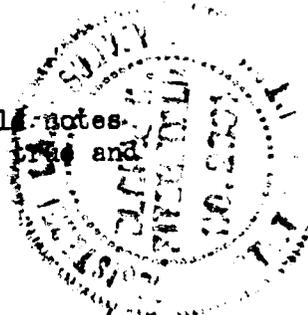
Fd. Rock
Corner

N89°-59'W (Record)

Fd. Rock
Corner



This is to certify that the above plat was plotted from field notes of a survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Clare H. Fitzgerald
L.S. # 2334

DRAWN BY B.H.F

CHECKED BY

DATE 5-9-60

SHELL OIL COMPANY

SCALE 1" = 1000'

Z- 20-1207

LOCATION OF SUNSET CANYON UNIT # 1
Section 21 T.22 S. R.4 W. S.L.B. M.
Millard County Utah



SHELL OIL COMPANY

Post Office Box 1200
Farmington, New Mexico

May 23, 1960

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

Gentlemen:

We are attaching the notice to drill for our Sunset Canyon Unit 1 in Section 21, T. 22 S., R. 4 W., Millard County, Utah. We request your approval of the unorthodox location of this well for topographic reasons. The well is located in the canyon of Meadow Creek and the creek bed runs through the middle of the 40-acre tract upon which we wish to drill (see attached survey plat). We feel that moving the well closer to the orthodox location would entail undue risk of contamination of the creek during the drilling operation. More northerly positioning of the well would place it on the steep canyon slope resulting in an inordinately high cost of preparing the location. Therefore, your approval of our proposed location is respectfully requested.

Very truly yours,


R. R. Robison
Division Production Manager

Attachments

cc - U.S.G.S.
451 Federal Building
Salt Lake City, Utah

May 25, 1960

Shell Oil Company
P. O. Box 158
Farmington, New Mexico

Attention: R. S. MacAlister, Jr., Div. Exploitation Eng.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Sunset Canyon Unit 1, which is to be located 466 feet from the south line and 1772 feet from the east line of Section 21, Township 22 South, Range 4 West, SLM, Millard County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted under Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Oil and Gas Conservation Commission, State of Utah.

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

Under Rule A-3, the approval of this Commission is not necessary when an unexecuted copy of the unit agreement is on file with this office. In such a case, it is only necessary to file copies of all notices of intention and subsequent reports that are filed with the United States Geological Survey.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,
EXECUTIVE SECRETARY

CBF:awg

cc: Don F. Russell, Dist. Eng.
U. S. Geological Survey
Salt Lake City, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER U 04971
UNIT Sunset Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Millard Field Wildcat - Sunset Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1960,

Agent's address Post Office Box 1200 Company Shell Oil Company
Farmington, New Mexico Original Signed by W. M. MARSHALL
Signed _____

Phone Devils 5-8811 Agent's title Div. Exploitation Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 SW SE	22S	4N	1	-	-	-	-	-	-	Spudded 7-16-60 Drilling @ 959'

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City, Utah

Lease No. U 04071

Unit Sunset Canyon

		21	
		X	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

August 11, 19 60

Sunset Canyon

Well No. Unit 1 is located 466 ft. from {N} line and 1772 ft. from {E} line of sec. 21

SW SE 21 225 1W S1E4
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Millard Utah
(Field) (County or Subdivision) (State or Territory)

The elevation ~~of the wellhead from the datum~~ is 6900 ft. (approx. ground)

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)

Spudded 7-26-60

7-26-60 Ran and cemented 16" conductor pipe at 47' with 25 sacks cement.
To Drilled to 225', conductor pipe came free, pulled conductor pipe.
7-28-60

8-4-60 Ran and cemented 10-3/4", 40.5#, J-55 casing at 740' with 500 sacks cement, last 200 sacks treated with 3% calcium chloride. Good returns to surface. Flanged up and united on cement. Pressure tested casing and BOP with 1000 psi, OK.

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

Company Shell Oil Company

Address Post Office Box 1200

Farmington, New Mexico

By B. W. Shepard

Title Exploitation Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER H 04071
UNIT Sunset Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Hillard Field Wildcat - Sunset Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 19 60,

Agent's address Post Office Box 1200 Company Shell Oil Company

Farmington, New Mexico Signed Original Signed By

Phone Davis 5-8811 Agent's title Div. Exploitation Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 SW SE	22S	1W	1	-	-	-	-	-	-	Drilling @ 4090'

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Copy to H.C. R.J.S.
Budget Bureau No. 42-2386.4
Approval expires 12-31-60.
LAND OFFICE Salt Lake City, Utah
LEASE NUMBER U 04071
UNIT Sunset Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Millard Field Wildcat - Sunset Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1960,

Agent's address Post Office Box 1200 Company Shell Oil Company
Farmington, New Mexico Original signed by B. W. SHEPARD
Signed

Phone DAvis 5-8811 Agent's title Exploitation Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 SW SE	22S	4W	1	-	-	-	-	-	-	Drilling at 6628'

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Aug 180

Budget Bureau No. 49-2000
Approval expires 12-31-62

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER U 04071
UNIT Sunset Canyon

4302711038

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Millard Field Wildcat - Sunset Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 60,

Agent's address Post Office Box 1200 Company Shell Oil Company
Farmington, New Mexico Signed B. W. SHEPARD

Phone Davis 5-8811 Agent's title Exploitation Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 SW SE	22S	4N	1	-	-	-	-	-	-	TD 8962'. Fishing.

PR

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NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Copy to HC R28

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

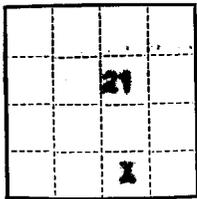
Form 9-381a
(Feb. 1951)

Land Office Salt Lake City, Utah

(SUBMIT IN TRIPLICATE)

(Lease No. W24071)

Unit Sunset Canyon



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

November 3, 1960

Well No. Sunset Canyon Unit 1 is located 466 ft. from W line and 1772 ft. from E line of sec. 21

SW SE 21 (1/4 Sec. and Sec. No.) 22B (Twp.) 4W (Range) S12M (Meridian)

Wilcox (Field) Millard (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bushing ~~marker~~ above sea level is 6501.4 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)

Status: Total Depth - 8962'
Casing - 10-3/4 at 740'
Hole size - 9" from 740' to 8962' (Fish in hole from 5740 to 8962 consisting of 7 drill collars, 1 bit reamer, 1 stabilizer and 9" bit)

Proposed Work:

- Plug with open end drill pipe hung as follows:
 - 6850' with 75 sacks cement (6750-6850-across top of Devonian)
 - 5340' with 75 sacks cement (5240-5340-across top of Pennsylvanian)
 - 3470' with 75 sacks cement (3370-3470-across top of Permian)
 - 800' with 100 sacks cement (700-800-across surface casing shoe)
- Feel for top plug, recement if not above 700'.
- Cement at surface with a 10 sack cement plug, install marker, (Over)

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

Company Shell Oil Company

Address P. O. Box 1200

Farmington, New Mexico

Original

Original Signed By

W. M. MARSHALL

By _____

W. M. Marshall

Title Division Exploitation Engineer

Note: Verbal approval to abandon was given by D. F. Russell, U.S.G.S., and R. L. Schmidt and C. B. Faight of the Utah Oil and Gas Conservation Commission to K. A. Hauptfleisch on 11-2-68.

UTAH OIL AND GAS CONSERVATION COMMISSION

ABANDONMENT OF OIL AND GAS WELLS

NAME OF WELL	NO. OF WELLS
DATE OF ABANDONMENT	REASON FOR ABANDONMENT
APPROVED BY	DATE

The following wells are being abandoned as shown on the attached map and are being abandoned in accordance with the provisions of the Utah Oil and Gas Conservation Act.

DETAILS OF WORK

NOV 7 1968

W. M. MARCHAL
Oil and Gas Conservation Commission

Copy to HC RJS

Budget Bureau No. 42-R388.4
Approval expires 12-31-60.

FORM 9-881a
(Feb. 1961)

(SUBMIT IN TRIPLICATE)

Land Office **SALT LAKE CITY, UTAH**

Lease No. **U-04071**

Unit **Sunset Canyon**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

		21	
			X

HW
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SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
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)

November 18, 19 60

Sunset Canyon
Well No. Unit 1 is located 446 ft. from ^{SW}S line and 1772 ft. from ^EW line of sec. 21

SW SE 21 22 S 4 W S. L. B. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Millard Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly Bushing ~~conductor~~ above sea level is 6501.4 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)

Abandonment Work:

- Plugged through open end drill pipe as follows:
 - 75 sacks cement 6658-6850
 - 75 sacks cement 5165-5340
 - 75 sacks cement 3288-3470
 - 100 sacks cement 603-800 (across shoe of surface casing)
- Located top of cement in surface casing at 603'.
- Cemented at surface with 10 sack cement plug, installed marker and abandoned 11-4-60.

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

Company **Shell Oil Company**

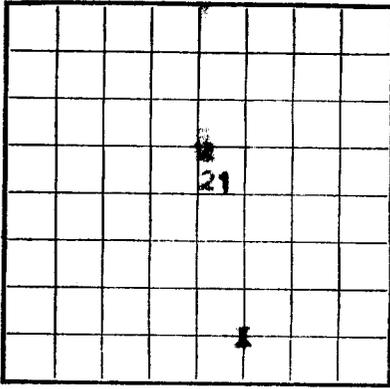
Address **P. O. Box 1200**

Farmington, N. M.

Original Signed By **W. M. MARSHALL**
W. M. Marshall
Title **Division Exploitation Engineer**

Note: Reserve mud pits have not been filled in as of this date. Estimated location clean-up completed date 12-20-60.

U. S. LAND OFFICE Salt Lake City, Utah
SERIAL NUMBER U-04071
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P. O. Box 1200, Farmington, N. M.
Lessor or Tract Sunset Canyon Field Wildcat State Utah
Well No. Unit 1 Sec. 21 T. 22S R. 4W Meridian S.L.B.M. County Millard
Location 466 ft. ^[N.]_[S.] of S. Line and 1772 ft. ^[E.]_[W.] of E. Line of Section 21 Elevation 6501.4 KB
(Denote feet 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 W. M. Murshee

Date November 21, 1960 Title Division Exploitation Engineer

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

Commenced drilling July 26, 1960 Finished drilling October 27, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to None No. 4, from None to None
No. 2, from None to None No. 5, from None to None
No. 3, from None to None No. 6, from None to None

IMPORTANT WATER SANDS

No. 1, from None to None No. 3, from None to None
No. 2, from None to None No. 4, from None to None

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
<u>13-3/8</u>	<u>74</u>	<u>500</u>	<u>Displacement</u>	<u>---</u>	<u>---</u>				

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8</u>	<u>74</u>	<u>500</u>	<u>Displacement</u>	<u>---</u>	<u>---</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD | MARK

FOLD MARK

13-3/4

740

500

Displacement

PLUGS AND ADAPTERS

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 feet to feet, and from feet to feet

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

DATES

abandoned as "dry hole" 19.....

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

....., Driller **Great Western Drilling Co.**, Driller

....., Driller, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	125	125	Shinarump
125	3423	3298	Moenkopi
3423	3994	571	Kaibab
3994	4753	759	Toroweap
4753	4960	207	Supai
4960	5287	327	Pakoon
5287	5595	308	Callville
5595	5852	257	Great Blue Limestone
5852	6308	456	Humbag
6308	6435	127	Pine Canyon
6435	6798	363	Gardner Dolomite
6798	7086	288	Simonsen
7086	7868	782	Sevy
7868	8210	342	Laketown
8210	8265	55	Fishhaven
8265	—	—	Fault - Sevy

FEB 2 1961

SHELL OIL COMPANY

WELL NO. Unit 1

DRILLING REPORT
 FOR PERIOD ENDING

Sunset Canyon

5 August 1960

(SECTION OR LEASE)
Sec. 21, T. 22S., R. 4W., S1EM
 (TOWNSHIP OR RANCHO)

Wildcat

(FIELD)

Millard County, Utah

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
			Location: 466' N. and 1772' W. of southeast corner Section 21, T. 22 S., R. 4 W., S.L.B.M., Millard County, Utah Elevation: DF 6499.9, GR 6492.0, KB 6501.4
7-26	0	47'	Drilled 47'. Spudded, 13-3/4", at 6:00 P.M. Opened hole to 20". Ran 45' 16" conductor pipe. Cemented with 25 sacks neat cement at 47'. Deviation 0° @ 40'.
7-27	47	108'	Drilled 61'. 13-3/4" hole. Cement on conductor pipe broke loose while drilling at 85'. Deviation 1/4° @ 60'.
7-28	108	225'	Drilled 117'. Pulled conductor pipe at 114'. Drilled ahead with 9" bit. Deviation 1/2° @ 110', 1/4° @ 160' and 3/4° @ 215'.
7-29	225	512'	Drilled 287'. Lost circulation at 490', approximately 50 barrels mud. Deviation 0° @ 290', 1° @ 365', 1° @ 400' and 1-1/4° @ 450'.
7-30	512	559'	Drilled 47'. Opened 81' hole to 13-3/4" (114-195). Lost circulation, 20 barrels. Deviation 1-1/2° @ 515' and 2° @ 550'.
7-31 to 8-2	559	610'	Reamed 9" hole to 13-3/4". Twisted off; recovered with Bowen overshot. Drilled 51', 13-3/4" hole. Deviation 2° @ 560', 2° @ 594', 2° @ 608'.
8-3	610	709'	Drilled 99'. 13-3/4" hole to 668', 9" hole to 709'. Deviation 3° @ 690'.
8-4	709	741'	Drilled 32'. 9" hole. Deviation 2-3/4° @ 720'. Reamed to 13-3/4". Ran 40.5 pounds per foot H-40 casing to 740' and cemented with 500 sacks Ideal neat cement, last 200 sacks treated with 3% CaCl ₂ , 14-16 pounds per gallon slurry.
8-5	741	741'	Waiting on cement. Cleaned up, tested casing head with 3200 psi for 10 minutes, and pipe rams and Hydril each at 1000 psi for 30 minutes.
			End

CONDITION AT END OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
13-3/4"	0	741	10-3/4"	740'
9"	741	-		
DRILL PIPE SIZES				

Avg. Mud: 9 - 9.5, 35 - 43, 19 - 38,
 2/32, 8.5 - 9.5

A. V. Humphrys, Jr.

SIGNED

SHELL OIL COMPANY

WELL NO. Unit 1

Wildeat

(FIELD)

Millard Co., Utah

(COUNTY)

DRILLING REPORT
 FOR PERIOD ENDING

8-17-60

Sunset Canyon

(SECTION OR LEASE)

T21-22S., R1W., S.L.B.M.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-6 to 8-17	741	2418	Drilled 1677' Deviations: 3 deg. @ 746' 3 deg. @ 810' 3 1/4 deg. @ 866' 3 1/2 deg. @ 896' 3 1/2 deg. @ 965' 4 deg. @ 1018' 3 deg. @ 1070' (?) 4 deg. @ 1077' 3 3/4 deg. @ 1120' 4 1/4 deg. @ 1180' 4 deg. @ 1210' 4 3/4 deg. at 1262' 5 deg. @ 1312' 5 deg. @ 1354' 4 3/4 deg. @ 1414' 4 1/2 deg. @ 1454' 4 deg. @ 1467' 4 deg. @ 1506' 4 deg. @ 1546' 4 deg. @ 1576' 4 deg. @ 1606' 4 deg. @ 1636' 3 3/4 deg. @ 1692' 4 3/4 deg. @ 1742' 4 1/2 deg. @ 1780' 4 1/2 deg. @ 1799' 4 1/2 deg. @ 1832' 4 1/2 deg. @ 1862' 4 deg. @ 1935' 4 1/2 deg. @ 1947' 4 deg. @ 2019' 4 1/4 deg. @ 2071' 4 deg. @ 2102' 5 deg. @ 2157' 5 3/4 deg. @ 2197' 5 3/4 deg. @ 2217' 5 1/4 deg. @ 2250' 5 deg. @ 2269' 5 deg. @ 2309' 4 1/2 deg. @ 2358' 5 deg. @ 2380' 4 1/2 deg. @ 2411'

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
13-3/4"	0'	741'	10-3/4"	740'
9"	741'	2418'		
DRILL PIPE SIZES				
4-1/2				

Avg. Mud Properties:

Wt. 9.1 PH 8.0
 Vis 37 Sal. Tr.
 W.L. 6.0
 F.C. 1/32

2

A. V. Humphrys, Jr.

Sunset Canyon

(FIELD)

Millard, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

August 18 - September 9, 1960

21

(SECTION OR LEASE)

T. 22 S., R. 4 W.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS	Hole Surveys	
	FROM	TO			
8-18 to 8-27	2418	3616	Drilled 1195' Lost about 15 bbls. mud @ 2504. Lost about 50 bbls. mud @ 3380. Lost circulation @ 3420. Mixed mud 14 hrs., total mud lost 500 bbls. Core No. 1, 3613-20. Recovered 7'. Depth corrected to 3616 @ base of core.	4-1/2° @ 2437 4° @ 2500 4° @ 2634 4-3/4° @ 2796 4-1/2° @ 2917 4-1/2° @ 3080 4-3/4° @ 3233 4-1/2° @ 3405 5-1/2° @ 3558 5° @ 3740 4-3/4° @ 3872 3-1/2° @ 4304 3° @ 4628	4-1/2° @ 2583 4-1/2° @ 2704 5° @ 2860 4° @ 2979 4-3/4° @ 3163 4-1/2° @ 3313 5-1/4° @ 3500 5-3/4° @ 3563 4-3/4° @ 3788 3-1/2° @ 4090 3° @ 4464
8-28 to 9-4	3616	4477	Drilled 861'.		
9-5	4477	4507	Core No. 2, 4477-4507. Recovered 26-1/2+ feet. (2' depth correction prior to core.)		
9-6 to 9-7	4507	4694	Drilled 187'. Ran Schlumberger IES, GRN to 4629'.		
				<u>Average Mud Properties</u> WI 8.9 - 9.1 Vis. 46 Filter loss 12.0 Cake 1/32 PH 8.0 Temp. 90°, Sand 3/4%	
9-7 to 9-8	4694	4825	Drilled 131'.		
9-9	4825	4885	Drilled 60'. Lost circulation at 4880' (approx. 10 bbls.). Dev. 3° @ 4826'.		

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
13-3/4	0	741	10-3/4	740
9"	741	2418		
DRILL PIPE SIZES				
4-1/2				

3

Andrew Boush

SIGNED

Sunset Canyon

(FIELD)

Millard, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

September 10 - September 29, 1960

21

(SECTION OR LEASE)

T. 22 S., R. 4 W.

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
9-10 to 9-13	4885	5341	Drilled 456'. Dev. 3-1/4° @ 5181'. Mud: 8.8/41/8.0/1/32
9-14 to 9-15	5341	5417	Drilled 72'. Cored 4', 5380-5384'. No recovery. Dev. 4° @ 5352'. Mud: 8.8/42/7/1/32
9-16	5417	5457	Drilled 33'. Cored 7', 5450-5457'. Recovered 7'. Core #4.
9-17 to 9-27	5457	6484	Drilled 1027'. Dev. 5° @ 5611', 5° @ 6007', 5° @ 6159', 5-1/4° @ 6432'. Mud: 8.7/41/6.6/1/32
9-28 to 10-1	6484	6687	Drilled 147'. Cored 56'. Core #5, 6494-6507'. Recovered 12'. Core #6, 6597-6640'. Recovered 40'. Mud: 9.1/44/6.6/1/32
10-2 to 10-15	6687	7978	Drilled 1291'. Dev. 5-3/4° @ 6800', 5-1/4° @ 6901', 5° @ 6986', 5-3/4° @ 7073', 5-3/4° @ 7144', 5-3/4° @ 7279', 7° @ 7491', 7° @ 7491', 7° @ 7643', 6° @ 7835'. Mud: 9.4/40/7.8/2/32
10-16 to 10-17	7978	8079	Drilled 49'. Cored 46'. Core #7, 8033-8079. Recovered 46'. Dev. 6-3/4° @ 8027'. Mud: 9.3/41/5.6/2/32
10-18 to 10-24	8079	8722	Drilled 643'. Dev. 6-3/4° @ 8466'. Mud 9.2/38/6.0/1/32
10-25	8722	8771	Drilled 25'. Cored 24'. Core #8, 8722-8746'. Recovered 24'.
10-26 to 10-29	8771	8962	Drilled 185'. Cored 6'. Core #9, 8956-8962'. Recovered 6'. Mud: 9.2/40/6.4/1/32 Repaired drum clutch.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
13-3/4 9	0 741	741 4885	10-3/4	740
DRILL PIPE SIZE 4-1/2 FH				

4

A. V. Humphrys, Jr.

SIGNED

SHELL OIL COMPANY

WELL NO. Unit 1

Sunset Canyon

DRILLING REPORT

21

(FIELD)

FOR PERIOD ENDING

(SECTION OR LEASE)

Millard, Utah

October 30 - November 4, 1960

T. 22 S., R. 4 W.

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
10-30 to 11-3	8962 (TD)		While pulling pipe (three stands off bottom) after conditioning hole for logging, drilling line broke at drum, dropping blocks and pipe to rotary table. Restrung and repaired blocks. Pulled out, leaving 14 drill collars, 1 stabilizer, 1 reamer and 9" bit in hole. Top of fish at 8540'. Ran overshot and jars. Pulled 300,000#. Fish stuck, unable to circulate. Jarred on fish, no results. Ran Dia-Log Free Point indicator to 8929'. Made three string shots and backed off at 8740', leaving 7 drill collars, 1 stabilizer, 1 reamer and 9" bit in hole. Abandoned further efforts to recover fish. Ran Schlumberger IES, GRN, ML, CDM-P and Velocity Survey to 8730'.
11-4			With open end drill pipe plugged as follows: 75 sacks cement 6668-6850 75 sacks cement 5165-5340 75 sacks cement 3288-3470 100 sacks cement 603- 800 Cemented at surface with 10 sack cement plug, installed marker. Released rig 10:00 P.M., 11-4-60. Abandoned.

Contractor: Great Western Drilling Company

Contractor Pusher: Dave Beard
 Drillers: H.O. Welsh
 A. Easley
 L.W. Rambo

Co. District Drlg. Foreman: H.H. Brigham

Drilling Foreman: P.D. Martin
 C.L. Christiansen

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
13-3/4 9	0 741	741 8962	10-3/4	740
DRILL PIPE SIZE 4-1/2				

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R. D. Coles

SIGNED

SHELL OIL COMPANY

WEEK ENDING October 17, 1960

AREA OR FIELD Sunset Canyon

CORE FROM 8033 Feet to 8079 Feet

CORE RECORD

COMPANY Shell Oil Company

CORES EXAMINED BY A. Humphrys

LEASE AND WELL NO. Unit No. 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	COI INDICA OIL- CORE OR
Core # 7 8033-8079 Cored 46'. Recovered 46'							
General Description:				Dolomite, gray brown, sucrosic, stylolitic, with numerous anhydrite filled vertical fractures. No shows			None
	8033	8035	2'	Dolomite, dark gray brown, III/IVF-FA			
	8035	8036	1'	Dolomite, medium gray brown, III/IVF-FA		0° ±	
	8036	8039	3'	Dolomite, medium gray brown, III/IVFA			
	8039	8040	1'	Dolomite, medium gray brown, III/IVF-FA			
	8040	8041	1'	Dolomite, dark gray brown, III/IVF-FA			
	8041	8042	1'	Dolomite, medium-dark gray brown, as above			
	8042	8044	2'	Dolomite, as above III/IVFA			
	8044	8045	1'	Dolomite, as above, III/IVF-FA			
	8045	8049	4'	Dolomite, dark gray brown, as above			
	8049	8050	1'	Dolomite, as above, III/IVFA		8046-53	
	8050	8051	1'	Dolomite, medium brown-dark gray brown, III/IVF-FA		52-150	
	8051	8055	4'	Dolomite, medium-dark gray brown, as above			
	8055	8056	1'	Dolomite, as above, III/IVFA			
	8056	8057	1'	Dolomite, as above, I/IIIIVFA			
	8057	8058	1'	Dolomite, dark gray brown, as above		0°±	
	8058	8059	1'	Dolomite, medium gray brown, III/IVF-FA			
	8059	8060	1'	Dolomite, medium brown-medium gray brown, III/IVF-MA			
	8060	8061	1'	Dolomite, medium-dark gray brown, III/IVF-MA			
	8061	8062	1'	Dolomite, medium gray brown, IVFA			
	8062	8063	1'	Dolomite, medium-dark gray brown, as above		0°-50°	
	8063	8064	1'	Dolomite, light-medium gray brown, III/IVF-MA			
	8064	8066	2'	Dolomite, medium-dark gray brown, III/IVF-MA			
	8066	8068	2'	Dolomite, medium gray brown, as above			
	8068	8072	4'	Dolomite, tan-medium gray brown, as above			
	8072	8074	2'	Dolomite, medium gray brown, I/III V-F-MA			
	8074	8076	2'	Dolomite, medium-dark gray brown, III/IVF-MA			
	8076	8079	3'	Dolomite, as above, III/IVF-FA			
			46'				

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SHELL OIL COMPANY

WEEK ENDING October 25, 1960

CORE FROM 8722 TO 8746

CORES EXAMINED BY A. Humphrys

CORE RECORD

AREA OR FIELD Sunset Canyon

COMPANY Shell

LEASE AND WELL NO. Unit No. 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
Core #8 8722-8746' Cored 24', Recovered 24'							
8722	8724	2'		<u>Dolomite</u> , light gray, IVFA, stylolitic			None
8724	8728	4'		<u>Dolomite</u> , as above, highly fractured			
8728	8730	2'		<u>Dolomite</u> , as above, without fractures			
8730	8731	1'		<u>Dolomite</u> , as above, with white crystalline anhydrite			
8731	8734	3'		<u>Dolomite</u> , as above, without anhydrite			
8734	8738	4'		<u>Dolomite</u> , as above, highly fractured			
8738	8740	2'		<u>Dolomite</u> , as above, without fractures			
8740	8741	1'		<u>Dolomite</u> , as above, with pyrite			
8741	8744	3'		<u>Dolomite</u> , as above, without pyrite			
8744	8746	2'		<u>Dolomite</u> , as above, highly fractured			

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SHELL OIL COMPANY

WEEK ENDING October 29, 1960

CORE FROM 8956 TO 8962

CORES EXAMINED BY R. D. Coles

CORE RECORD

AREA ~~OF FIELD~~ Sunset Canyon

COMPANY Shell Oil Company

LEASE AND WELL NO. Unit No.1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
9	8956	8962	6'	<p>Dolomite, light gray - brown, I-III VFA with occasional 2" patch of sub-lithographic IVFA. Center 4' of core broken up by numerous horizontal and vertical fractures. Incipient horizontal and vertical fractures in remaining 2', some healed with anhydrite and dolomite. Common stylolites dipping approximately 10°. Occasional pyrite crystals in lowermost foot of core.</p> <p>Coring rates 17 - 43 minutes/ft. 8-15/16" full circle Christensen Diamond core head.</p>			None

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SHELL OIL COMPANY

WEEK ENDING 10-1-60

CORE FROM 6597 TO 6640

CORES EXAMINED BY A. Humphrys

CORE RECORD

AREA OR FIELD Sunset Canyon

COMPANY Shell Oil Company

LEASE AND WELL NO. Unit 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
Core #6 Cored 43', Recovered 40'							None
6597	6598	1'		<u>Dolomite</u> , light brown, III/I VF-FA Ctr., stylolitic, with abundant white, crystalline anhydrite			
6598	6599	1'		<u>Dolomite</u> , as above, III/I VF-FA Btr.			
6599	6600	1'		<u>Dolomite</u> , dark grey to brown, I/III VFA, with black shale partings and anhydrite as above			
6600	6601	1'		<u>Dolomite</u> , medium grey to brown, I/III VFA, shale and anhydrite as above			
6601	6602	1'		<u>Dolomite</u> , light brown, I/III VF-FA with anhydrite as above			
6602	6603	1'		<u>Dolomite</u> , as above, medium grey to brown, with shale partings as above			
6603	6604	1'		<u>Dolomite</u> , light brown, III VF-FA with anhydrite as above and with pyrite			
6604	6605	1'		<u>Dolomite</u> , light grey to brown, I/III VFA with shale as above			
6605	6606	1'		<u>Dolomite</u> , light grey to brown, I/III VFA Btr with anhydrite as above			
6606	6607	1'		<u>Dolomite</u> , light brown, I/III VFA with anhydrite as above and abundant shale partings as above			
6607	6608	1'		<u>Dolomite</u> , light to medium grey-brown, with anhydrite partings			
6608	6609	1'		<u>Dolomite</u> , medium brown, I/III VF-MAC ₅ with abundant white, crystalline anhydrite			
6609	6610	1'		<u>Dolomite</u> , medium brown, I/III VF-FA B ₃ C ₂ , stylolitic, with anhydrite as above			
6610	6611	1'		<u>Dolomite</u> , medium grey to brown, I/III VF-MA C ₃ Dtr with anhydrite as above			
6611	6612	1'		<u>Dolomite</u> , medium brown, III/I VFA C ₂			
6612	6613	1'		<u>Dolomite</u> , dark grey to brown, III MA B ₂ with anhydrite as above			
6613	6614	1'		<u>Dolomite</u> , as above, III F-MA with anhydrite as above			
6614	6615	1'		<u>Dolomite</u> , as above, with Btr			
6615	6616	1'		<u>Dolomite</u> , as above, I/III VF-MA Btr with anhydrite as above			
6616	6617	1'		<u>Dolomite</u> , as above			
6617	6618	1'		<u>Dolomite</u> , medium grey to brown, as above			
6618	6619	1'		<u>Dolomite</u> , as above, III VF-M B ₂ Ctr with anhydrite as above			
6619	6620	1'		<u>Dolomite</u> , medium grey, III M B ₆ C ₄ with anhydrite as above			
6620	6621	1'		<u>Dolomite</u> , medium grey to brown, III FM B ₅ C tr with anhydrite as above			
6621	6622	1'		<u>Dolomite</u> , medium grey to brown, I/III VF-MA B ₂ Ctr with anhydrite as above			
6622	6623	1'		<u>Dolomite</u> , as above, IVFA			
6623	6624	1'		<u>Dolomite</u> , as above, I/III VF-MA B ₃ C ₁ with anhydrite as above			
6624	6625	1'		<u>Dolomite</u> , medium brown, III F-M B ₆ C ₆ Dtr with less anhydrite as above			
6625	6626	1'		<u>Dolomite</u> , as above, IVFA			
6626	6627	1'		<u>Dolomite</u> , as above, III/I VFA Btr Ctr			

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SHELL OIL COMPANY

WEEK ENDING 10-1-60

CORE FROM 6597 TO 6640

CORES EXAMINED BY A. Humphrys

CORE RECORD

AREA OR FIELD Sunset Canyon

COMPANY Shell Oil Company

LEASE AND WELL NO. Unit 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
<u>Core #6 - Continued</u>							
	6627	6628	1'	<u>Dolomite</u> , medium grey to brown, III M B ₆ C ₄ with anhydrite as above, bleeding water			None
	6628	6629	1'	<u>Dolomite</u> , as above, IVFA Btr with few inclusions of anhydrite as above			
	6629	6630	1'	<u>Dolomite</u> , as above, IVFA, stylolitic			
	6630	6633	3'	<u>Dolomite</u> , as above, without stylolites			
	6633	6634	1'	<u>Dolomite</u> , medium brown, I/III VFA Btr			
	6634	6635	1'	<u>Dolomite</u> , as above, III VF B ₂ C ₃ Dtr, bleeding water (?)			
	6635	6636	1'	<u>Dolomite</u> , medium grey to brown, I/III VF-MA B ₁ C ₁ , stylolitic			
	6636	6637	1'	<u>Dolomite</u> , as above, III F-M B ₂ C ₂ , stylolitic, with anhydrite as above			

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SHELL OIL COMPANY

WEEK ENDING September 29, 1960

AREA OR FIELD Sunset Canyon

CORE FROM 6494 TO 6507

CORE RECORD

COMPANY Shell Oil Company

CORES EXAMINED BY A. V. Humphrys

LEASE AND WELL NO. Unit No. 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
CORE NO. 5 CORED 13', RECOVERED 12'							None
6494	6496	2'		<u>Dolomite</u> , medium brown gray, IIIVF-FA B _{tr} with anhydrite filled fractures.			
6496	6499	3'		<u>Dolomite</u> , medium brown, IIIVF-MA B ₁ C _{tr} with anhydrite as above, fossiliferous.			
6499	6501	2'		<u>Dolomite</u> , as above, IIIVF-MA B _{tr}			
6501	6502	1'		<u>Dolomite</u> , as above, III MA B ₂ C _{tr}			
6502	6503	1'		<u>Dolomite</u> , as above, III MA B ₅ C ₃			
6503	6504	1'		<u>Dolomite</u> , as above, IIIVF-MA B _{tr}			
6504	6505	1'		<u>Dolomite</u> , medium dark brown, IIIVF-FA B _{tr}			
6505	6507	1'		<u>Dolomite</u> , dark brown, III VF-FA			
		12					

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SHELL OIL COMPANY

WEEK ENDING 9-17-60

CORE FROM 5450' TO 5457.4'

CORES EXAMINED BY A. Hymphrys

CORE RECORD

AREA OR FIELD Sunset Canyon

COMPANY Shell

LEASE AND WELL NO. Unit 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
	<u>CORE #3</u>						
	5380	5384	0'	No Recovery			None
	<u>CORE #4</u>			Cored 7.4', Recovered 7'			
	5450	51	1'	<u>Dolomite</u> , light brown, IVFA			
	51	52	1'	<u>Dolomite</u> , as above, pyrite filled fractures			
	52	53	1'	<u>Dolomite</u> , as above, slightly fractured			
	53	54	1'	<u>Dolomite</u> , as above, with sandstone, quartzitic, fine-medium, poorly sorted, round stringers			
	54	57	3'	<u>Dolomite</u> , as above. Last 1" - siltstone, gray-green gray, very fine			

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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%). 5-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING 9-11-60

CORE FROM 3613 TO 4507

CORES EXAMINED BY Boush

CORE RECORD

AREA OR FIELD Sunset Canyon

COMPANY Shell

LEASE AND WELL NO. Unit 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
1	3613	3620	7'	3' <u>Anhydrite</u> , gray, to grayish white 2' <u>Dolomite</u> , light gray, I-III VFA, silty, fractured, fractures healed with anhydrite 1' <u>Anhydrite</u> , as above 1/2' <u>Dolomite</u> , as above 1/2' <u>Anhydrite</u> , as above			NOSCF
2	4477	4507	26-1/2'	26-1/2' <u>Dolomite</u> , silty, I-III VFA and dolomitic siltstone, gradationally interbedded in 1' to 4' beds. Inclusions, in both dolomite and siltstone, of anhydrite and chert (after anhydrite?) in blebs 1/8" to 1-1/2" in diameter. One 3" piece of dolomite in top foot exhibited minor D type porosity and minor fluorescence of a waxy substance (gilsonite?) plus an indeterminate amount of rubble, lithology, as above.		50+ fair	

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DITCH SAMPLES

Examined by A.V. Humphrys 50 to 560
B. W. Shepard 560 to 740
G. E. Dawsongrove 740 800

Well Sunset Canyon Unit 1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (NOT)
50	100	<u>100</u>	<u>Sandstone</u> , white-light green, subangular, well sorted, well cemented, hard with occasional dolomite partings.	
100	120	<u>100</u>	<u>Sandstone</u> , multi-colored, very fine-coarse, subangular, well sorted, well cemented, hard, slightly calcareous, with occasional maroon siltstone partings.	
120	130	80	<u>Sandstone</u> , as above.	
		20	<u>Siltstone</u> , purple-gray-orange, slightly calcareous.	
130	140	20	<u>Sandstone</u> , as above.	
		80	<u>Siltstone</u> , as above.	
140	170	<u>100</u>	<u>Siltstone</u> , red brown-light green, slightly calcareous, micaceous.	
170	200	<u>100</u>	<u>Siltstone</u> , as above, with occasional white siltstone partings.	
200	210	<u>100</u>	<u>Siltstone</u> , multi-colored, slightly calcareous, micaceous with occasional sandstone partings.	
210	240	<u>100</u>	<u>Siltstone</u> , red brown-light green, slightly calcareous, micaceous, very hard.	
240	250	<u>100</u>	No Sample.	
250	300	<u>100</u>	<u>Siltstone</u> , as above.	
300	400	<u>100</u>	<u>Siltstone</u> , brown-light green, slightly calcareous with occasional light green and brown sandstone, very fine, partings.	
400	410	<u>100</u>	<u>Siltstone</u> , as above, with occasional frosted quartz nodules.	
410	430	20	<u>Sandstone</u> , brown, very fine, subangular, well sorted, well cemented, very hard.	
		80	<u>Siltstone</u> , as above.	
430	450	30	<u>Sandstone</u> , as above.	
		70	<u>Siltstone</u> , as above.	
450	470	50	<u>Sandstone</u> , as above.	
		50	<u>Siltstone</u> , as above.	
470	480	60	<u>Sandstone</u> , as above, white-orange-brown.	
		40	<u>Siltstone</u> , as above.	
480	490	70	<u>Sandstone</u> , as above.	
		30	<u>Siltstone</u> , as above.	
490	500	20	<u>Sandstone</u> , as above.	
		80	<u>Siltstone</u> , as above.	
500	510	70	<u>Sandstone</u> , as above, with occasional gypsiferous inclusions and dolomite, tan, IVFA partings.	
		30	<u>Siltstone</u> , as above.	
510	530	60	<u>Sandstone</u> , as above.	
		40	<u>Siltstone</u> , as above.	
530	550	10	<u>Sandstone</u> , as above.	
		50	<u>Siltstone</u> , as above.	
		40	<u>Shale</u> , brown, silty, hard.	
550	560	<u>100</u>	No Sample.	
560	610	90	<u>Siltstone</u> and <u>shale</u> , red brown, some light green, firm.	
		10	<u>Sandstone</u> , red brown and gray, very fine, firm, trace gypsum.	
610	740		<u>Siltstone</u> , red brown, grading to <u>shale</u> , red brown and <u>sandstone</u> , red brown, very fine, all firm.	
			Cemented 10-3/4" surface casing at 740'	
740	760	-	Cement, with occasional red siltstone, as above.	
760	800	-	<u>Siltstone</u> , red, as above, occasional green siltstone, occasional gray dolomite, dense, rounded quartz grains, white vein quartz, gray sandstone, gypsum (white sugary and red translucent), micaceous.	

DITCH SAMPLES

Examined by Dawsongrove 800 to 1460
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples/ ^{NOT} Lagged
800	840	85	<u>Siltstone</u> , red, as above, occasional green siltstone, quartz grains, micaceous.	
		15	<u>Gypsum</u> , white.	
840	860	90	<u>Siltstone</u> , red, as above, etc.	
		10	<u>Gypsum</u> .	
		trace	<u>Dolomite</u> , gray, dense.	
860	930	-	<u>Siltstone</u> , red, as above, etc., but less gypsum.	
930	970	90	<u>Siltstone</u> , red, as above.	
		10	<u>Siltstone</u> , green, and gypsum, as above.	
		trace	<u>Dolomite</u> , increasing at base.	
970	990	-	<u>Siltstone</u> , red, as above, etc., occasional very fine tight sandstone.	
990	1030	-	<u>Siltstone</u> , red, as above, some dolomite, red and gray.	
1030	1040	80	<u>Siltstone</u> , red, as above, with gypsum partings.	
		20	<u>Siltstone</u> , gray, with trace gray dolomite.	
1040	1050	90	<u>Siltstone</u> , red, as above	
		10	<u>Siltstone</u> , gray, etc., as above	
1050	1150	-	<u>Siltstone</u> , red, as above, etc., as above (occasional <u>dolomite</u> , red and gray <u>siltstone</u> , greenish gray, gypsum, anhydrite (?), micaceous in part; green siltstone interbedded with red siltstone)	
1150	1160	80	<u>Siltstone</u> , red, as above	
		20	<u>Siltstone</u> , gray	
		Tr.	<u>Dolomite</u>	
1160	1190	85	<u>Siltstone</u> , red, as above	
		10	<u>Siltstone</u> , gray	
		5	<u>Gypsum</u> , plus occasional gray dolomite	
1190	1220	-	<u>Siltstone</u> , gray, hard, brittle, quartzitic, dolomitic, occasional red siltstone, gypsum.	
1220	1250	-	<u>Siltstone</u> , red, as above, with occasional greenish gray siltstone, as above, gypsum partings	
1250	1260	-	<u>Siltstone and shale</u> , greenish gray, with occasional red siltstone	
1260	1270	-	<u>Shale</u> , red, with occasional gray shale, red siltstone, gypsum	
1270	1350	-	<u>Siltstone</u> , red, as above, and red shale, with gray silty dolomite, crystalline vein-gypsum, trace gray and green siltstone, etc., as above	
1350	1360	80	<u>Siltstone</u> , red, as above	
		20	<u>Siltstone</u> , greenish gray with gypsum, trace dolomite, etc., as above	
1360	1450	-	<u>Siltstone</u> , red, as above, with red shale, trace silty dolomite, gray siltstone, etc., as above	
1450	1460	40	<u>Siltstone</u> , gray and greenish-gray, with some clear quartzitic siltstone	
		30	<u>Siltstone</u> , red, as above, and red shale	
		20	<u>Dolomite</u> , gray, some silty	
		10	<u>Gypsum</u> , sugary, crystalline and reddish translucent	

DITCH SAMPLES

Examined by Dawsongrove 146Q to 1740Well Sunset Canyon Unit 1Field or Area Meadow Creek

From	To	%	Shows Underlined	Samples/ ^{NOT} Lagged
1460	1480	=	<u>Siltstone</u> , red, and red shale, as above, etc. as above	
1480	1490	=	<u>Siltstone</u> , brown, micromicaceous, with greenish gray siltstone, as above	
1490	1500	50	<u>Siltstone</u> , gray and greenish-gray, as above	
		40	<u>Siltstone</u> , clear quartz, almost a very fine sandstone, coppery mottling (mica?), dolomitic	
		10	<u>Siltstone</u> , red, and red shale, as above	
1500	1520	=	<u>Siltstone</u> , and <u>Shale</u> , brownish gray, with green siltstone, quartz partings	
1520	1550	=	<u>Siltstone</u> , reddish brown and green, slightly gypsiferous, occasional dolomite	
1550	1580	50	<u>Siltstone</u> and <u>Shale</u> , reddish brown	
		40	<u>Siltstone</u> , greenish gray	
		10	<u>Dolomite</u> , gray, gypsum, etc.	
1580	1600	=	<u>Siltstone</u> , and <u>Shale</u> , reddish brown, occasional green siltstone and gypsum	
1600	1610	=	<u>Siltstone</u> , gray, quartzitic and gray shale with occasional gypsum and dolomite	
1610	1620	70	<u>Siltstone</u> , reddish brown	
		30	<u>Siltstone</u> , gray and greenish gray, with occasional shale, gypsum and dolomite	
1620	1630	70	<u>Siltstone</u> , gray, quartzitic, micaceous, dolomitic	
		30	<u>Siltstone</u> , reddish brown, with shale, gypsum and dolomite	
1630	1640	70	<u>Siltstone</u> , reddish brown	
		30	<u>Dolomite</u> , clear-gray, silty	
1640	1660	=	<u>Dolomite</u> , clear to gray, sugary, silty, occasional very rare trace of possible pinpoint porosity, occasional red micaceous siltstone	
1660	1670	=	<u>Siltstone</u> , reddish brown, micromicaceous, with occasional gray silty dolomite	
1670	1680	=	<u>Dolomite</u> , clear to gray, silty, with occasional red shale, gypsum, greenish shale, slightly calcareous	
1680	1690	=	<u>Dolomite</u> , gray, I/III VFA, silty, occasional red shale and gypsum	
1690	1700	40	<u>Dolomite</u> , clear to gray, silty, as above	
		20	<u>Siltstone</u> , clear to gray, quartzitic	
		20	<u>Shale</u> , red	
		20	<u>Gypsum</u> , white and sugary	
1700	1710	50	<u>Siltstone</u> and <u>Shale</u> , red	
		40	<u>Dolomite</u> , gray, some clean, some silty	
		10	<u>Siltstone</u> , green, and <u>gypsum</u>	
1710	1720	70	<u>Siltstone</u> , brownish gray, micaceous	
		30	<u>Siltstone</u> , green, with gypsum and dolomite	
1720	1730	50	<u>Siltstone</u> , brownish gray, micaceous, as above	
		30	<u>Dolomite</u> , clear to gray, some silty	
		20	<u>Gypsum</u> , white and occasional red and green shale	
1730	1740	=	<u>Dolomite</u> , gray, I/III VFA, silty and occasional red shale	

DITCH SAMPLES

Examined by Dawsongrove 1740 to 2200
_____ to _____Well Sunset Canyon Unit 1
Field or Area Meadow Creek

From	To	%	Shows Underlined	Samples / ^{NOT} Lagged
1740	1760	60	<u>Dolomite</u> , clear to gray, some silty, siltier at base	
		30	<u>Siltstone</u> , clear to gray	
		10	<u>Siltstone</u> , red, with occasional gypsum	
1760	1770	60	<u>Siltstone</u> , pink, sandy, limy and dolomitic	
		40	<u>Dolomite</u> , gray, silty	
1770	1790	90	<u>Dolomite</u> , clear to gray, some silty	
		10	<u>Siltstone</u> , red, with occasional gypsum	
1790	1820	-	<u>Siltstone</u> , reddish brown and shale, with occasional clear to gray siltstone, gray dolomite, gypsum, gray dolomite increasing at base	
1820	1830	80	<u>Dolomite</u> , gray, silty, limy	
		10	<u>Siltstone</u> , clear to gray	
		10	<u>Siltstone</u> and <u>shale</u> , red	
1830	1850	100	<u>Siltstone</u> , reddish brown, as above, slightly limy	
1850	1860	-	<u>Siltstone</u> , gray, dolomitic and occasional brown shale	
1860	1870	100	<u>Dolomite</u> , gray, silty, limy	
1870	1900	60	<u>Dolomite</u> , gray, silty	
		30	<u>Dolomite</u> , white to clear or light gray, occasional carbonaceous (?) inclusions	
		10	<u>Siltstone</u> , reddish brown	
1900	1920	-	<u>Siltstone</u> , brownish gray, dolomitic and limy with white and gray dolomite	
1920	1990	-	<u>Dolomite</u> , gray, very silty and white to light gray, as above, carbonaceous (?) inclusions, occasional red siltstone, occasional gypsum	
1990	2000	80	<u>Dolomite</u> , gray, as above	
		20	<u>Siltstone</u> , brownish red, silty, limy	
2000	2050	-	<u>Sandstone</u> , pink to brownish red, very fine to fine, silty, with occasional gray limy dolomite, as above, and green shale	
2050	2060	60	<u>Sandstone</u> , as above	
		40	<u>Dolomite</u> , gray and siltstone, red and green shale, gypsum, etc.	
2060	2080	-	<u>Siltstone</u> , red, sandy, and assorted clastics, as above	
2080	2090	70	<u>Dolomite</u> , gray, silty	
		20	<u>Siltstone</u> , red, as above	
		10	<u>Shale</u> , gypsum, clear dolomite and siltstone, etc.	
2090	2100	-	<u>Siltstone</u> , red, slightly calcareous, occasional gray dolomite, gypsum and assorted clastics	
2100	2140	-	<u>Sandstone</u> , pink to brownish gray, as above, very fine to fine, rounded well sorted and gypsum, occasional red shale	
2140	2170	-	<u>Siltstone</u> , reddish brown, calcareous, with occasional gypsum partings, sandy at base	
2170	2180	70	<u>Sandstone</u> , clear to reddish brown, very fine to fine	
		30	<u>Siltstone</u> , red, as above, slightly calcareous	
2180	2200	50	<u>Sandstone</u> , as above	
		50	<u>Siltstone</u> , as above	

DITCH SAMPLES

Examined by Boush 2200 to 2750
_____ to _____Well Sunset Canyon Unit 1
Field or Area Meadow Creek

From	To	%	Shows Underlined	Samples/ ^{NOT} Lagged
2200	2220	80	<u>Siltstone</u> , reddish brown, calcareous, slightly sandy	
		<u>20</u>	<u>Sandstone</u> , gray to brown, very fine to fine grained, silty calcareous	
2220	2230	50	<u>Siltstone</u> , as above	
		<u>50</u>	<u>Sandstone</u> , as above	
2230	2260	80	<u>Siltstone</u> , as above	
		<u>20</u>	<u>Sandstone</u> , as above	
2260	2300	100	<u>Siltstone</u> , as above	
		<u>Tr</u>	<u>Dolomite</u> and sandstone	
2300	2350	100	<u>Siltstone</u> , as above, dolomitic in part, calcareous in part	
2350	2380	60	<u>Siltstone</u> , as above	
		20	<u>Limestone</u> , very silty, I-III VFA	
		<u>20</u>	<u>Dolomite</u> , very silty, I-III VFA	
2380	2400	10	<u>Siltstone</u> , as above	
		60	<u>Limestone</u> , as above	
		<u>30</u>	<u>Dolomite</u> , as above	
2400	2450	30	<u>Siltstone</u> , as above	
		30	<u>Dolomite</u> , gray-green, silty I-III VFA	
		<u>40</u>	<u>Limestone</u> , white to light tan, IVFA	
2450	2500	80	<u>Dolomite</u> , as above	
		<u>20</u>	<u>Limestone</u> , as above	
2500	2600	70	<u>Dolomite</u> , as above	
		20	<u>Limestone</u> , as above	
		<u>10</u>	<u>Siltstone</u> , as above	
2600	2610	50	<u>Dolomite</u> , as above	
		<u>50</u>	<u>Limestone</u> , white to light gray, I-III VFA	
2610	2630	70	<u>Dolomite</u> , as above	
		<u>30</u>	<u>Limestone</u> , as above	
2630	2640	60	<u>Limestone</u> , as above, gray portions, very silty	
		<u>40</u>	<u>Dolomite</u> , as above	
2640	2650	70	<u>Limestone</u> , as above	
		<u>30</u>	<u>Dolomite</u> , as above	
2650	2670	70	<u>Limestone</u> , as above	
		<u>30</u>	<u>Siltstone</u> , gray, calcareous, in part dolomitic	
2670	2690	50	<u>Limestone</u> , as above	
		<u>50</u>	<u>Siltstone</u> , as above	
2690	2700	80	<u>Siltstone</u> , as above	
		<u>20</u>	<u>Limestone</u> , as above	
2700	2710	60	<u>Siltstone</u> , as above	
		<u>40</u>	<u>Limestone</u> , tan to light gray, some white, I-III VF-FA silty to very silty	
2710	2730	70	<u>Siltstone</u> , as above	
		30	<u>Limestone</u> , as above	
		<u>Tr</u>	<u>Sandstone</u> , orange-red, very fine to fine, calcareous	
2730	2750	70	<u>Siltstone</u> , as above	
		20	<u>Limestone</u> , gray, silty III VF-FA	
		<u>10</u>	<u>Limestone</u> , tan, IVFA, silty	

DITCH SAMPLES

Examined by Boush 2750 to 3280
_____ to _____Well Sunset Canyon Unit 1
Field or Area Meadow Creek

From	To	%	Shows Underlined	Samples / ^{NOT} Lagged
2750	2780	100	<u>Siltstone</u> , medium gray, calcareous	
2780	2800	60	<u>Siltstone</u> , as above	
		40	<u>Limestone</u> , white to tan, IVFA, containing silt clastics of fine size	
2800	2810	80	<u>Siltstone</u> , as above	
		20	<u>Limestone</u> , as above	
2810	2860	100	<u>Siltstone</u> , as above	
2860	2890	70	<u>Siltstone</u> , as above	
		30	<u>Limestone</u> , tan to white, as above, very few silt clastics	
2890	2920	80	<u>Siltstone</u> , as above, slightly sandy	
		20	<u>Limestone</u> , as above, silty clastics common	
2920	2950	90	<u>Siltstone</u> , as above, sandy	
		10	<u>Limestone</u> , as above, silty clastics common	
2950	3000	90	<u>Siltstone</u> , as above	
		10	<u>Limestone</u> , as above	
3000	3050	85	<u>Siltstone</u> , as above	
		15	<u>Limestone</u> , as above	
3050	3070	70	<u>Siltstone</u> , as above	
		20	<u>Limestone</u> , light gray, silty III-IVFA	
		10	<u>Limestone</u> , white, IVFA	
		Tr	<u>Siltstone</u> , reddish brown, slightly sandy, slightly calcareous	
3070	3080	60	<u>Siltstone</u> , gray, as above	
		20	<u>Limestone</u> , as above	
		20	<u>Limestone</u> , as above	
3080	3100	25	<u>Siltstone</u> , gray, as above	
		50	<u>Limestone</u> , white, as above	
		25	<u>Limestone</u> , gray, as above	
3100	3110	30	<u>Siltstone</u> , as above	
		40	<u>Limestone</u> , white, as above	
		30	<u>Limestone</u> , gray, as above	
3110	3130	20	<u>Siltstone</u>	
		80	<u>Limestone</u> , white to tan, I-III VFA, some slightly silty with reddish brown silty clastics	
3130	3140	40	<u>Siltstone</u> , light to medium gray	
		30	<u>Siltstone</u> , reddish brown, calcareous	
		30	<u>Limestone</u> , as above	
3140	3150	80	<u>Siltstone</u> , red brown, calcareous, some fine grains dolomite, give local sandy appearance	
		10	<u>Siltstone</u> , gray, as above	
		10	<u>Limestone</u> , as above	
3150	3180	100	<u>Siltstone</u> , reddish brown, as above	
3180	3200	90	<u>Siltstone</u> , as above	
		10	<u>Siltstone</u> , gray, as above	
3200	3230	100	<u>Siltstone</u> , red, as above	
3230	3280	20	<u>Siltstone</u> , red, as above	
		80	<u>Siltstone</u> , light to medium gray, very dolomitic (approached silty dolomite)	

DITCH SAMPLES

Examined by Boush 3280 to 3610
_____ to _____Well Sunset Canyon Unit 1
Field or Area Meadow Creek

From	To	%	Shows Underlined	Samples/NOT Lagged
3280	3290	50	<u>Siltstone</u> , red, as above	
		50	<u>Siltstone</u> , gray, as above	
3290	3380	100	<u>Siltstone</u> , red, as above	
3380	3400	70	<u>Siltstone</u> , red, as above	
		20	<u>Siltstone</u> , light to medium gray, slightly calcareous	
		10	<u>Limestone</u> , white to light gray, IIIIVF-FA, salt and pepper, slightly silty	
		Tr	<u>Chert</u>	
3430	3450	15	<u>Siltstone</u> , red, as above	
		25	<u>Siltstone</u> , gray, as above	
		40	<u>Limestone</u> , as above, some silty clastics	
		20	<u>Chert</u> , milky white-blue white	
		Tr	<u>Sandstone</u> , white to pinkish white, very fine to fine quartz, calcareous cement	
3450	3460	20	<u>Siltstone</u> , gray, as above	
		20	<u>Chert</u>	
		60	<u>Limestone</u> , as above	
3460	3470	35	<u>Chert</u>	
		65	<u>Limestone</u> , as above	
3470	3480	70	<u>Limestone</u> , as above, light tan to gray to pink, salt and pepper, I-III VFA, silty clastics	
		30	<u>Chert</u>	
3480	3500	70	<u>Limestone</u> , as above	
		10	<u>Chert</u>	
		20	<u>Siltstone</u> , light greenish gray, very soft, slightly sandy, very fine	
3500	3520	80	<u>Limestone</u> , as above	
		10	<u>Chert</u>	
		10	<u>Siltstone</u>	
3520	3530	60	<u>Limestone</u> , as above	
		30	<u>Chert</u>	
		10	<u>Anhydrite</u> , white to pink	
3530	3540	30	<u>Limestone</u> , as above	
		10	<u>Chert</u>	
		60	<u>Anhydrite</u> , as above	
3540	3560	30	<u>Limestone</u> , as above	
		70	<u>Anhydrite</u>	
3560	3570	50	<u>Anhydrite</u>	
		50	<u>Sandstone</u> , white, quartzitic, very fine to fine, dolomite cement	
3570	3580	80	<u>Sandstone</u> , as above	
		20	<u>Anhydrite</u>	
3580	3600	60	<u>Sandstone</u>	
		20	<u>Anhydrite</u>	
		20	<u>Limestone</u> , as above, I-III VFA, silty clastics	
3600	3610	40	<u>Sandstone</u> , as above	
		40	<u>Anhydrite</u>	
		20	<u>Siltstone</u> , green-gray, dolomitic	

DITCH SAMPLES

Examined by Boush 3613 to 3960
_____ to _____Well Sunset Canyon Unit 1
Field or Area Meadow Creek

From	To	%	Shows Underlined	Samples/NOT Lagged
3613	3620		Core No. 1, recovered 7 feet siltstone, dolomite and anhydrite	
3620	3640	40	<u>Sandstone</u> , as above	
		40	<u>Anhydrite</u> , as above	
		20	<u>Siltstone</u> , dolomite, as above	
3640	3650	20	<u>Anhydrite</u>	
		80	<u>Dolomite</u> , light to medium brown, silty IVFA (as in Core 1)	
3650	3660	35	<u>Anhydrite</u>	
		30	<u>Dolomite</u> , as above	
		35	<u>Sandstone</u> , as above	
3660	3670	30	<u>Anhydrite</u>	
		20	<u>Dolomite</u> , as above	
		50	<u>Sandstone</u> , as above	
3670	3690	70	<u>Sandstone</u> , as above	
		30	<u>Anhydrite</u> , as above	
3690	3720	60	<u>Dolomite</u> , white to light tan, IVFA, siliceous	
		20	<u>Sandstone</u> , as above	
		20	<u>Anhydrite</u> , as above	
3720	3750	100	<u>Dolomite</u> , white to light gray, IVFA, massive, siliceous	
3750	3760	90	<u>Dolomite</u> , as above	
		10	<u>Limestone</u> , sandy and silty	
3760	3780	70	<u>Dolomite</u> , as above	
		30	<u>Chert</u>	
3780	3790	-	No sample	
3790	3810	70	<u>Dolomite</u> , as above	
		30	<u>Chert</u> , as above	
3810	3840	80	<u>Dolomite</u> , as above, but siltier, medium to dark brownish gray	
		20	<u>Chert</u> , white	
3840	3860	70	<u>Dolomite</u> , as above	
		10	<u>Chert</u>	
		20	<u>Limestone</u> , white to tan, IVFA	
3860	3880	70	<u>Dolomite</u> , light tan to light gray, silty, very siliceous, IVFA	
		10	<u>Chert</u>	
		20	<u>Limestone</u> , as above	
3880	3900	90	<u>Dolomite</u> , as above	
		10	<u>Chert</u>	
3900	3910	40	<u>Dolomite</u> , light to medium gray (brown) as above, IVFA, siliceous	
		60	<u>Dolomite</u> , light to medium brown-gray, III VF-FA, very silty	
3910	3920	90	<u>Dolomite</u> , IVFA, as above	
		10	<u>Chert</u>	
3920	3940	70	<u>Dolomite</u> , medium brown-gray, IVFA, very siliceous, very silty	
		30	<u>Dolomite</u> , IIIIVF-FA, as above	
3940	3950	50	<u>Dolomite</u> , IVFA, as above	
		40	<u>Dolomite</u> , light tan, calcareous, IVFA	
		10	<u>Chert</u>	
3950	3960	=	No sample	

DITCH SAMPLES

Examined by Boush 3960 to 4330
 _____ to _____

Well Sunset Canyon Unit 1
 Field or Area Meadow Creek

From	To	%	Shows Underlined	Samples ^{NOT} Lagged
3960	3970	50	<u>Dolomite</u> , light, as above	
		50	<u>Dolomite</u> , dark as above	
3970	3990	100	<u>Dolomite</u> , light gray, IIIVFA, silty	
3990	4000	60	<u>Dolomite</u> , light gray, as above	
		30	<u>Dolomite</u> , medium gray, as above	
		10	<u>Sandstone</u>	
4000	4050	100	<u>Sandstone</u> , light gray, quartzitic, very fine to fine, subrounded, tight, cement dolomite to calcareous	
4050	4060	60	<u>Sandstone</u> , as above	
		40	<u>Dolomite</u> , medium brown, siliceous, carbonaceous, IVFA	
4060	4090	100	<u>Sandstone</u> , as above	
		Tr	<u>Dolomite</u> , chert	
4090	4100	100	<u>Sandstone</u> , as above	
4100	4110	80	<u>Sandstone</u> , as above	
		20	<u>Dolomite</u> , medium brown, silty, siliceous, IVFA	
4110	4120	60	<u>Sandstone</u> , as above	
		40	<u>Dolomite</u> , as above	
4120	4140	80	<u>Sandstone</u> , as above	
		10	<u>Dolomite</u> , as above	
		10	<u>Chert</u>	
4140	4150	100	<u>Sandstone</u> , as above	
4150	4180	90	<u>Sandstone</u> , as above	
		10	<u>Dolomite</u> , as above	
4180	4190	100	<u>Sandstone</u> , as above	
4190	4210	90	<u>Sandstone</u> , as above	
		10	<u>Dolomite</u> , as above	
4210	4230	60	<u>Sandstone</u> , as above	
		40	<u>Dolomite</u> , as above	
4230	4270	100	<u>Sandstone</u> , as above	
		Tr	<u>Anhydrite</u>	
4270	4280	60	<u>Sandstone</u>	
		40	<u>Dolomite</u> , light tan, I-III VFA, siliceous	
4280	4290	80	<u>Sandstone</u> , as above	
		20	<u>Dolomite</u> , as above	
4290	4300	70	<u>Sandstone</u> , as above	
		20	<u>Dolomite</u> , as above	
		10	<u>Chert</u>	
4300	4310	80	<u>Sandstone</u> , as above	
		10	<u>Dolomite</u> , as above	
		10	<u>Chert</u>	
4310	4320	80	<u>Sandstone</u> , as above	
		20	<u>Dolomite</u> , as above	
4320	4330	20	<u>Sandstone</u>	
		80	<u>Anhydrite</u>	

DITCH SAMPLES

Examined by Boush 4330 to 4530
_____ to _____Well Sunset Canyon Unit 1
Field or Area Meadow Creek

From	To	%	Shows Underlined	Samples ^{NOT} Lagged
4330	4340	80	<u>Siltstone</u> , medium to dark gray, dolomitic, siliceous	
		20	<u>Anhydrite</u>	
4340	4350	60	<u>Siltstone</u> , as above	
		30	<u>Dolomite</u> , tan to medium brown-gray, silty, siliceous, IVFA	
		10	<u>Anhydrite</u>	
4350	4360	80	<u>Sandstone</u> , white to light gray, quartzitic, very fine to fine, some silt	
		20	<u>Dolomite</u> , as above	
4360	4370	40	<u>Sandstone</u> , as above	
		40	<u>Dolomite</u> , as above	
		20	<u>Siltstone</u> , light green-gray	
4370	4380	60	<u>Sandstone</u> , as above	
		40	<u>Dolomite</u> , as above	
4380	4400	80	<u>Dolomite</u> , light to medium brownish gray, siliceous, I-III VFA, very silty	
		20	<u>Sandstone</u> , as above	
4400	4430	80	<u>Dolomite</u> , as above	
		20	<u>Sandstone</u> , as above	
4430	4440	70	<u>Dolomite</u> , as above	
		20	<u>Sandstone</u> , as above	
		10	<u>Siltstone</u> , gray, very dolomitic	
4440	4450	100	<u>Dolomite</u> , as above	
4450	4460	80	<u>Sandstone</u> , as above	
		20	<u>Dolomite</u> , as above	
4460	4470	40	<u>Dolomite</u> , as above	
		60	<u>Sandstone</u> , as above	
4470	4475	70	<u>Sandstone</u> , as above	
		20	<u>Dolomite</u>	
		10	<u>Chert</u>	
4477	4507		Core No. 2. Recovered 26-1/2' silty dolomite and dolomitic siltstone	
4510	4520	80	<u>Dolomite</u> , medium to dark gray-brown, I-III VFA, very silty, chert inclusions	
		20	<u>Siltstone</u> , medium dark gray-brown, dolomitic	
4520	4530	60	<u>Dolomite</u> , as above	
		20	<u>Sandstone</u> , gray, very fine to fine, dolomitic, very silty	
		20	<u>Anhydrite</u>	

DITCH SAMPLES

Examined by A. Humphrys 453Qo 5000
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (NOT)
4530	4550	90	<u>Dolomite</u> , medium to dark gray-brown, I/IIIIVFA with chert inclusions	
		10	<u>Anhydrite</u> , white	
4550	4590	100	<u>Dolomite</u> , as above, III/IVFA, stylolitic in part	
4590	4690	90	<u>Dolomite</u> , as above, with occasional white anhydrite inclusions	
		10	<u>Siltstone</u> , light to dark gray, dolomitic	
4690	4700	10	<u>Dolomite</u> , as above	
		90	<u>Sandstone</u> , light gray, silty to very fine, well sorted, well cemented, dolomitic	
4700	4710	90	<u>Dolomite</u> , light to medium brown, IVFA, stylolitic, with anhydrite inclusion	
		10	<u>Sandstone</u> , as above	
4710	4730	100	<u>Dolomite</u> , as above, with sandstone partings	
4730	4740	10	<u>Dolomite</u> , as above	
		90	<u>Sandstone</u> , light grey-green, very fine to fine, well sorted, well cemented, dolomitic	
4740	4750	70	<u>Dolomite</u> , as above	
		30	<u>Sandstone</u> , as above	
4750	4760	100	<u>Dolomite</u> , as above	
4760	4770	100	<u>Sandstone</u> , white, light green-gray, very fine to medium, subangular to subrounded, good to poor sorting, well consolidated, dolomitic, micaceous in part, trace anhydrite	
4770	4780	20	<u>Dolomite</u> , as above	
		80	<u>Sandstone</u> , as above	
4780	4790	10	<u>Dolomite</u> , as above	
		90	<u>Sandstone</u> , as above	
4790	4800	100	<u>Sandstone</u> , as above, white to light green-gray to light brown, trace quartz nodules	
4800	4910	100	<u>Sandstone</u> , as above, predominantly white, fine to medium	
4910	4920	70	<u>Sandstone</u> , as above	
		30	<u>Dolomite</u> , light brown, IVFA, sandy	
4920	4940	100	<u>Sandstone</u> , as above	
4940	4950	50	<u>Sandstone</u> , as above	
		40	<u>Sandstone</u> , reddish brown, silty to very fine, sub to well rounded, well sorted, hard, tight, dolomitic	
		10	<u>Anhydrite</u> , white	
4950	4960	100	<u>Sandstone</u> , predominantly reddish brown, as above	
4960	4970	10	<u>Sandstone</u> , as above	
		90	<u>Dolomite</u> , light gray-brown, IVFA, sandy, stylolitic	
4970	4980	20	<u>Sandstone</u> , as above	
		70	<u>Siltstone</u> , reddish brown, sandy, dolomitic	
		10	<u>Dolomite</u> , as above	
4980	4990	10	<u>Sandstone</u> , as above	
		10	<u>Siltstone</u> , as above	
		80	<u>Dolomite</u> , as above	
4990	5000	30	<u>Siltstone</u> , as above	
		70	<u>Dolomitic</u> , as above	

DITCH SAMPLES

Examined by A. Humphrys 5000 to 5230
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
5000	5010	20	<u>Siltstone</u> , as above.	
		70	<u>Dolomite</u> , as above.	
		10	<u>Anhydrite</u> , as above.	
5010	5020	20	<u>Sandstone</u> , as above.	
		40	<u>Siltstone</u> , as above.	
		20	<u>Dolomite</u> , as above.	
		20	<u>Anhydrite</u> , as above.	
5020	5030	40	<u>Siltstone</u> , as above.	
		60	<u>Dolomite</u> , as above.	
5030	5040	10	<u>Siltstone</u> , as above.	
		90	<u>Dolomite</u> , as above.	
5040	5050	30	<u>Siltstone</u> , as above.	
		70	<u>Dolomite</u> , as above, light gray-pink, very sandy.	
5050	5060	90	<u>Dolomite</u> , white-light gray-light brown, IVFA, very sandy.	
		10	<u>Anhydrite</u> , white.	
5060	5080	100	<u>Dolomite</u> , as above.	
5080	5110	100	<u>Dolomite</u> , as above, mottled dark brown in part, with abundant brown chert nodules and light green <u>siltstone</u> partings.	
5110	5120	100	<u>Dolomite</u> , as above, I/III VFA.	
5120	5130	10	<u>Siltstone</u> , as above.	
		90	<u>Dolomite</u> , as above, III/IVFA.	
5130	5140	40	<u>Sandstone</u> , white-light green, silty-very fine.	
		60	<u>Dolomite</u> , as above.	
5140	5150	80	<u>Sandstone</u> , mottled dark brown, very fine-medium, sub-angular-sub-round, well sorted, hard, tight, very slightly dolomitic.	
		20	<u>Dolomite</u> , as above, IVFA.	
5150	5160	70	<u>Sandstone</u> , as above.	
		30	<u>Dolomite</u> , as above.	
5160	5170	30	<u>Sandstone</u> , as above.	
		70	<u>Dolomite</u> , white-light brown, III/IVFA, very sandy.	
5170	5180	20	<u>Sandstone</u> , white-light green-red, brown, silt-fine, tight, very slightly dolomitic.	
		80	<u>Dolomite</u> , as above.	

DITCH SAMPLES

Examined by A. Humphrys 5180 to 5330
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
5180	5190	30	<u>Sandstone</u> , as above.	
		70	<u>Dolomite</u> , as above.	
5190	5200	100	<u>Dolomite</u> , white-light brown, I/IIIVFA, with occasional brown <u>shale</u> partings.	
5200	5210	80	<u>Sandstone</u> , clear-mottled dark brown-red, fine-medium, well rounded, well sorted, well cemented, hard, tight, very slightly dolomitic with occasional light green <u>siltstone</u> partings.	
		20	<u>Dolomite</u> , as above.	
5210	5220	90	<u>Sandstone</u> , as above.	
		10	<u>Dolomite</u> , as above, IVFA.	
5220	5230	80	<u>Sandstone</u> , as above.	
		20	<u>Dolomite</u> , as above.	
5230	5240	20	<u>Sandstone</u> , as above.	
		80	<u>Dolomite</u> , white-light brown, I/IIIVFA.	
5240	5250	40	<u>Sandstone</u> , white-clear mottled red, very fine-medium, sub round, finely sorted, hard, tight with occasional light green and brown red <u>siltstone</u> partings.	
		60	<u>Dolomite</u> , as above.	
5250	5260	10	<u>Sandstone</u> , as above.	
		90	<u>Dolomite</u> , as above.	
5260	5270	100	<u>Dolomite</u> , light-dark brown, IVFA.	
5270	5280	100	<u>Dolomite</u> , as above, I/III VFA.	
5280	5290	80	<u>Sandstone</u> , white-light green, silty-medium, sub angular-sub round, poorly sorted, hard, tight.	
		20	<u>Dolomite</u> , as above.	
5290	5300	40	<u>Sandstone</u> , as above.	
		60	<u>Dolomite</u> , as above.	
5300	5310	80	<u>Sandstone</u> , as above, predominant white-light green.	
		20	<u>Dolomite</u> , as above.	
5310	5320	70	<u>Sandstone</u> , as above.	
		20	<u>Limestone</u> , dark brown, IVFA.	
		10	<u>Dolomite</u> , as above.	
5320	5330	100	<u>Sandstone</u> , light gray-mottled dark gray, very fine-fine, sub rounded, well sorted, hard, tight, very dolomitic.	

DITCH SAMPLES

Examined by A. Humphrys 5330 to 5457
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
5330	5340	50	<u>Sandstone</u> , as above.	
		30	<u>Limestone</u> , as above.	
		20	<u>Dolomite</u> , as above.	
5340	5360	100	<u>Sandstone</u> , as above, clear-light gray mottled dark gray, very fine-medium.	
5360	5370	10	<u>Sandstone</u> , as above.	
		90	<u>Dolomite</u> , light brown-brown, I/III VFA, slightly calcareous with trace anhydrite.	
5370	5380	50	<u>Sandstone</u> , as above, fine-medium.	
		50	<u>Dolomite</u> , as above.	
5380	5384		CORE NO. 3 - NO RECOVERY	
5384	5390	90	<u>Sandstone</u> , as above, fine-medium, with occasional reddish brown <u>siltstone</u> partings.	
		10	<u>Dolomite</u> , as above.	
5390	5395	90	<u>Sandstone</u> , as above.	
		10	<u>Dolomite</u> , as above.	
5395	5405	100	<u>Sandstone</u> , light gray, very fine-medium, sub angular, well sorted, hard, tight, with occasional light gray <u>shale</u> partings.	
5405	5410	70	<u>Sandstone</u> , as above.	
		30	<u>Dolomite</u> , light brown, III VFA.	
5410	5415	40	<u>Sandstone</u> , as above.	
		60	<u>Dolomite</u> , as above.	
5415	5420	80	<u>Sandstone</u> , as above.	
		20	<u>Dolomite</u> , as above.	
5420	5430	100	<u>Sandstone</u> , as above.	
5430	5440	10	<u>Sandstone</u> , as above.	
		90	<u>Dolomite</u> , as above with brown chert nodules and crystalline anhydrite.	
5440	5450	10	<u>Sandstone</u> , as above.	
		60	<u>Dolomite</u> , as above.	
		30	<u>Dolomite</u> , II VFA.	
5450	5457	100	CORE NO. 4, <u>Dolomite</u> , light brown, IVFA.	

DITCH SAMPLES

Examined by A. Humphrys 5457 to 5670
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
5457	5470	90	<u>Sandstone</u> , light gray, very fine-medium, sub angular, well sorted, hard, tight with occasional light gray <u>shale</u> partings.	
		10	<u>Dolomite</u> , light brown, I/III VFA.	
5470	5490	100	<u>Sandstone</u> , as above, very fine-medium, with occasional reddish brown and light gray <u>siltstone</u> partings.	
5490	5500	70	<u>Sandstone</u> , as above.	
		30	<u>Dolomite</u> , as above.	
5500	5510	30	<u>Siltstone</u> , light gray.	
		70	<u>Dolomite</u> , light brown, I/III VFA, sandy with occasional milky chert fragments.	
5510	5520	20	<u>Siltstone</u> , as above.	
		80	<u>Dolomite</u> , as above.	
5520	5530	10	<u>Sandstone</u> , white-light gray, very fine-medium, poorly sorted, well cemented hard, tight.	
		20	<u>Siltstone</u> , as above.	
		70	<u>Dolomite</u> , light gray-dark brown, III VF-FA.	
5530	5540	80	<u>Sandstone</u> , as above.	
		20	<u>Dolomite</u> , as above.	
5540	5550	60	<u>Sandstone</u> , as above, very fine-fine.	
		40	<u>Dolomite</u> , as above with occasional dark brown chert fragments.	
5550	5560	20	<u>Sandstone</u> , as above.	
		80	<u>Dolomite</u> , light-dark brown, III / IVFA, stylolitic with occasional black, carbonaceous, <u>siltstone</u> partings, dolomitic.	
5560	5580	100	<u>Dolomite</u> , with occasional white crystalline anhydrite blebs.	
5580	5590		No Sample	
5590	5600	100	<u>Dolomite</u> , as above, III VF-FA.	
5600	5610	80	<u>Dolomite</u> , as above.	
		20	<u>Chert</u> , dark brown.	
5610	5620	90	<u>Dolomite</u> , as above.	
		10	<u>Chert</u> , as above.	
5620	5640	100	<u>Dolomite</u> , white-light brown, III VFA, stylolitic, with occasional dark brown chert partings.	
5640	5670	100	<u>Dolomite</u> , as above, light brown.	

20

DITCH SAMPLES

Examined by A. Humphrys 5670 to 6160
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
5670	5700	100	<u>Dolomite</u> , white-light brown, I/III VFA, mottled, limy.	
5700	5710	100	<u>Dolomite</u> , light brown, III VFA with occasional dark brown chert fragments.	
5710	5760	100	<u>Dolomite</u> , light-dark brown, III VFA, with some crystalline anhydrite and chert as above.	
5760	5780	100	<u>Dolomite</u> , dark brownish gray-black, III VFA with trace <u>limestone</u> , white, III VFA.	
5780	5840	100	<u>Dolomite</u> , as above, limy with milky-dark brown chert fragments and trace white crystalline anhydrite.	
5840	5850	20	<u>Limestone</u> , light gray-dark grayish brown. III VFA, <u>silty</u> in part.	
		80	<u>Dolomite</u> , as above.	
5850	5860	30	<u>Limestone</u> , as above.	
		70	<u>Dolomite</u> , as above.	
5860	5870	50	<u>Limestone</u> , as above.	
		50	<u>Dolomite</u> , as above.	
5870	5880	70	<u>Limestone</u> , as above.	
		30	<u>Dolomite</u> , as above.	
5880	5890	80	<u>Limestone</u> , as above.	
		20	<u>Dolomite</u> , as above.	
5890	6000	100	<u>Limestone</u> , as above with occasional anhydrite blebs and black chert fragments.	
6000	6120	100	<u>Limestone</u> , light to dark grey to black, some brown, III VFA, silty	
6120	6130	40	<u>Siltstone</u> , light green to brick red	
		40	<u>Limestone</u> , brown to light to dark grey, III VFA	
		20	<u>Dolomite</u> , dark grey to brown, III VFA, slightly calcareous	
6130	6140	40	<u>Limestone</u> , as above	
		60	<u>Dolomite</u> , as above	
6140	6150	100	<u>Dolomite</u> , as above	
6150	6160	40	<u>Limestone</u> , as above	
		60	<u>Dolomite</u> , as above, with trace sandstone and siltstone partings	

DITCH SAMPLES

Examined by A. Humphrys 6160 to 6430
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
6160	6170	80	<u>Limestone</u> , as above	
		20	<u>Dolomite</u> , as above	
6180	6190	40	<u>Limestone</u> , as above	
		60	<u>Dolomite</u> , as above	
6190	6200	80	<u>Limestone</u> , as above, with abundant black, slightly calcareous shale partings	
		20	<u>Dolomite</u> , as above	
6200	6220	100	<u>Shale</u> , black, slightly calcareous, silty, with occasional limestone, as above, partings	
6220	6230	20	<u>Shale</u> , as above	
		80	<u>Limestone</u> , dark brown to black, I/III VFA, silty	
6230	6240	60	<u>Siltstone</u> , dark gray to black, slightly calcareous	
		40	<u>Limestone</u> , as above	
6240	6250	70	<u>Siltstone</u> , as above	
		30	<u>Limestone</u> , as above	
6250	6270	100	<u>Siltstone</u> , as above	
6270	6280	60	<u>Siltstone</u> , as above	
		40	<u>Limestone</u> , light brown, mottled gray, III VFA, silty	
6280	6290	80	<u>Siltstone</u> , as above	
		20	<u>Limestone</u> , as above	
6290	6300	20	<u>Siltstone</u> , as above	
		80	<u>Limestone</u> , as above	
6300	6310	70	<u>Siltstone</u> , as above	
		30	<u>Limestone</u> , as above	
6310	6340	100	<u>Limestone</u> , light to medium brown, I/II VFA with occasional white anhydrite crystals and clear to dark brown chert fragments, occasional siltstone, as above, partings	
6340	6390	100	<u>Limestone</u> , as above, light to medium brownish gray	
6390	6430	100	<u>Limestone</u> , as above, predominantly dark gray	

DITCH SAMPLES

Examined by A. Humphrys 6430 to 7100
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
6430	6440	100	<u>Limestone</u> , predominantly light gray, mottled dark gray, fossiliferous	
6440	6450	60	<u>Shale</u> , black, silty, slightly calcareous	
		40	<u>Limestone</u> , as above	
6450	6460	30	<u>Shale</u> , as above	
		20	<u>Limestone</u> , as above	
		50	<u>Dolomite</u> , medium brown to brownish gray, III VF-FA trace B, stylolitic, with abundant dark brown chert fragments and white crystalline anhydrite	
6460	6470	30	<u>Limestone</u> , as above	
		70	<u>Dolomite</u> , as above	
6470	6494	100	<u>Dolomite</u> , as above	
6494	6507	---	Core #5. <u>Dolomite</u> , medium to dark brown, III VF-MAB tr 5, C tr 3	
6507	6550	100	<u>Dolomite</u> , medium - dark brown, III VF - MB tr, with white, crystalline anhydrite	
6550	6590	100	<u>Dolomite</u> , as above, light - medium brownish gray	
6590	6597		No Sample	
6597	6640		Core #6, <u>Dolomite</u> , light - medium gray-brown, I/III VF-MAB tr-6, Ctr-6, Dtr	
6640	6680	100	<u>Dolomite</u> , light - medium brown - grayish brown, III F-MAB tr with abundant white anhydrite blebs, stylolitic in part	
6680	6700	100	<u>Dolomite</u> , as above, I/III VFA	
6700	6740	100	<u>Dolomite</u> , medium brown - light - medium grayish brown, I/III VF-MA with white crystalline anhydrite.	
6740	6760	100	<u>Dolomite</u> , light - medium grayish brown, III VF-FA, stylolitic in part	
6760	6800	100	<u>Dolomite</u> , light - medium brown, III VF-FA	
6800	6810	100	<u>Dolomite</u> , medium - dark grayish brown, III/IVFA	
6810	6830	100	<u>Dolomite</u> , as above, III VFA with white crystalline anhydrite	
6830	6850	100	<u>Dolomite</u> , medium - dark gray, III VFA	
6850	6870	100	<u>Dolomite</u> , medium - dark grayish brown, III VFA	
6870	6910	100	<u>Dolomite</u> , light - medium gray, III VFA	
6910	6930	100	<u>Dolomite</u> , white - light - medium gray, III VFA	
6930	6940	100	<u>Dolomite</u> , as above, medium - dark gray	
6940	6970	100	<u>Dolomite</u> , as above, medium gray	
6970	6980	100	<u>Dolomite</u> , as above, medium - dark gray	
6980	7000	100	<u>Dolomite</u> , as above, light - medium - dark gray	
7000	7020	100	<u>Dolomite</u> , white - medium gray, III VFA	
7020	7040	100	<u>Dolomite</u> , as above, light - medium gray	
7040	7050	100	<u>Dolomite</u> , dark brownish gray, III VFA, limy	
7050	7090	100	<u>Dolomite</u> , as above, with trace light brown, III VFA <u>Limestone</u>	
7090	7100	100	<u>Dolomite</u> , light brown - medium - dark gray, I/III VFA	

DITCH SAMPLES

Examined by A. Humphrys 7100 to 7230
A. Humphrys 7230 to 7580

Well Sunset Canyon Unit 1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not)
7100	7120	100	<u>Dolomite</u> , light brown - dark gray, I/III VFA, stylolitic in part	
7120	7150	100	<u>Dolomite</u> , light grayish brown - light gray, III/IVFA with white <u>Sandstone</u> partings and with occasional dark brown <u>limestone</u> , IVFA partings	
7150	7190	100	<u>Dolomite</u> , white - light brown, I/III VF-MA with clear - light gray, fine - medium, subrounded sandstone partings	
7190	7200	40	<u>Limestone</u> , white, II VFA	
		60	<u>Dolomite</u> , as above	
7200	7210	30	<u>Limestone</u> , white - light brown, I/II VFA	
		70	<u>Dolomite</u> , as above	
7210	7220	70	<u>Limestone</u> , as above	
		30	<u>Dolomite</u> , as above	
7220	7230	40	<u>Limestone</u> , as above	
		60	<u>Dolomite</u> , as above	
7230	7250	100	<u>Dolomite</u> , light brown, IVF - MA B tr.	
7250	7270	100	<u>Dolomite</u> , as above, with abundant sandstone partings	
7270	7280	100	<u>Dolomite</u> , light brown-light gray brown, I/III VFA with sandstone partings.	
7280	7300	100	<u>Dolomite</u> , as above, light-medium gray brown.	
7300	7310	100	<u>Dolomite</u> , light brown, I/III VF-FA, sandy	
7310	7320	100	<u>Dolomite</u> , light-medium gray, III VFA with trace sandstone partings.	
7320	7330	100	<u>Dolomite</u> , white-light-medium brown, III VFA	
7330	7350	80	<u>Sandstone</u> , clear-light brown, fine-medium, sub-rounded, well cemented, well consolidated, hard, dolomitic, with anhydrite	
		20	<u>Dolomite</u> , as above	
7350	7390	100	<u>Sandstone</u> , as above, white-clear with occasional dolomite, white, IIVFA partings.	
7390	7400	100	<u>Sandstone</u> , as above. clear-light gray	
7400	7420	100	<u>Sandstone</u> , as above. fine-coarse, quartzitic	
7420	7440	100	<u>Sandstone</u> , as above, clear-light gray-light brown with occasional dolomite white-light brown I IIII VFA partings	
7440	7450	100	<u>Dolomite</u> , light gray brown, I III VFA, sandy in part	
7450	7460	40	<u>Sandstone</u> , as above, fine-medium	
		60	<u>Dolomite</u> , as above	
7460	7480	100	<u>Dolomite</u> , light-medium brown, IVFA with sandstone, as above, partings	
7480	7490	70	<u>Sandstone</u> , as above	
		30	<u>Dolomite</u> , as above	
7490	7500	90	<u>Sandstone</u> , as above	
		10	<u>Dolomite</u> , as above	
7500	7520	90	<u>Sandstone</u> , clear-light gray, fine-medium, sub-angular, well sorted, well consolidated, quartzitic	
		10	<u>Dolomite</u> , as above	
7520	7530	100	<u>Sandstone</u> , as above with dolomite, as above, partings.	
7530	7540	100	<u>Dolomite</u> , dark brown, I/IIIIVFA with sandstone, as above partings	
7540	7550	100	<u>Dolomite</u> , medium brown, I/IIIIVF-FA, sandy in part	
7550	7560	100	<u>Dolomite</u> , light gray brown, I/III VFA, with trace white crystalline anhydrite	
7560	7570	100	<u>Dolomite</u> , as above, medium-dark brown	
7570	7580	100	<u>Dolomite</u> , dark gray brown, I/IIIIVFA, sandy in part.	

DITCH SAMPLES

Examined by A. Humphrys 7580 to 8033
_____ to _____Well Sunset Canyon Unit 1
Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (NOT)
7580	7590	100	<u>Dolomite</u> , medium brown-dark gray brown, I/III VF-FA	
7590	7610	100	<u>Dolomite</u> , as above III/IVFA with trace white crystalline anhydrite	
7610	7650	100	<u>Dolomite</u> , medium-dark brown, III VF-FA with sandstone, as above, partings and trace white crystalline anhydrite	
7650	7660	20	<u>Sandstone</u> , white, very fine-fine, quartzitic, hard, tight	
		80	<u>Dolomite</u> , as above	
7660	7670	10	<u>Sandstone</u> , as above	
		90	<u>Dolomite</u> , as above	
7670	7690	100	<u>Sandstone</u> , clear-white, very fine-medium, quartzitic, hard, tight	
7690	7700	70	<u>Sandstone</u> , as above	
		30	<u>Dolomite</u> , tan, III VF-FA	
7700	7710	30	<u>Sandstone</u> , clear-white, very fine-medium, quartzitic, hard, tight	
		70	<u>Dolomite</u> , tan-medium brown, III VF-FA, stylolitic in part	
7710	7720	10	<u>Sandstone</u> , as above	
		90	<u>Dolomite</u> , light-medium-dark brown, III/IVF-FA	
7720	7730	10	<u>Sandstone</u> , as above	
		90	<u>Dolomite</u> , tan-medium brown, III VF-MA	
7730	7740	20	<u>Sandstone</u> , as above	
		80	<u>Dolomite</u> , as above	
7740	7750	30	<u>Sandstone</u> , as above	
		70	<u>Dolomite</u> , as above, III VF-FA	
7750	7760		No Sample	
7760	7770	100	<u>Dolomite</u> , medium-dark gray brown, IIIIVF-MA, sandy in part with white crystalline anhydrite	
7770	7780	100	<u>Dolomite</u> , as above, III/IVFA with white crystalline anhydrite	
7780	7790	100	<u>Dolomite</u> , dark gray brown, III/IVF-FA	
7790	7800	100	<u>Dolomite</u> , as above, I/III VF-FA	
7800	7810	10	<u>Sandstone</u> , clear-light brown, fine-medium, hard, tight, dolomitic, quartzitic	
		80	<u>Dolomite</u> , as above, very sandy	
		10	<u>Anhydrite</u> , white, crystalline	
7810	7820	100	<u>Dolomite</u> , tan-dark brown, III/IVF-MA B _{tr}	
7820	7850	100	<u>Dolomite</u> , as above, III VF-MA B _{tr} with sandstone, as above, partings	
7850	7860	100	<u>Dolomite</u> , light brown gray, III/IVF-MA	
7860	7870	100	<u>Dolomite</u> , as above, with sandstone, clear-white, very fine, quartzitic, partings.	
7870	7880	100	<u>Dolomite</u> , light gray-dark gray brown, III/IVFA with anhydrite	
7880	7890	100	<u>Dolomite</u> , as above, medium brown -dark gray brown	
7890	7900	80	<u>Dolomite</u> , as above	
		20	<u>Anhydrite</u> , white= crystalline, with interbedded chert and dolomite fragments.	
7900	7910	100	<u>Dolomite</u> , dark brown, III/IVF-FA	
7910	7950	100	<u>Dolomite</u> , as above, medium-dark brown	
7950	7970	100	<u>Dolomite</u> , light brown-tan, I/III VF-FA, stylolitic in part.	
7970	7980	100	<u>Dolomite</u> , as above, light gray brown	
7980	7990	100	<u>Dolomite</u> , dark gray, III VFA with clear-white, fine-coarse, quartzitic sandstone partings	
7990	8000	100	<u>Dolomite</u> , medium brown-medium gray, IIIIVFA	
8000	8033	100	<u>Dolomite</u> , medium gray brown, III/IVFA, stylolitic in part with white crystalline anhydrite.	

DITCH SAMPLES

Examined by A. Humphrys 8033 to 8800
R. D. Coles 8800 to 8962 (TD)

Well Sunset Canyon Unit 1
 Field or Area Wildcat

From	To	%	Shows Underlined	Samples Lagged (Not.)
8033	8079	100	<u>Core # 7</u> Full recovery, <u>Dolomite</u> , medium-dark gray brown, III/IVF-F-MA with anhydrite filled vertical fractures, stylolitic in part.	
8079	8100	100	<u>Dolomite</u> , medium gray brown, III/IVF-FA.	
8100	8120	100	<u>Dolomite</u> , medium-dark gray brown, III/IVF-FA with white crystalline anhydrite.	
8120	8160	100	<u>Dolomite</u> , medium gray-medium gray brown, III/IVFA	
8160	8200	100	<u>Dolomite</u> , as above, with occasional white quartzite partings	
8200	8210	100	<u>Dolomite</u> , medium gray, III/IVFA	
8210	8220	100	<u>Dolomite</u> , medium-dark gray, III VFA, silty in part	
8220	8250	100	<u>Dolomite</u> , medium gray, as above	
8250	8260	30	<u>Sandstone</u> , clear-light gray, very fine-fine, well consolidated, well sorted, hard, dolomitic, quartzitic	
		70	<u>Dolomite</u> , as above, sandy	
8260	8270	100	<u>Dolomite</u> , medium-dark gray, I/III VFA	
8270	8280	100	<u>Dolomite</u> , as above, III/IVF-FA	
8280	8290	100	<u>Dolomite</u> , light brown, as above, stylolitic, pyrite	
8290	8300	100	<u>Dolomite</u> , light brown-light green gray, III/IVFA	
8300	8310	100	<u>Dolomite</u> , light green gray, III/IVFA	
8310	8320	100	<u>Dolomite</u> , light brown-light green gray, III/IVF-FA	
8320	8330		No sample	
8330	8340	100	<u>Dolomite</u> , light gray, IVFA with trace quartz and pyrite	
8340	8350	100	<u>Dolomite</u> , buff, IVFA	
8350	8450	100	<u>Dolomite</u> , buff-light gray, IVFA	
8450	8460	100	<u>Dolomite</u> , as above, silty-sandy	
8460	8500	100	<u>Dolomite</u> , light gray-buff-white, IVFA, silty in part, stylolitic in part with pyrite	
8500	8590	100	<u>Dolomite</u> , light gray-buff, IVFA, slightly silty in part, stylolitic in part with pyrite	
8590	8600	100	<u>Dolomite</u> , light gray-white, I/III VFA, as above	
8600	8610		No sample	
8610	8630	100	<u>Dolomite</u> , as above	
8630	8650	100	<u>Dolomite</u> , light gray-buff, III/IVFA, as above	
8650	8722	100	<u>Dolomite</u> , as above, with trace white crystalline anhydrite	
8722	8746	100	<u>Core #8</u> , Cored 24', recovered 24', <u>Dolomite</u> , light gray, IVFA	
8746	8760	100	<u>Dolomite</u> , light gray, IVFA	
8760	8800	100	<u>Dolomite</u> , as above, I/III VFA	
8800	8860	100	<u>Dolomite</u> , white-light gray, I/III VFA	
8860	8880	50	<u>Dolomite</u> , as above	
		50	<u>Dolomite</u> , light brown, I/III VFA	
8880	8890	100	<u>Dolomite</u> , light gray, I/III VFA	
8890	8900	20	<u>Dolomite</u> , as above	
		80	<u>Dolomite</u> , mottled brown, III/IVF-FA, slightly silty	
8900	8910	100	<u>Dolomite</u> , mottled brown, III/IVF-FA, slightly silty and shaly, trace pyrite	
8910	8920	100	<u>Dolomite</u> , light brown, IVFA, trace pyrite	
8920	8930	100	<u>Dolomite</u> , mottled brown, III/IVF-FA, slightly silty	
8930	8950	100	<u>Dolomite</u> , light gray and light brown, IVFA	
8950	8956		No sample	
8956	8962	100	<u>Core #9</u> , 8956'-62' (6'), recovered 6'. <u>Dolomite</u> , light gray-brown, I/III VFA, highly fractured in center 4', incipient fractures in remainder. See core description for complete details.	

Copy to HC
 Budget Bureau No. 42-2386.1
 Approval expires 12-31-60.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
 LEASE NUMBER U 04071
 UNIT Sunset Canyon

40
 D. J. E.

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Millard Field Wildcat - Sunset Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1960,

Agent's address Post Office Box 1200 Company Shell Oil Company
Farmington, New Mexico Signed _____ Original Signed By _____

Phone Davis 5-6511 Agent's title Exploitation Engineer
 W. M. MARSHALL

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 SW SE	22S	4W	1	-	-	-	-	-	-	Abandoned 11-4-60. TD 8962'.

92

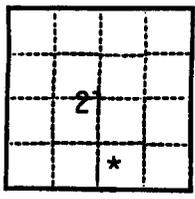
NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

43-027-11038

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION**

Sec. 21
T. 22S
R. 4W
SL _____ Mer.



INDIVIDUAL WELL RECORD

PUBLIC LAND:

Date December 7, 1960

Ref. No. 1

Land office Utah State Utah
 Serial No. 04071 County Millard
 Lessee Shell Oil Company Field WC
 Operator Shell Oil Company District Salt Lake City
 Well No. 1 Subdivision SW $\frac{1}{4}$ SE $\frac{1}{4}$
 Location 466 ft. from S. line and 1772 ft. from E. line of Sec. 21
 Drilling approved June 8, 19 60 Well elevation 6501' KB _____ feet
 Drilling commenced July 26, 19 60 Total depth 8962 feet
 Drilling ceased October 27, 19 60 Initial production _____
 Completed for production _____, 19 _____ Gravity A. P. I. _____
 Abandonment approved Sept. 11, 19 61 Initial R. P. _____
 Geologic Formations CM 11-22-61

Surface	Lowest tested	Name	Productive Horizons	Depth	Contents
<u>Shinarump</u>	<u>Sevy (Fault)</u>				

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1960							DREG. 100'	DREG. 3400'	DREG. 4090'	ABD. 8962'		
1961									P&A 8962'			

REMARKS 10 3/4" cc 740' w/500 sx
 Tops: Moenkopi-125' Callville-5287' Simonson-6798'
 Kaibab-3423' Blue ls. -5595' Sevy-7086'
 Toroweap-3994' Humbug-5852' Laketown-7868'
 Supai-4753' Pine Canyon-6308' Fishhaven-8210'
 Pakoos-4960' Gardner Dolo.-6435' Fault-Sevy-8265'

REPLACEMENT



SHELL OIL COMPANY

Post Office Box 1200
Farmington, New Mexico

FEB 1 1961

The State of Utah
Oil and Gas Conservation Commission
Room 310 New House Building
Salt Lake City, Utah

Attention Mr. C. B. Feight

Gentlemen:

Enclosed please find two copies each of the following for our
Sunset Canyon Unit 1:

- 1) Well Log, United States Geological Survey form 9-330 with
attached Drilling History, Ditch Sample Description and
Core Record.
- 2) Schlumberger Gamma-Ray Neutron, Microlog and Induction-
Electrical Logs.

We request that this information be held confidential until
June 1, 1961.

Very truly yours,

R. R. Robison
Division Production Manager

Enclosures

ans

March 20, 1961

MEMO FOR FILING

On March 17, 1961, I visited the Shell's Sunset Canyon Unit No. 1 Well, just east of Meadow, Utah. The location has been cleaned up and a four-foot pipe approximately 4 inches in diameter has been erected marking the location of the well.

I recommend that the bond be released if still in effect.

By:

Cleon B. Feight

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: DFR - USGS - Slc