

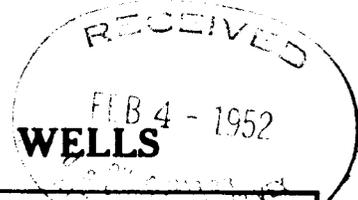
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-05298
Unit Unmineralized

33°

2-11-52



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	<input type="checkbox"/>	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL	<input type="checkbox"/>		<input type="checkbox"/>

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

February 4, 19 52

Well No. 1 is located 1980 ft. from N line and 1980 ft. from E line of sec. 33

NE 33 (1/4 Sec. and Sec. No.) 15 S (Twp.) 12 E (Range) SLM (Meridian)
Wildcat-Mounds Area (Field) Carbon (County or Subdivision) Utah (State or Territory)

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

Well will commence in Cretaceous (Mancos) shale. Objective of the well is pro-Pennsylvanian section which it is expected will be encountered at 6,000 ft. It is planned to drill well to a depth of 8000 ft. or production. Well will be drilled with rotary tools. Surface pipe (10 3/4 OD) will be set/at top of Dakota sandstone at a depth of approximately 300 feet. and cemented from top to bottom,

(SEE ATTACHED RIDER FOR APPROVAL)

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

Company EQUITY OIL COMPANY
Address 400 Utah Oil Building
Salt Lake City, Utah

By [Signature]
Title President

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER U-05290
UNIT Unmineralized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1952,

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah

Phone 3-7536 Signed [Signature] Agent's title Vice President

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)
<u>NE 1/4 Sec. 33</u>	<u>15S</u>	<u>12E</u>	<u>1</u>							<u>Drilling at 1500'. Top Ferron SS - 25' Top Dakota SS - 434' 10 3/4 OD Casing was set @ 449' with 230 ex cement.</u>

RECEIVED
MAR 10 1952
U.S. GEOLOGICAL SURVEY
CASPER, WYOMING

RECEIVED
MAR 12 1952
U.S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

None

None

NOTE.—There were None runs or sales of oil; None M. cu. ft. of gas sold; None 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)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-05298
Unit Unmineralized

33°

RECEIVED
MAR 5 - 1952

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 REDRILLING 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	Subsequent Report of Setting Casing	X

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

March 5, 1952

Well No. 1 is located 1980 ft. from N line and 1980 ft. from E line of sec. 33
NE 1/4 33 15 S. 12 E. S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat - Mounds Area Carbon Utah
(Field) (County or Subdivision) (State or Territory)

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

10 3/4 O.D. Casing was set @ 449' with 230 sk. cement.

Top Ferron sandstone 25'
Top Dakota sandstone 434'

Drilling at 1500' 8:00 A. M. 3-4-52.

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

Company Equity Oil Company
Address 400 Utah Oil Building
Salt Lake City, Utah
By [Signature]
Title Vice President

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE Utah
 LEASE NUMBER U-05298
 UNIT Ununitized

LESSEE'S MONTHLY REPORT OF OPERATIONS

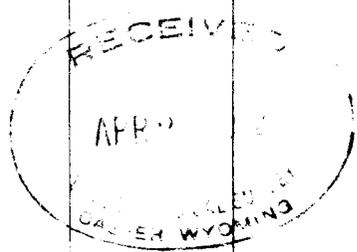
State Utah County Carbon Field Windcat - Mounds Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1952.

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed [Signature]

Phone 3-7536 Agent's title Vice President

SEC. AND 1/4 OF 34	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)
NE 1/4 Sec. 33	15S	12E	1							Elevation 5,444 KB. 5,433 ground. Drilling at 3,032 in Wingate sandstone.



~~COPY RETAINED DISTRICT OFFICE~~

NOTE.—There were None runs or sales of oil; None M. cu. ft. of gas sold;

None 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.

517 2845
 Budget Bureau No. 42-R3563
 Approval expires 12-31-52.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE Utah
 LEASE NUMBER U-05298
 UNIT Unmineralized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds Area
 The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 19 52,
 Agent's address 400 Utah Oil Bldg. Company Equity Oil Company
Salt Lake City, Utah Signed [Signature]
 Phone 3-7536 Agent's title Vice President

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)
<u>NE 1/4 Sec. 33.</u>	<u>15S</u>	<u>12E</u>	<u>1</u>							<u>Drilling @ 5309 in Coconino Sands.</u>

RECEIVED
 MAY 14 1952
 U.S. OIL & GAS BR.
 GEOLOGICAL SURVEY
 SALT LAKE CITY, UTAH

RECEIVED
 MAY 12 1952
 U.S. GEOLOGICAL SURVEY
 CASPER, WYOMING

Note.—There were None runs or sales of oil; None M. cu. ft. of gas sold; None 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

LAND OFFICE Utah
LEASE NUMBER U-05298
UNIT Ununitized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1952,

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah

Phone 3-7536 Signed [Signature]
Agent's title Sec'y. & Treasurer

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)
NE 1/4 Sec. 33	15S	12E	1							Drilling @ 6,372'

RECEIVED
JUN 13 1952
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH
RECEIVED
JUN 10 1952

NOTE.—There were None runs or sales of oil; None M. cu. ft. of gas sold; None 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 duplicated with the supervisor on the 6th of the succeeding month.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-05298
Unit Unamitized

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33

JUL 22 1952

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 REDRILLING 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	Drill Stem Test	

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

July 21, 19 52

Well No. 1 is located 1980 ft. from N1/4 line and 1980 ft. from E line of sec. 33
NE 1/4 33 15S 12E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat - Mounds Area Carbon Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 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)

Well is now coring at a depth of 8,571 feet in dolomite of undetermined age.
Hole was reduced from 9" to 8 7/8" at 8,408. Coring commenced at 8,567 feet.

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

Company Equity Oil Company
Address 400 Utah Oil Bldg.
Salt Lake City, Utah

By [Signature]
Title Vice President

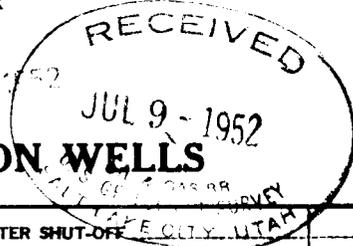
Approved AUG 19 1952
[Signature]
Geologist in Charge

(SUBMIT IN TRIPLICATE)

Land Office Utah
Lease No. U-05298
Unit Unmineralized

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER, WYOMING, 7/11/52



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 REDRILLING 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)

July 8th, 19 52

Well No. 1 is located 1980 ft. from DN line and 1980 ft. from EW line of sec. 33
NE 1/4 33 15 S 12E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat - Mounds Area Carbon Utah
(Field) (County or Subdivision) (State or Territory)

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

Drilling @ 7,948.

Dakota	430	Carmel	2100
Morrison	480	Navaho	2490
Salt Water SS	1170	Kayenta	2850
Sumerville	1320	Chinle	3360
Curtis	1670	Cocconino	4480
Entrada	1830	Wingate	2910

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

Company Equity Oil Company
Address 400 Utah Oil Building
Salt Lake City, Utah

APPROVED JUL 11 1952
By E. C. Carpenter for
District Engineer
Title Vice President.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 43-RM6.8
Approval expires 12-31-52.

LAND OFFICE Utah
LEASE NUMBER U-05298
UNIT Unutilized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 19 52,

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah

Phone 3-7536 Signed [Signature] Agent's title Secretary & Treasurer

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)
NE 1/4 Sec. 33	15S	12E	1							Drilling at 7948'.

RECEIVED
JUL 10 1952
U.S. GEOLOGICAL SURVEY
GAS PRODUCTION DIVISION

RECEIVED
JUL 16 1952
U.S. GEOLOGICAL SURVEY
GAS PRODUCTION DIVISION

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

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

33

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-05298
Unit Unmineralized

JUL 16 1952

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 REDRILLING 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	<u>Drill Stem Test</u>	<u>X</u>

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

July 15, 1952

Well No. 1 is located 1900 ft. from N line and 1980 ft. from E line of sec. 33

NE 33 15S 12E 51N
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat - Mounds Area Carbon Utah
(Field) (County or Subdivision) (State or Territory)

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

Drill Stem Test 8173 - 8408. Open 70 minutes, shut in 20 minutes, good blow throughout. Rec. 3000' gas cut mud, last 4-6 water cut.

Initial Flow Pressure 1250#
Final Flow Pressure 1650#
Shut In Pressure 3300#
Hydrostatic Head 4400#

8411 in 11400(?)

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

Company Equity Oil Company
Address 400 Utah Oil Building
Salt Lake City, Utah
By [Signature]
Title Vice President

Approved AUG 19 1952
District Engineer

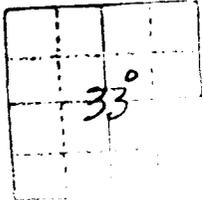
C O N F I D E N T I A L

(SUBMIT IN TRIPPLICATE)

Land Office Utah
 Lease No. U-05298
 Unit Domestic

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER AUG 19 1952



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 REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL			

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

August 11, 19 52

Well No. 1 is located 1900 ft. from N line and 1900 ft. from W line of sec. 33
NE 1/4 33 15 S 12E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wilcat - Mounds Area Carbon Utah
(Field) (County or Subdivision) (State or Territory)

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

Drilling @ 8,779 feet.

Norrison	472	Chinle	3367
Salt Wash sandstone	1173	Shinarump	3562
Summerville	1316	Koonapi	3610
Curtis	1652	Marine-Koonapi	4009
Entrada	1813	Kaleb	4411
Carnel	2091	Cocaine	4678
Navajo	2495	Cocaine Base	5471
Layenta	2825	Pennsylvanian	5521
Kingate	2883		

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

Company Equity Oil Company
 Address 400 Utah Oil Building
Salt Lake City, Utah

Approved AUG 19 1952
[Signature]
 District Engineer
 By [Signature]
 Title Area Engineer

sacks of cement.

DST 4110-4617 open 56 hours.

Initial hydrostatic pressure	1969#
Initial flow pressure	368#
Final flow pressure	500#

Recovered gas with no water. *high in CO₂ same as analysis
no volume figure*

Set McCullough open hole bridging plug # 4614. Set plug 4587-4614 with 10 sacks cement. Failed.

Set 7" casing # 4614 with 146 sacks of cement.

Drilled plug 9-14-52

Run 2½" tubing and swabbed hole dry.

Preparing to shoot with 157½ quarts nitro-glycerine from 4206-4232, 4252-4264, 4290-4336, 4392-4402, 4420-4490.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-2386.2
Approval expires 12-31-52.

LAND OFFICE Utah
LEASE NUMBER U-05298
UNIT Unlimited

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County CARBON Field WILDCAT - MOUNDS

The following is a correct report of operations and production (including drilling and producing wells) for the month of JULY, 1952,

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah

Phone 3-7536 Signed [Signature] Agent's title Secretary & Treasurer

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)
<u>NE 1/4</u> <u>Sec. 33</u>	<u>15S</u>	<u>12E</u>	<u>1</u>							<u>Drilling Depth</u> <u>8580'</u> <u>Tools Stuck in the hole.</u>

RECEIVED
AUG 15 1952
U.S. OIL & GAS BR.
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

RECEIVED
AUG 6 1952
U.S. GEOLOGICAL SURVEY
WASPER, WYOMING

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold;

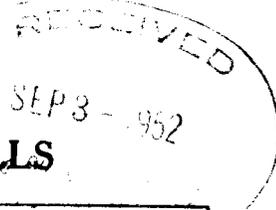
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-05298
Unit Unmineralized



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	

Notice of intention to plug back. X

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

August 29, 52

Well No. 1 is located 1960 ft. from N line and 1680 ft. from E line of sec. 33

NE 1/4 33 15 S 12 E S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the derrick floor above sea level is 5438 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)

No. 1 Mounds has been drilled to a total depth of 9,360 feet. A drill stem test was run from 9270-9360 recovering 300 feet of mud with no gas or oil. As per discussion with Mr. C. A. Hauptman, August 29th, well will now be plugged back to test the Marine Moenkopi in the following manner.

1. A 150 ft. cement plug will be set between 7900-8050 to shut off all lower porous zones.
2. A 760 ft. plug will be set from 4790-5550 to shut off the lower Carbonine sandstone. An extended drill stem test will be run on the top of the Carbonine to test for gas. If dry this will be plugged off and the Marine Moenkopi will be tested.

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

Company EQUITY OIL COMPANY

Address 400 Utah Oil Building
Salt Lake City, Utah

By W.E. Peterson
Title Vice President

Approved SEP 24 1952
[Signature]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER U-05298
UNIT Ununitized

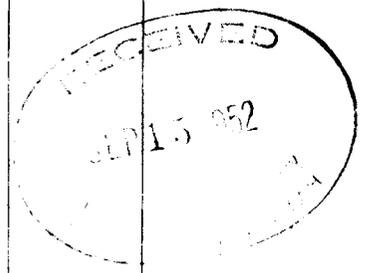
LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1952.

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed M. M. Jensen
Phone 3-7536 Agent's title Secretary & Treasurer

SECTION 4 OF 4	TAX	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL QUANTITY	CUBIC FEET OF GAS IN PLACE	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)
NE 1/4 Sec. 33		15S 12E	1						T. D. 9,360. Plugged back to 4,604. Testing.



SEP 10 1952

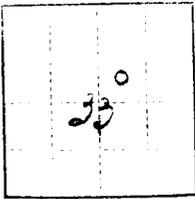
NOTE.—There were None runs or sales of oil; None M. cu. ft. of gas.
None runs or sales of gasoline during the month. (Write "0" when applicable.)
Name of Reporter M. M. Jensen

Form 9-331A
(Feb. 1951)

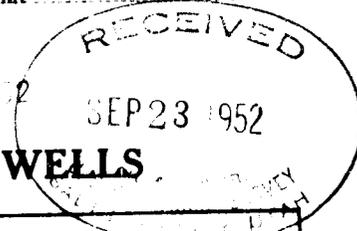
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-05298
Unit Ununitized



ORIGINAL FORWARDED TO CASPER OFFICE



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	X
NOTICE OF INTENTION TO ABANDON WELL		

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

September 22, 1952, 19

Well No. #1 is located 1960 ft. from $\begin{matrix} N \\ S \end{matrix}$ line and 1400 ft. from $\begin{matrix} E \\ W \end{matrix}$ line of sec. 33

33
(1/4 Sec. and Sec. No.)

15S
(Twp.)

12E
(Range)

S1N
(Meridian)

Wildest - Mounds Area
(Field)

Carbon
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 5438 ft. KB

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)

Set plug from 7900-8050 with 60 sacks of cement. Set plug from 5480-5550 with 40 sacks of cement. Failed. Set plug from 4790 to 5530 with 297 sacks cement. On checking, the top of this plug was found at 4759. Cement was drilled out to 4780.

DST ⁶² 4643-4781, open three hours and thirty minutes: 01 9 3 5 2
 Initial Hydro Pressure 2230# 2195
 Initial Flow Pressure 865# 548
 Final Flow Pressure 1500# 1517
 after 30 minutes.
 Shut in Pressure 1585# 1602
 Final Hydrostatic Pressure 2230# 2195

Recovered 1547' mud and 1773' gas cut water. Set plug from 4643-4781 with 73
 I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Equity Oil Company

Address 400 Utah Oil Building

Salt Lake City, Utah

By [Signature]

SEP 24 1952

Title Vice President

Approved

[Signature]
District Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER U-05298
UNIT Ununitized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1952,

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed [Signature]

Phone 22-0429 Agent's title Secretary & Treasurer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS Produced	BARRELS OF OIL	GRAVITY	CUM. 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)
<u>NE 1/4 Sec. 33</u>	<u>15S</u>	<u>12E</u>	<u>1</u>							<u>Shot with 1574 qtd. nitro-glycerine from 4206-4232, 4252-4264, 4290-4336, 4392-4402, 4420-4550. Moved out rotary tools, waiting on clean out rig.</u>

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OCT 15 1952
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

OCT 18 1952

NOTE.—There were _____ runs or sales of oil;

_____ runs or sales of gasoline during the month. (Write "nil" where none.)

NOTE.—Report on this form is required for _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER U-05360
UNIT Wildcat

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1952.

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah

Phone 22-0429 Signed E. Casper Agent's title Vice President

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)
NE 1/4 Sec. 23	15 S	12 E	1							Temporarily shut down @ 4,617.

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JAN 12 1953
U. S. GEOLOGICAL SURVEY
CASPER, WYOMING

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of _____

_____ 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. A duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER 05298
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds
The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1953.
Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed [Signature]
22-0429 Agent's title Vice President
Phone _____

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL PRODUCED	FEET OF GAS (IN INCHES)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (IF OTHER STATE)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>NE 1/4 Sec. 33 15S</u>	<u>12E</u>	<u>1</u>							<u>Temporarily shut down @ 4,617.</u>



Note: There were _____ runs or sales of gasoline during the month.

Note: Report on this form is required for all wells that produce or apply to the supervisory jurisdiction of the Bureau.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER 05298
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

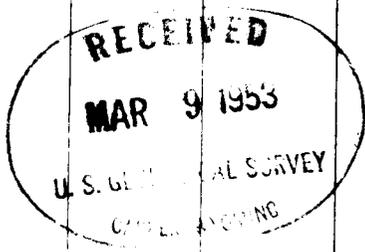
State Utah County Carbon Field Wildcat O Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1953,

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed [Signature]

Phone 22-0429 Agent's title Vice President

SEC. AND 1/4 OF 36	TWP	RANGE	WELL NO.	DAYS PRODUCED	BARRIS 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)
NE 1/4 Sec. 33	15S	12E	1							Temporarily shut down.



NOTE.—There were _____ runs or sides of oil:

_____ runs or sales of gas:

NOTE.—Report on this form is required for a duplicate with the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER 05298
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon 1111 Wildcat - Mounds
 The following is a correct report of operations and production including drilling and producing wells for the month of March 1953
 Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah John A. ...
22-0429 Vice President
 Phone

SEC. AND 1/4 OF 34	TWP.	RANGE	NE 1/4	DATE PRODUCED	BARRELS OF OIL PRODUCED	BARRELS OF GASOLINE PRODUCED	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)
<u>NE 1/4</u> <u>Sec. 33</u>			<u>15 S12E</u>	<u>1</u>				<u>Temporarily shut down.</u>

RECEIVED
APR 13 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER 05298
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 1953

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed W. B. [Signature]

Phone 22-0429 Agent's title Vice President

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)
NE 1/4 Sec. 33	15S	12E	1							Moving cable tools and will attempt to clean out.

RECEIVED
MAY 4 1953

RECEIVED
MAY 6 - 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER U-05298
UNIT Not unitized.

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of May p. 53

Agent's address: 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed [Signature]
Phone 22-0429 Agent's title Vice President

SEC. AND 1/4 OF 36	TOWNSHIP	RANGE	WELL NO.	DATE PROD.	BARRELS OF OIL	GRAVITY	CU. FEET GAS (in thousands)	BARRELS OF GASOLINE (in thousands)	BARRELS OF WATER (if table, so state)	REMARKS (If decline depth of shut down, cause, date and result of test for gasoline content of gas)
NE 1/4 Sec. 33	15S	12E	1							Temporarily shut down.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-2288.2
Approval expires 12-31-52

LAND OFFICE Salt Lake City
LEASE NUMBER U-05298
UNIT Not Utilized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 19 53,

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed V. E. Peterson - ec

Phone 22-0429 Agent's title Vice President

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)
NE 1/4 Sec. 33	15S	12E	1							Temporarily shut down.

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JUL 12 1953
U.S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

U.S. GEOLOGICAL SURVEY
RECEIVED
JUL 9 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE **Salt Lake City**
LEASE NUMBER **U-05298**
UNIT **Not Unitized**

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1953.

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah

Phone 22-0429 Signed _____ Agent's title Vice President

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)
NE 1/4 Sec. 33	15N	12E	1							Temporarily shut down.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER U-05298
UNIT Not Unitized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wilcoat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 19 53.

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed [Signature]
Phone 22-0429 Agent's title Vice President

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)
<u>NE 1/4</u> <u>Sec. 33</u>	<u>15S</u>	<u>12E</u>	<u>1</u>							<u>Temporarily shut down.</u>



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER U-05298
UNIT Not Utilized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds
 The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1953, 19____
 Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed V. E. Peterson, Jr.
22-0429 Agent's title Vice President
 Phone _____

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCE	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)
NE 1/4 Sec. 33	15S	12 E	1							Temporarily shut down.

U.S. GEOLOGICAL SURVEY
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OCT 9 1953
SALT LAKE CITY, UTAH

RECEIVED
OCT 12 1953
U.S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;
 _____ 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.
 Form 9-329 (January 1950)
 16-56706-6 U. S. GOVERNMENT PRINTING OFFICE

RECEIVED
 NOV 5 1953
 CASHIER, RECEIPTS

Budget Bureau No. 43-23863
 Approval expires 12-31-52

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
 LEASE NUMBER H-05298
 UNIT Not Unitized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1953

Agent's address 400 Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah Signed _____
 Phone 22-0429 Agent's title Vice President

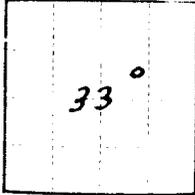
SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE ¼ Sec. 33	15 S	12E	1							Shut down.

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 NOV 13 1953
 U. S. GEOLOGICAL SURVEY
 SALT LAKE CITY, UTAH

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

None 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 TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ORIGINAL FORWARDED TO CASPER

Land Office Salt Lake
Lease No. U-05298
Unit Not Utilized



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

November 30, 1953

- corrected -
Well No. 1 is located 1960 ft. from [N] line and 1680 ft. from [E] line of sec. 33
NE 1/4 33 15 S 12 E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat - Mounds Area Carbon Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5,438 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)

Hole now full of mud unable to get thru shoe of 7" after shot
As per instructions from Mr. H. C. Scoville, well will be plugged by setting

a bridging plug at a depth of 4130 feet and dumping cement by means of a bailer on top of this plug. No casing is to be pulled from hole, but will be left full of heavy mud. A piece of pipe 4" in diameter and ^{10'} 6" long will be cemented in the top of the 7" well casing so that 4' will be left above the ground. This pipe will be marked with name, location and elevation of well. Well location will be leveled and cleaned up before abandonment.

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

Company Equity Oil Company

Address 400 Utah Oil Building

Salt Lake City, Utah By [Signature]

Approved 11-30-53 Title Vice President

[Signature]
District Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER 05298
UNIT Not Unitized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Wildcat - Mounds

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 19 53,

Agent's address 400 Utah Oil Building Company Equity Oil Company

Salt Lake City, Utah Signed V. E. Peterson, by

Phone 22-0429 Agent's title Vice President E. Cooper

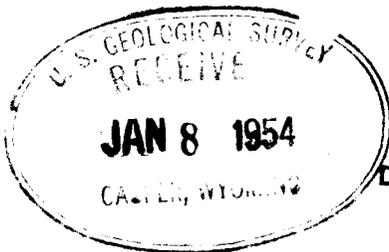
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS Produced	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE 1/4 Sec. 33	15S	12E	1							Preparing to plug and abandon.

U.S. GEOLOGICAL SURVEY
RECEIVED
DEC 7 1953
C. J. ...

RECEIVED
DEC 10 1953
U.S. OIL & GAS BR.
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold; _____ 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.



Budget Bureau No. 43-2386.3
Approval expires 12-31-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER 05298
UNIT Not Unitised

LESSEE'S MONTHLY REPORT OF OPERATIONS

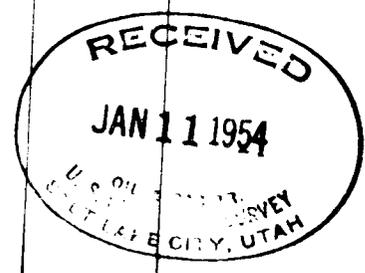
State Utah County Carbon Field Mounds - Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 19 53,

Agent's address Utah Oil Building Company Equity Oil Company
Salt Lake City, Utah

Phone 22-0429 Signed T. E. Peterson, by E. Cooper
Agent's title Vice President

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)
NE 1/4 Sec. 33	15S	12E	1							Preparing to plug and abandon.



NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold; _____ 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.

U 14 05298

Equity Oil Company
#1 Hounds
SW NE, Sec. 33, Twp. 15 S,
Range 12 E, Carbon County, Utah

Elevation: 5438' KB

Spudded: 2-14-52
Completed:

0-05298

Casing:



Sample Log and Well History

10 - 15	Sandstone	Buff to lt. grey, salt & pepper type, fine subang. to subround grains, glassy, hard and dense, w/interbedd dark grey to black, gritty to aren. platy shale, and common crystals gypsum.
15 - 30	Sandstone	Buff to lt. grey, salt & pepper, fine to coarse gr., poorly sorted, w/conglomeritic streaks of large well rounded qtz. floater grs., varicolored chert pebbles, and dark grey clay pellets. Miner gilsonite strks.
30 - 50	Sandstone	As above, but more commonly fine to med. grains, glassy, hard and dense.
50 - 70	Sandstone	Lt. grey, salt and pepper, fine, subang. to well rounded grs., well sorted, w/included dk. grey shale pellets, hard, dense, no visible porosity.
70 - 80	Sandstone	As above, becoming quite shaley.
80 - 90	Sandstone	As above, with very hard, glassy, quartzite strks thinly interbedded.
90 - 100	Sandstone	Lht. grey, salt and pepper, fine to coarse, subround to ang. grs., very harsh and dense.
100 - 140	Sandstone	As above, with common shaley cementing, med. hard to soft.
140 - 160	Sandstone	As above with rare shale pellets included.
160 - 165	Sandstone	Lht. to med. gry, shaley, w/common, interbedded dk. gry. to blk. gritty to aren, mica, shale, good fissility.

165 - 190	Shale	Dk. gry. to blk., gritty to finely aren., mica, good fissility, med. soft, and brittle.
190 - 200	Shale	As above, w/thin strks. lt. famed grey, conglomeritic sandstone interbedded.
200 - 220	Sandstone	lt. to med. grey, salt and pepper, coarse to conglomeritic, angular to well rounded gra. w/tripolite cement, w/thinly interbedded dk. grey to blk. gritty shale, as above.
220 - 230	Shale	Dk. gry. to blk., gritty to finely aren, mica, hard and brittle, w/excellent fissility.
230 - 260	Shale	As above, w/thin sandy strks interbedded, trace of white pulverent gyp.
260 - 300	Shale	As above, w/trace lt. gry., mica, bentonite or tripolite.
300 - 320	Shale	Dk. gry. to blk., gritty, mica, hard and brittle, w/thin strks. lht, to med gry. shaley sandstone interbedded.
320 - 330	Shale	As above, w/trace lt. gry., mica, bentonite.
330 - 340	Shale	As above, w/common coarse grain sandy strks.
340 - 350	Shale	Dk. gry. to blk., gritty to finely aren. mica, very hard, good fissility.
350 - 360	Shale	As above, w/ common coarse gr., sandy strks.
360 - 380	Shale	Dk. gry. to blk., gritty to finely aren, mica, very hard, fissile.
380 - 430	Shale	As above, w/trace lt. grey, mica, bentonite.

Top Dakota (?) Sandstone

430 - 440	Sandstone	Lt. gry, to whitish, fine to very coarse, ang. to subround, gra., poorly sorted, gyp , w/ large qtz. floater gra., hard, no visible porosity, w/ strks greenish, gry. bent.
440 - 480	Sandstone	Lt. gry. to whitish, conglomeritic, w/abundant blk., lt. gry, and milky chert, common white pulverent gyp. and min. bentonite.

Top Morrison Formation

480 - 490	Chert	Lt. gry., whitish, and lt. buff w/minor interbedded dk. gry. to blk. gritty shale and greenish gry. bentonite. Fresh water limestones.
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490 - 510	Shale	Variegated, faded purples, lt. gry-green, and dirty med. greens, soft, waxy, w/thinly interbedded lt. gry., fresh water limestones.
510 - 550	Shale	Variegated, as above, w/common chocolate browns, and min. chert.
550 - 590	Shale	Variegated, more commonly faded purple, gritty to soft and waxy, w/interbedded lt. buff fresh water limestone, min. chert.
590 - 600	Shale	Variegated, as above, w/trace white fibrous gyp.
600 - 630	Shale	Variegated, as above, w/common varicolored chert.
630 - 700	Shale	Variegated, more commonly lt. greenish gry., and gry buff, hard, min waxy, cherty, w/rare gtz. floater grs, and common lt. gry green fresh water limestone.
700 - 750	Shale	Variegated, more commonly faded purples, subsilky to subwaxy, med hard to soft. Rare limestone and chert.
750 - 760	Shale	As above, w/ common limestone.
760 - 790	Shale	As above, w/common limestone, chert and minor dk. clay pellets.
790 - 800	Shale	As above, w/common lemon yellow chert pebbles.
800 - 840	Shale	As above, w/pyrite crystals.
840 - 860	Shale	As above, w/common yellow chert and min. orange chert pebbles.
860 - 890	Shale	Variegated, as above, w/chert absent.
890 - 960	Shale	Variegated, commonly faded purples, gritty to finely aren., in part, dull, w/interbedded gry. buff limestone stringers and common lemon yellow chert.
960 - 1010	Shale	Variegated, as above, w/common yellow chert, and thin stringers of white, orse. gr. angular, glassy sandstone, common white pulverent gypsum.
1010 - 1040	Shale	Variegated, as above, w/common yellow and orange chert.
1040 - 1100	Shale	As above, becoming quite sandy and calc.
1100 - 1130	Limestone	Greenish-gry. to pale olive green, argillaceous, hard, dense, microcrystal.
1130 - kk59		

1130 - 1150	Limestone	Lt. to med greenish gry., argill, hard, dense, microstal., w/rare gts. grs. and mica.
1150 - 1170	Shale	Lt. pl. greenish gry, dull, calc., min mica, med. hard, w/gritty to sandy facies.

Top Salt Wash Sandstone

1170 - 1180	Limestone	Lt. pale greenish gry. and olive green, argill, sandy, hard and dense, w/gradational facies of pale greenish-gry. to whitish sandstone, poorly sorted, fine to crs., subangito well rounded grs., and common chert grs.
1180 - 1190	Limestone	As above, w/common varicolored chert.
1190 - 1210	Limestone	As above, w/chert absent.
1210 - 1220	Shale	Variegated, maroon and pale grn. gry., min mica, calc., med hard and brittle.
1220 - 1230	Shale, as above,	w/min gritty to finely aren. zones.
1230 - 1250	Shale	As above, w/trace orange chert.
1250 - 1260	Limestone	Variegated, hard, dense, sandy to gritty, in part, w/interbedded sandstone strks of pale yellow to whitish, fine to conglomeritic, w/abundant varicolored chert.
1260 - 1280	Limestone	Variegated, as above, w/chert absent.
1280 - 1290	Sandstone	white, crs., subang. to well rounded grs., good sorting, w/gyp cement and interbedd strks, var., argill, limestone, common, white pulverent gyp.
1290 - 1300	Sandstone	white and min. olive green, crs., subang. to well rounded, gyp cement, w/interbedded variegated limestone, as above, common varicolored chert pebbles.
1300-1320	Limestone	Variegated, hard, dense, argill, commonly sandy, cherty, w/min. strks white sandstone.

Top Summerville Formation

1320 - 1350	Limestone	Dk. gry., argill., very sandy, hard dense, w/interbedd. white pulverent gyp. and anhy. and common white sandstone. Minor orange chert pebbles.
1350 - 1360	Shale	Variegated, calc., w/common interbedd. gry-gr., argill. limestone, gritty to finely aren. in part, w/minor strks white sandstone.
1360 - 1380	Shale	As above, w/increase of white sandstone, common white gyp. and chert pebbles.

1380 - 1400	Limestone	Var., argill., gritty in part, w/interbedd. maroon shale, white gyp sandstone. Abundant chert pebbles.
1400 - 1410	Limestone	As above, w/common strks white, crs. gr., calc., sandstone interbedd. Abundant white GYP.
1410 - 1430	Shale	Variegated, generally maroon, calc. w/interbedd. grn. gry. argill., limestone, and white, crs., calc., sandstone. Common white gyp. and vari-colored chert.
1430 - 1440	Limestone -	Med. gry. to gry-buff, argill, microxstal, hard, dense w/common chert.
1440 - 1450	Shale	Var. generally maroon, calc., w/interbedd. grn.-gry, argillid limestone, and white crs. grs., calc., sandstone common chert and white GYP.
1450 - 1460	Sandstone	White, fine to crs., subang. to well rounded, w/ rare orange chert grs., calc. cement commonly gypsiferous and cherty.
1460 - 1520	Limestone	Var., generally grn-gry, argill, w/interbedd maroon, calc., shale and white sandstone, cherty.
1520 - 1580	Shale	Maroon, calc., w/interbedd, pale green to olive green, argill. limestone stringers, gritty, in part. Minor grn.-white, crs. sandstone.
1580 - 1590	Shale	Faded maroon, as above, w/common vari-colored chert.
1590 - 1650	Shale	Faded maroon to brown, highly mica, w/min strks. pale green, argill., limestone and calc. sandstone. Trc. xstal. gyp. and chert.
1650 - 1660	Shale	Brown, mica, as above. w/common varicolored chert pebbles.
1660 - 1670	Shale	As above w/chert absent.

Top Curtis Sandstone

1670 - 1700	Sandstone	Lt. green to greenish white, fine to crs., poorly sorted, common chlorite inclusions, calc. cementing, w/strin ers of greenish-gry limestone.
1700 - 1820	Sandstone	As above, w/common red jasper and orange chert pebbles.

1750 - 1780	Sandstone	As above, w/common varicolored chert pebbles.
1780 - 1820	Sandstone	As above, w/abundant white gyp. and common chert.
1820 - 1830	Limestone	Variegated, argill., gritty to aren. w/interbedd lt. tan fine gr. sandstone, greenish sandstone. Abundant white gyp., qtz. floater grs. and chert pebbles - a reworked zone.

Top Entrance Sandstone

1830 - 1850	Sandstone	Lt. orange-brn., fine toned, subrounded to well rounded grs., good double sorting, calc. cementing.
1850 - 1870	Sandstone	As above, w/common pink stained pulverent gyp. and min. chert.
1870 - 1880	Sandstone	Orange and brown, good double sorting, w/interbedded faded purple, sandy, mica., shales and sandy argill., limestones. Common white gyp.
1880 - 1890	Shale	Brown, sandy, calc. as above, w/interbedded orange sandstone, as above. Common gyp.
1890 - 1900	Sandstone	Orange to brown, w/interbedded shales, as above.
1900 - 2070	Sandstone	Orange, brown, good double sorting, w/interbedd. variegated, sandy, argill., limestones, and calc. shales, abundant chert and qtz. floater grs. reworked zone. Gyp.
2070 - 2100	Sandstone	As above, w/min interbedd limestone and shale, as above, common chert, jasper, and white pulverent gyp.

Top Carmel Formation

2100 - 2150	Limestone	Variegated, argill., gritty to sandy, in part, w/interbedd. lt. orange-brn, sandstone, and maroon shale. Cherty and gyp.
2150 - 2160	Shale	Chocolate brown, highly mica, calc., w/interbedd., variegated, shales and argill., limestones, gritty to finely aren., in part.
2160 - 2190	Limestone	Med. to dk. gry, argill., min mica, hard, dense, gritty, in part.
2190 - 2220	Siltstone	Brown, calc., sandy, w/interbedded brown shaley, sandstone and variegated limestone stringers.

2220 - 2300	Limestone	Med. to dk. gry., argill., gritty, min. mica, w/interbedd. brown and greenish sandstone. Common chert. A reworked zone.
2300 - 2320	Limestone	As above, w/common gry-white reworked, sugary anhydrite.
2320 - 2370	Limestone	Med. to dk. gry., argill., gritty, in part, w/interbedd. faded purple and pale green, calc., shale. common chert pebbles.
2370 - 2380	Limestone	Lt. dirty gry., very sandy, hard, dense, w/rare, large, qtz. floater grs.,
2380 - 2390	Sandstone	Lt. dirty gry., highly calc., fine to med., angular to subangular grs., poorly sorted, hard, dense, w/no porosity.
2390 - 2430	Limestone	Dk. gry., hard, dense w/no visible por.
2430 - 2460	Limestone	As above, w/common white chalk.
2460 - 2470	Dolomite	Lt. gray, coarsely xstall., hard, slightly aren., in part, w/min. p.p. porosity. Trs. pyrite and white xstall dolomite.
2470 - 2490	Dolomite	Dolomite, as above, w/ <u>black dead-oil-stain in fractures</u> . Will not cut w/carbon tet.

Top Navajo Sandstone

2490 - 2530	Sandstone	White, fine to crs., subround, to well round, grs. frosted, calc. cement. w/rare large qtz. floater grs. w/strks pale green limestone and common white pulverent gyp.
2530 - 2570	Sandstone	As above, w/abundant white typ. low-calc.
2570 - 2580	Sandstone	White, as above, w/trace pyrite.
2580 - 2610	Sandstone	White to lt. buff, fine to crs., subround, to well rounded, frosted grs., poorly sorted, w/common white pulverent gyp. trace pyrite.
2610 - 2690	Sandstone	As above, w/abundant white typ.
2690 - 2700	Limestone	White and pink stained, sandy, grading to pink, calc., sandstone.
2700 - 2730	Sandstone	White to lt. buff, fine to crs., subround to well rounded, frosted grs., poorly sorted, w/abundant white gyp.
2730 - 2740	Limestone	White, crsely xstall, hard, dense, finely aren. in part.

2800 - 2810	Sandstone	As above, w/orange chert pebbles.
2810 - 2820	Sandstone	White, pink, and greenish, w/trc. aqua. pyritic shale, and common interbedded pink, sandy dolomite.
2820 - 2830	Sandstone	As above, w/common white gyp.
2830 - 2840	Sandstone	White, greenish, and pink, grading to varicolored, sandy, colo., w/common white chalk.
2840 - 2850	Sandstone	Lt. orange, calc., w/min. aqua. shale intercalated. Common white chalk.

Top Kayenta Formation

2850 - 2880	Sandstone	Reddish - orange, fine to crs., ang. to sub-round grs., calc., poorly sorted, w/interbedd. reddish-brn., fine toned, silty, sandstone and min. choc., mica., and maroon shales.
2880 - 2900	Sandstone	Reddish - orange, sandstone, same as above.
2900 - 2910	Sandstone	Reddish brn., fine to med. gr., silty dol., w/min. interbedd. maroon shale.

Top Wingate Sandstone

2910 - 2920	Sandstone	As above, generally whitish and crs., gr. commonly cherty, w/min. gry. grn., calc. shale.
2920 - 2940	Sandstone	As above, but generally pink-stained, w/common pink-stained typsum.
2940 - 2960	Sandstone	Lt. orange, generally crs., gr., subang. to subround, w/intercalated variegated, calc., shales and trc. reddish limestone. Gyp.
2960 - 2970	Sandstone	As above, but colors vary from lt. orange, reddish orange to orange brn.
2970 - 3010	Sandstone	As above, w/common intercalated variegated shales.
3010 - 3040	Sandstone	Buff to white, fine to crs., poorly sorted, w/var. shales intercalated, common white gyp. and min. chert.
3040 - 3060	Sandstone	Buff, fine to crs., poorly sorted, calc. hard and tight.
3060 - 3070	Sandstone	As above, but soft, friable, w/common, var., shales intercalated.

- 3070 - 3080 Sandstone - buff, fine to coarse, poorly sorted, hard, tight, and slightly calc.
- 3080 - 3090 Sandstone - buff and reddish brn., fine to crs., slightly calc., silty in part, hard and tight.
- 3090 - 3100 Sandstone - generally buff, w/common large qtz floater grs., med. soft, friable, w/common gyp.
- 3100 - 3110 Sandstone - buff and reddish-brn., slightly calc., silty in part, hard and tight, w/maroon and gray-brn shales intercalated.
- 3110 - 3130 Sandstone - as above, soft, friable, gyp.
- 3130 - 3160 Sandstone - buff, slightly calc., hard, tight, w/thin gray-buff limestone stringers. Trc. pyrite.
- 3160 - 3190 Sandstone - buff to whitish, soft, friable, w/common white gypsum.
- 3190 - 3210 Sandstone - as above, w/intercalated maroon and faded purple shale, Trc. pyrite, gyp.
- 3210 - 3230 Sandstone - as above, w/common interbedded variegated, calc., shales, cherty.
- 3230 - 3280 Sandstone - as above, w/abundant chert, pyrite and gypsum.
- 3280 - 3310 Sandstone - light orange, generally crs. gr., soft, friable, commonly gyp.
- 3310 - 3330 Sandstone - as above, w/streak reddish brn., silty, sandstone, cherty.
- 3330 - 3350 Sandstone - as above, w/common var., dolo. shales interbedded cherty and gyp.
- 3350 - 3360 Sandstone - reddish brn., fine to crs., angular gr., poorly sorted, hard, colo., silty, min mica, w/min chert, pyrite, and gypsum.

Top Chinle Shale

- 3360 - 3370 Limestone - olive grn, grn. buff and maroon, dense to med. x stall., dolo., w/intercalated maroon, platy shale.
- 3370 - 3380 Sandstone - red brn. and white, med to crse., min. mica, w/common chert pebbles and min. maroon shales intercalated.
- 3380 - 3390 Siltstone - red brn., dolo., gritty to finely aren., w/interbedded greenish and maroon shales.
- 3390 - 3400 Siltstone - as above, cherty.
- 3400 - 3410 Sandstone, buff to whitish, w/interbedded red-brown siltstone and maroon shales, as above. Common var. chert.
- 3410 - 3440 Siltstone - red-brn., gritty, w/interbedded, varicolored limestones and maroon shale.
- 3440 - 3450 Sandstone - red brn., generally fine gr., silty, dolo, hard w/min. maroon and blue-grn. Shale intercalated.
- 3450 - 3560 Siltstone - red brn., gritty, w/interbedded varicolored limestones and maroon shale. Cherty

Top Moenkopi Formation

3560 - 3630	Shale	Variegated lavender, faded purples, lt. gry, grnish-gry., chocolate brn., and maroon, gritty to finely aven., sli. calc. w/ min chert and varicolored fresh water limestones. Large qtz, floater grns. common. A reworked zone probable equivalent of Shinarump conglomerate.
3630 - 3650	Shale	Chocolate to maroon, gritty to finely aver. w/intercalated olive grn, and lavender, calc., shale.
3650 - 3660	Shale	As above, finely mica, in part w/common chert.
3660 - 3670	Sandstone	Lt. red, brn., fine to coarse, poorly sorted, mica, med. hard, gypsy, w/interbedd chocolate, silty shales, common chert.
3670 - 3690	Sandstone	As above, w/thin strks white, conglomeritic, sandstone.
3690 - 3700	Shale	Chocolate to maroon, gritty to finely aven. w/intercalated varicolored, calc., shales and min. chert.
3700 - 3790	Shale	Same as above, w/interbedd sandy red-brn. siltstone. Trace blue green mottling.
3790 - 3850	Shale	Same as above w/common purple and olive green clay pellets.
3850 - 3870	Siltstone	Greenish white, calc, mica, w/interbedded red-brn, and maroon siltstone and shale.
3870 - 3900	Siltstone	Red, Brn. gritty, w/interbedd, white and maroon siltstone and chocolate to maroon, mica, shales.
3900 - 3910	Shale	Choc., mica, gritty to finely aren, w/thin vchlets wh. sugary anhydrite.
3910 - 3950	Shale	As above, w/thin strks whitish mica, siltstone and min. faded purple shale, gypsy.
3950 - 3960	Sandstone	Lt. brn, very fine gr., silty, mica, calc., w/min. interbedd choc. shale.
3960 - 3990	Shale	Choc., highly mica, gritty, w/interbedd lt. brn, calc., sandstone, as above, Trc. bl. grn., calc. shale.
3990 - 4000	Shale	As above, w/min interbed bl.-grn. to whish, gypsy, mica, sandstone. Min wh. sugary anhy.
4000 - 4010	Shale	As above, becoming quite sandy, w/increase grn. to whish, mica, sandstone.
4010 - 4050	Sandstone	Lt. brn. and grnish-white, fine gr., calc., silty, shly, highly mica, w/min choc. shale intercalated. Trc. white anhy.
4050 - 4080	Shale	Choc., mica, gritty, w/interbed lt. brn, and grnish, white, sandstone, as above.

4080 - 4090	Siltstone	Dirty, gryish - wh., gritty to finely, aven., very calc. w/abundant wh. anhy.
4090 - 4140	Siltstone	Dirty, gryish, wh., gritty to finely aven., very calc., w/ abundant wh. anhy.
4140 - 4150	Siltstone	As above, grading to dk. brn. in color.
4150 - 4180	Siltstone	Whitish to dk. gry., highly mica, very calc. and aven., w/thin strks. lt, gry, anyh., gritty limestone, min. chert.
4180 - 4200	Siltstone	As above, generally whitish, grading into very fine gr., white sandstone. Abundant white gypsum and anhy. cherty.
4200 - 4220	Siltstone	As above, w/maroon and choc. shale intercalated. Abundant varicolored chert pebbles.
4220 - 4250	Siltstone	Whitish to dk. gry., gritty to finely aren., calc. cement, w/lt. dead oil stain and "lignite-like" blk carb. res. due, w/thin strks med. gry. buff limestone. Trc. pyrite.
4250 - 4260	Limestone	Dk. gry., gry-buff, and gry-grn., argill, mica., silty to finely aren w/ <u>common dead oil stain and blk carb. inclusions</u> Min. chert.
4260 - 4280	Siltstone	Generally lt. gry to whitish, highly mica, gritty to finely aren, calc. w/thinly interbed gradational strks., gritty, mica., argill, limestone. Min. pyrite and <u>dead oil stain</u> .
4280 - 4300	Limestone	Med. gry. to white chalky, mica, argill., gritty to finely aren., in part, med hard, brittle, w/trc. <u>dead oil stain</u> .
4300-4310	Limestone	As above, w/abundant white chalk.
4310 - 4330	Limestone	Med gry. to white chalky, w/decrease in chalk content over sample above. Trc. pyrite xstals.
4330 - 4340	Limestone	As above, w/ <u>common dead oil stain</u> and commonly pyritic
4340 - 4350	Limestone	Med. gry to white chalky, as above, w/increase of chalk and black carb. inclusions.
4350 - 4380	Limestone	Lt. to med. gry, generally mica, gritty, w/thin strk, med hard, dense med grn. gry limestone. Common interbed whitish to dk. gry. Dead stained siltstone. Abundant pyrite.
4380 - 4390	Limestone	As above, w/trc. oolites.
4390 - 4480	Limestone	Dk. gry - Dead oil stained, generally silky to finely aren. min., w/thin strks gryish grns., dense limestone and interbedd. Dk. gry to whitish, <u>dead oil stained</u> siltstone. Common pyrite and min. chert.
4480 - 4490	Siltstone	Dk. gry. to whitish, finely aren, mica, common dead oil stained, w/interbed. med gry to grn-gry, argill, silty, mica limestones and min. aqua calc., mica shales. Common pyrite and min. chert.
4490 - 4510	Siltstone	Dk. gry to whitish, gritty to finely aren. mica, calc. cement, w/blk. carb. residue, and commonly interbed choc. and mica, shales, and pale green calc. shales, grading into

4510 - 4520	Limestone	Pale, grnish, gry, argill, hd., dse, pyrite, w/interfing- ered whitish, sandy, limestone, and min choc., to mar. shale, Common white anhy.
4520 - 4530	Limestone	As above, w/min. choc. to mar. shale, and thin stks., dk. gry., sandy, siltstone w/blk. <u>carb. residue.</u>
4530 - 4540	Siltstone	Dk. gry. to whitish, gritty, to finely aren, mica, calc. cement, w/slk <u>carb. residue</u> and commonly interbed. limestone and shales, as above.
4540 - 4550	Limestone	Pale grnish, gry, argill, hd. dse., pyritic, sandy, in part, w/interfing-ered choc., and mar. shales, and min. dk. gry to whitish, calc., sandy, siltstone, w/ dk. <u>carb. residue.</u>
4550 - 4570	Siltstone	Dk. gry. to whitish, w/blk. carb. residue, and inter- fing-ered, shales, and limestones, as above, common white sugary anhy.
4570 - 4600	Limestone,	Siltstone and shale, as above, w/thin strks white, fine to med., ang. sandstone, cherty, anyg, pyritic.
4600 - 4630	Siltstone	Dirty med. gry to dk. gry., gritty to finely aren., mica., calc., w/thinly interbed choc. and mar. shale, silty, mica, in part, and thick strks. lt. gry.-grn shale, intercalated. Trc. pyrite, and <u>blk,</u> <u>carb. residue.</u>
4630 - 4640	Sandstone	Dirty med. grey to dk. grey, silty, shaley, mica, calc.w/discontinuous lenses dk. gry to blk., argill, limestone, and choc. to mar. shales, and pale gry-grn. calc. shale grading to argill, limestone. Minor lt. gry.-grn. to whitish sandstone strks. Trc. <u>blk. carb,</u> <u>residue.</u>

Top Kaibab Limestone - 4640'

4640 - 4650	Limestone	Pale gry., grn., argill, gritty to finely aren, in part, abundant dissem. pyritic crystals, and min. dk. gry. shale inclusions., w/thin strks, grnish white, calc., sandstone, very hd, dse, w/varicolored chert, grs. Trace choc to mar shale common chert and white anhy.
4650 - 4660	Limestone	As above, w/abundant milky chert and commonly interbed. gry. buff, hd, dse, colo. and dk. gry. to blk. argill, limestone. All anhydritic.
4660 - 4670	Limestone	Dk. gry. to blk., gritty to aren, mica., w/interbed. pale grnish-gry., siltstones and sandstones. Common intercalated choc. to mar. shale, abundant chert. All anhydritic.
4670 - 4690	Sandstone	Grnish-white to white, very fine gr., calc, hd, dse, grading into pale grnish-gry sandy limestone/interbed. varigated shales, siltstones, and argill. limestones. Common chert, and abundant

4690 - 4700	Sandstone	Lt. orange buff to whitish, conglom. cristic., cherty, calc. cementing w/interfingered varicolored, argill., limestones, gritty, mica, and variegated shales, mica, gritty in part. Common pyritic. All anhydritic.
4700 - 4710	Chert	Milky, white, w/interfingered dirty med. gry. to dk. gry. silty, calc., sandstone and siltstone, <u>w/blk. carb. residue</u> , pyritic, w/intercalated variegated shales and argill., limestone common crystalline anhy.
4710 - 4720	Sandstone	Shale and Limestone, variegated, interfingered w/chert, gry. buff dolo., and xstalline anhy., a trashy zone w/all types of sedimentation and facies changes.
4720 - 4730	Limestone	Lt. gry. to gry. buff, gritty, sandy, mica, w/interfingered gry-buff, dolo., chert, and var. shales. Abundant gryish white anhy.
4730 - 4740	Chert	Milky white, w/interfingered, limestones, sandstones, and shales, as above. All anhydritic.
4740 - 4780	Dolomite & Anhydritic	Dk. gry. and white mottled, w/intercalated limestones, siltstones, and shales as above, cherty. Trc. <u>blk. carb. residue</u> and pyritic.
4780 - 4790	Anhydrite	White, grading into white and pale grn. sandy limestones and calc. sandstone, cherty w/min. choc. and mar. shales intercalated.
4790 - 4820	Dolomite	Lt. gry., lt. gruish gry, and <u>dk. gry. "hydrocarb.-flecked"</u> silty to finely even., w/abundant white sugary anhy. interfingered and mottled with the dolo. Trc. pyrite, min. blue-white milky chert., lge. qtz. fluster grns., and trc dull grn and olive grn. Sub-waxy, dolo. shale.
4820 - 4830	Dolomite	Dolomite. Lt. gry., lt. gruish gry, and dk. gry. "hydro-carb.-flecked", anhydritic, as above, w/intercalated dull grn. shales, as above, <u>w/slight increase of blk. hydrocarb. mottling (5 to 10%)</u> . Trc. chert.
4830 - 4840	Dolomite	As above, w/min strks. (all. calc.) dolo. limestones interfingered.
4840 - 4880	Dolomite	As above, anhydritic, w/ min. strks. very fine grain, sandstone.

Top Occasional Sandstone - 4878'

4880 - 4900	Sandstone	White, fine to crs., but generally even to gritty or conglom. very hard, glassy appear, w/min white anhy., white opaque chert, <u>trc. blk. hydrocarb.</u> between sand grs., and min dull gruish gry, calc. shales, silty to finely even., in part. Trc. pyritic and dolo. maroon sh. (Cabings?)
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4900 - 4950

Sandstone

As above, gen. crs. to conglom., gritty, massive, w/
min grn. dolo. shale partings. Trc. white, opaque
chert, and finely disseminated pyrite. Trc. blk. hydro-
carb. between sand grs., Trc. dolo. maroon shale.
(Cavings?)

Equity Oil Company

Mounds #1 Government

4950 - 4970	Sandstone	White, fine to crs., gen. crs., poorly sorted, ang. to well rounded, frosted grs., silicious, hd., dse., gyp, pyritic, w/min choc. mar., and pale grn. waxy shale and gry.-grn. argill ls. stringers. Common chert pebbles.
4970 - 5030	Sandstone & Shale	White, crs. to congl., w/equal amount of choc., and mar. shale, and noticeable increase of gry.-grn. argill ls. common wh. anhy, and abund. chert pebbles. <u>A detrital zone.</u>
5030 - 5040	Sandstone & Shale	Wh., fine to crse, subang. to well-rounded, w/equal amount of lt. gry.-grn., calc. sh. w/inbedded sh. pellets, lavender, faded purple and choc., calc. shs. and min. dk. grn.-gry., argill ls. Trc. blue-wh. chert, pyrite, and common wh. gyp.
5040 - 5100	Sandstone	As above, w/common dk. gry. staining and min. <u>blk. hydrocarbon specks</u> between grns. w/min interbed. shs. and argill ls., as above; cherty and gyp, w/trc. pyrite.
5100 - 5110	Sandstone	As above, w/min intercalated varicolored shs. Trc. <u>blk. hydro-carb. specks</u> , and pyrite cherty and gyp.
5110 - 5120	Sandstone	As above, w/common interbed. varigated shs., and gry.-grn. argill, mica, ls. Trc. <u>blk. gyro-carb. specks</u> cherty; gyp. Trc. pyrite.
5120 - 5130	Shale	Generally choc. to mar., and lt. grn.-gry. w/common stringers. Dk. gry. argill. ls., sandy, in part, mica, w/min. wh. sandstone, as above, and varieg. sh. chert, gyp, and common pyrite.
5130 - 5140	Sandstone	As above, w/common interbed. shs. and argill ls., as above, cherty, gyp, and pyritic. Trc. <u>blk. hydro-carb. specks.</u>
5140 - 5150	Sandstone	As above, w/min. intercalated shs. and ls., as above.
5150 - 5160	Sandstone	As above, w/common interbed. shs. and ls., as above.
5160 - 5190	Sandstone	As above, w/trc. sh., as above. Common w, gyp., pyritic, and trc. <u>blk. hydro-carb. specks.</u>
5190 - 5210	Sandstone	As above, w/common interbed., choc., mar., dk. gry. and varieg. shs., sandy and mica., in part. Common gyp., chert and pyrite.

5220 - 5240	Sandstone	As above, w/common var. shs., as above, cherty, gypsy, and pyritic.
5240 - 5250	Sandstone	White, fine to med., generally angular, glassy, hard, dense, gypsy, pyritic, w/intercalated choc., mar, and pale grn. waxy shale. Commonly cherty, w/min. gry. buff dolo. strings, and grn.-gry. gritty, mica, argill, limestone.
5250 - 5270	Sandstone	As above, w/min shales, as above.
5260 - 5290	Sandstone	As above, w/interbed. shales and argill. limestones. Shales content 40% of sple.
5290 - 5310	Shale	Choc., mar., and pale grn. waxy, gritty and calc., in part, w/interbed. sandstone, as above. Abundant varicolored chert, gypsy grn. buff dolo., and grn. gry. argill, gritty, limestone. A reworked section.
5310 - 5320	Shale & Sandstone	As above, approx. 50-50.
5320 - 5330	Sandstone	White, as above, w/approx. 40% shale, as above.
5330 - 5370	Sandstone	White, fine to crs., angular to well round. gypsy, pyritic, hd., dse, w/min intercalated pale grn. waxy, and choc. to mar. sh. Min. thin strings grn. gry, argill, mica., ls.
5370 - 5380	Sandstone	As above, w/increase of argill ls., generally grn. gry., w/lavendar, pink, and gry.-buff. Rare chert.
5380 - 5400	Sandstone	As above, w/abund. wh. pulverent gyp.
5400 - 5420	Sandstone	As above, w/common wh. pulverent gyp. and common grn.-gry., lavendar, pink and gry. buff argill. ls. strgers. Rare chert.
5420 - 5430	Sandstone	As above, w/abund. wh. pulverent gyp.
5430 - 5440	Sandstone	As above, w/argill. ls. and variegated sh. 40% of sple total.
5440 - 5470	Sandstone	Wh., fine to crs., w/common well-rounded large gts. floater grs., generally ang., w/min intercalated variegated sh. and varicolored argill ls. Gypsy, pyritic.
5470 - 5473	Sandstone	White, generally fine to med., sub-round to well-round grs., w/common crse to congl. well-sound. qts. grs. Grc. var. shs. common wh. gyp., and trc. pyritic and chert.
5473 - 5510	Sandstone & Shale	<u>Top Rico (?) 5473</u> Whish, buff and dirty gry. <u>hydro-carbon flecked.</u> w/equal amounts of choc., and maroon, silstne, and sandy shs. w/rare lge qts. "floater" grs. Min. rdish.-brn. and cinnamon, fine grn. sandstone. Bypsy andpyrite. Trc. <u>gilsonite appearing fragments.</u>

- 5510 - 5521 Sandstone & Shale Wh. to dirty med. gry., gen. fine, silicious and cherty w/rare large qtz floater grs, mon mica, gypsy, w/ equal amount of choc., mar., and pale grn. waxy sh., gen. silty and gritty.
- Top Pennsylvanian - 5521'
- 5521 - 5530 Dolomite Dk. gry. and wh. sandy, hd., dse., brittle, w/paper-thin highly mica., argill. ls. strks. Min varicolored chert pebbles.
- 5530 - 5540 Dolomite Generally, wh., argill, gritty to aren. dolo., w/min. dk. gry., dse., mica., gypsy w/rare chert pebbles.
- 5540 - 5550 Sandstone Wh. w/min lavender, fine to med., gen. well-round, grs., hd., dse, silic., sli. calc., mica, w/think strks dk. gry. ls. irc,dk. brn. oil stain.
- 5550 - 5560 Dolomite Lt. gry. to wh. and min dk. gry., sandy in part, w/ min. transitional dolo. sandstone strks. Min mica, w/ common rdish, orange chert and min amber chert.
- 5560 - 5570 Dolomite As above, cherty, becoming anhydritic.
- 5570 - 5580 Dolomite & Anhydrite Pale lavender to whitish generally gritty w/thin aren. strks. and strks, anhy. 1 to 3 ft. thick. Min. rdish, orange and amber chert. Mud "clabbering", and losine circ.
- 5580 - 5600 Dolomite & Anhydrite Lt. gry. buff to whitish, aren., in part. Anhy ls. med. to crsely xstal. giving the appearance of "sand" w/interbed. choc., mar., and pale grn. shs. and varicolored, gritty, argill. ls., cherty, finely mica.
- 5600 - 5610 Shale Choc. brn. and mar. w/min lavender and pale, gritty to finely aren., in part, w/intercalated varicolored argill., ls., dolo., siltstone, fine to crs., wh. ss. All anhydritic common blk. chert pebbles.
- 5610 - 5630 Shale As above, w/commonly interfingered med. to dk. gry. argill. ls. common blk. chert pebbles.
- 5630 - 5640 Siltstone Pale lavender to whitish, finely aren., and mica., w/matrix of anhy. w/intercalated varieg. sh., thin stringers. gry.-buff dolo., min. wh. ss. commonly cherty.
- 5640 - 5650 Siltstone As above, w/increase of gry.-buff anhydritic, dolo., very siliceous, w/abundant rdish orge. an varic. chert.
- 5650 - 5710 Dolomite and Anhydrite Lt. gry. to whitish, gritty to finely aren. mic. w/ min. intercalated choc., mar., brn., and olive grn. gritty sh. commonly cherty.
- 5710 - 5760 Dolomite & Anhydrite Lt. gry. to whitish, gritty to finely aren., mica, w/ min. intercalated choc., mar., brn., and olive grn. Gryish lavender, very hd. dse, silicious gritty, to finely aren., min mica, w/interfingered whitish, anhydritic, siltstone and fine gr. ss., and choc. to maroon shale.

18

5760 - 5800	Sandstone	Dk. gry. to blk., fine to med., ang. to subround., mica, anhy. hd. and tight <u>w/blk. carb. staining, w/interfing. whitish anhy. siltstone, and varieg. shale.</u> Min. chert pebbles.
5790 - 5800	Dolomite & Anhydrite	Lt. gry. and buff to whitish, crsely sandy, in part. w/common xstal. dolo. fracture filling. Abundant wh. milky chert.
5800 - 5810	Sandstone	Lt. gry. to whish, fine-gr., silty, w/dolo. cement, finely mica, pyritic, w/min <u>blk. hydro-carb. stains</u> w/common interfing. lt. gry.-buff to wh. anhdrite and colo. cherty w/min. varicolored sh. interbed.
5810 - 5840	Dolomite & Anhydrite	Lt. gry.-buff to whish w/an equal amount of var. shs. and min. fine-gr. sandstone, as above, abundant varicolored chert. <u>Trc. blk. hydrocarb. stain.</u>
5840 - 5850	Dolomite & Anhdrite	As above, w/common var. stain., w/min intercalated var. shs, as above. Silic. to cherty, in part, w/ <u>trc. pyrite blk. hydro-carb stain.</u>
5850 - 5880		A Detrital zone w/equal amounts var. shs., whish fine to crse, sandstone. lt. gryl-buff, anhydritic dolo. sandy, finely mica., in part, and abund. chert and qts. pebbles. <u>Trc. blk hydro-carb. stain.</u>
5880 - 5900		A Detrital zone, as above, w/common interfing., pink, lavender, and fadedpurp.-stained dolo.
5900 - 5910	Dolomite	Varicolor-stained, anhyritic, finely mica. and aren., in part, w/min choc. to mar. and var. shs silic. to cherty, in part.
5910 - 5930		A Detrital Zone - As above, w/var. sh., sandstones, and dolo., cherty, pyritic and anhydritic.
5930 - 5970	Dolomite	Varicolored, anhydritic, sandy, in part and transit. to dolo. sandstone, finely mica, in part w/min intercalated var. shs. cherty.
5970 - 5980	Sandstone	Whish, fine to crs., silic. to qtzitic, w/min. interbed, var. dolo., and shs., as above. Cherty and finely mica.
5980 - 5990	Sandstone	As above, dolo cementing, min silic material, abundant var. chert anhydritic.
5990 - 6020	Dolomite	Dk. gry. finely mica, and finely aren, in part dse., med. hd., and brittle. Trc. chert.
6020 - 6030	Sandstone	Lt. gry. to whish, fine gr., hd. dse, dolo and anhydritic finely mica. Transit to sandy dolo. Trc. of chert, and choc. to mar. shs.
6030 - 6060	Sandstone	As above, but commonly dirty gry. <u>hydro-carb stained,</u> FINE TO MED. GR.

6080 - 6100	Sandstone	Whish and dirty gry. fine to crs., and congl. w/ common anhydritic dolo. and <u>blk. hydror-carb. stain.</u> Silic and cherty.
6100 - 6120	Sandstone	As above, w/common anhydrite dolo, var. shs, and chert.
6120 - 6130	Sandstone	Dk. gry. dolo, transit to sandy dolo., finely mica, w/ common chert and anhydrite "blebs" w/min strks whish dolo. and anhydrite.
6130 - 6150	Sandstone	As above, w/common ar. shs. and anhy dolo. interfingred commonly cherty.
6150 - 6160	Sandstone & Dolomite	Whish. and dirty gry., w/abundant <u>blk. hydro-carb stain</u> Generally med. xstalline and cherty.
6160 - 6170	Siltstone & Dolomite	Generally dk. gry. to blk, silty ls. finely aren. and mica, highly carb., w/discont. lenses <u>blk. hydrocarb.</u> and veinlets wh. xstal., calcite, and interfing. lt. to med. gry. dolo., dse, to crsly xstal., finely mica. w/trc. <u>blk. hydro-carb. specks.</u>
6170 - 6190	Siltstone & Dolomite	As above, very anhydritic and more commonly crsly xstal.
6190 - 6200	Sandstone & Dolomite	As above, w/abundanters. qts. grs., common lavend. and faded purp. stained dolo., all, anhydritic, w/ trc. wh. fine to crs., poorly sorted quartzite lenses. Common <u>blk. hydro-carb. specks.</u>
6200 - 6210	Sandstone & Dolomite	As above, w/approx. 30% anhy. interbed.
6210 - 6220	Siltstone and Dolomite	Kd. gry. to blk., abundant <u>blk. hydrocarb. stain,</u> all anhydritic.
6220 - 6230	Siltstone & Dolomite	As above, but crsly xstal, and transit to crs. grn. quartzite. Trc. chert and ver. shales.
6230 - 6240	Siltstone & Dolomite	As above, commonly silic to cherty.
6240 - 6260	Siltstone & Dolomite	As above, generally lt. gry. in color, anhydritic and silic.
6260 - 6290	Siltstone & Dolomite & Sandstone	Generally dk. gry. crsly aren. to dolo. sandstone, common <u>blk. hydro-carb stain.</u>
6290 - 6310	Dolomite	Dk. gry to blk. carb., argill, generally dse, w/min. med. xstals, shi calc., finely mica w/common wh. anhy. stringers and wh. calcite veinlets.
6310 - 6320	Limestone	Dk. gry. to blk., carb., argill, dse. to micro xstal. silty to finely aren., and mica, inpart. w/common lt. gry. chalky zones and wh. calcite veinlets. All, med. hd. w/nc porosity.

6330 - 6340	Sandstone	As above, commonly anhydritic, w/common interbed. blk., silty to finely aren. ls. and strks. crse, subang. to subround. sandstone. Common calcite blebs and veinlets.
6340 - 6350	Sandstone	As above, becoming harder and more dolo.
6350 - 6360	Sandstone	As above, w/very hd., glassy quartzite strks.
6360 - 6380	Limestone & Chalk	Lt. gry. buff and dk. gry, med hd. and dse w/trc. qtz floater grs and wh. chert.
6380 - 6390	Limestone & Chalk	As above, becoming finely aren. w/min. soft, fine gr. sandstone w/chalk matrix.
6390 - 6400	Limestone	Med. gry. and lt. gry.-buff w/abundant wh. chalk. Common chert and silic material.
6400 - 6410	Dolomite	Lt. gry., med. xstal, hd., dse, w/common stringers, med. gry.-buff, dse ls. Trc. crsly stal dolo. <u>w/blk. hydro-carb specks.</u>
6410 - 6420	Dolomite	As above, finely aren. and mica w/common wh. chalk.
6420 - 6430	Limestone	lt. gry. buff, chalky, dse, w/interfingered dolo., as above. Common chert, and silic, material.
6430 - 6440	Limestone	As above, w/min rdish-brn. and purp. sandy siltstone and shs. Trc. organe chert.
6440 - 6450	Dolomite	Med. gry. dse., w/common aren. strks., finely mica trc. pyrite.
6450 - 6460	Dolomite	Lt. and med. gry., commonly dull, earthy, brecciated and recemented, w/abundant wh. chert and silic material.
6460 - 6470	Dolomite	As above, w/trc. vugs, filled w/inert <u>blk. hydrocarb.</u>
6470 - 6480	Dolomite	As above, w/abund. milky chert.
6480 - 6500	Chert	Blue-wh., milky w/abundant chalk, and approx. 30% dolo., as above.

- 6500 - 6520 Dolomite
Med. to lt. gry.-buff, and whitish, dse, to min. med. xstal., med. hard, brittle, w/thin blk. dolo. shale partings. Common white milky chert. Trc. anhydrite.
- 6520 - 6530 Dolomite
As above, w/common interzones lt. buff, dse, earthy, finely aren. dolo.
- 6530 - 6540 Dolomite
As above, w/abundant resinous, silicious, material and chert.
- 6540 - 6560 Dolomite
As above, but more commonly med. gry. in color, and med. to crsly, xstal. No visible por.
- 6560 - 6570 Dolomite
Dk. gry. to blk., shaley, hd., and dse, w/approx. 40% med. gray dolo. as above, cherty.
- 6570 - 6600 Limestone
Dk. gry med gry. buff, commonly chalky hd. and dse, w/no porosity, cherty, w/10% dk. gry. to blk. shaley dolo. interfingered.
- 6600 - 6620 Limestone
Generally kd. gry. to blk., argill, common white calcite fracture & fill, commonly cherty w/trc. lt. gry. to whitish, finely aren. ls. and strks crs white, calc., sandstone. Trc. blk. shiny carb. material,
- 6620 - 6630 Limestone
As above, w/abundant white chalk, no sandstone or chert present. Trc. blk. dolo. shale.
- 6630 - 6660 Limestone
As above, w/trc. white, crs., calc. sandstone and milky chert. Trc. blk. dolo shale.
- 6660 - 6670 Limestone
Generally dk. gry. to blk. argill, w/min. white chalk, min. chert, abundant white calcite, frac., -fill, and common blk., dolo., silty shale.
- 6670 - 6690 Limestone
As above, w/lenses gry.-buff, crsly xstal limestone.
- 6690 - 6700 Limestone
As above, w/common white chalk, milky chert, and min. blk. dolo. shale. Trc. white, finely aren. limestone.
- 6700 - 6710 Limestone
As above, w/trc. blk. shiny carb. material, dse. and bibrous. Common white calcite frac. fill.
- 6710 - 6730 Limestone
Blk., dse, hd. & brittle, w/abundant white calcite hairline-fracs, minl dse., gry-buff, and whitish, finely aren, w/common whitish, silty to finely aren. chalk and chalky siltstone. Min chert.
- 6730 - 6740 Limestone
Dk. gry. to blk., argill., crsly xstal. to dse, common hair-line frac., w/10% intercalated lt. gry. to whitish, finely aren., calc. siltstone. Trc. blk. carb. material and blk. dolo. shale.
- 6740 - 6750 Limestone
Dull bl., earthy, highly carb. containing much shiny blk. "gilsonite-type" hydrocarb., soft and dense, w/min. dk. gry.-buff hd and brittle and 10% whitish siltstone, as above. Trace white, fine to crse. quartzitic sandstone, pyrite, and blk. dolo. shale.

5750 - 6760	Limestone	As above, w/gilsonite type hydrocarb. reduced to trc. common med. gry., chalky, limestone. Abundant hair-line frac.
6760 - 6783	Limestone	As above, w/approx 40% lt. gry. to white chalk. Trc. pyrite. <u>"Drilling Break" at 6783'</u>
6783 - 6790	Limestone	Dk. gry. to blk., hd. & sde, w/40% intertingered dk. gry.-buff crsly. xstal dolo. and 10% white chalk. Common white calcite xstals and hair-line-fracs. <u>Good show of gas in mud pits. No reservoir material present. Gas probably from fractures.</u>
6790 - 6795	Limestone & Dolomite	As above, w/excellent dolo. xstals developed along frac., Surfaces. No visible porosity. <u>Good gas show in mud.</u>
6795 - 6800	Limestone & Dolomite	As above, very crsly. xstal., in part. <u>Gas still appearing in mud.</u> Drilling 7 to 8 mins/ft.
6800 - 6810	Limestone	Dk. gry. to blk. and gry.-buff dense, w/min. crsly xstal gry.buff. Approx. 20% white chalk, and chalky, finely aren. siltstone. Trc. pyrite.
6810 - 6820	Limestone	As above, more commonly crsly xstal, w/trc. blk. shiny hydrocarbon.
6820 - 6830	Limestone	As above, becoming argill., w/10% blk. calc. shales intercalated. Common white calcite frac.-fill pyrite, and blk shiny hydrocarb.
6830 - 6840	Limestone	As above, w/common fine to crse. md., tight white, sandy strks. Common shiny blk. hydrocarbon. Trc. white anhy. pyritic, and abundant hair line frac calcite filled.
6840 - 6860	Limestone	Dk. gry. to blk., dull, argill, hd. and sde, w/min. interfingered gry.-buff, dense, and dk. gry. buff crsly xstal; w/approx. 50% blk., dull and common shiny blk. carb. shale, and 10% subwaxy, dull, grnsh.-gry dolo. shale intercalated. Trc. pyrite, and white, fine crse. calc. limestone.
6860 - 6870	Shale	Dull blk., med soft, fissile, silty to finely aren. in part, w/min dk. gry. waxy. snal interfingered and approx. 20% dk. gry. to blk, dk. gry. buff, dense and crsly xstal limestone interfacing. Trc. pyrite.
6870 - 6890	Dolomite	Dirty, dk. gry. and whitish, crsly xstal., dense highly siliceous, in part. pyritic w/ 30% blk. dk. gry. to blk., dk. gray buff, blk. argill, limestone and dull black carb. shale inter bedded. Abundant white calcite frac.-filled.
6890 - 6900	Shale	Dull blk. carb., dolo., and dk. gry. waxy intercalated, w/approx 10% blk. argil, limestone and crsly xstal dk. gryl-buff dolo. Common calcite filled fracs and pyrite.

6900 - 6920	Shale	As above, w/ trc. white quartzitic sandstone.
6920 - 6930	Shale	As above, w/approx. 20% dirty gry. to whitish, med. gr. quartzitic sandstone. Trc. white anhydrite and pyrite
6930 - 6940	Sandstone	Lt. gry. to whitish, fine to crse., poorly sorted, siliceous and quartzitic, in part, w/30% blk. carb. shale and min. blk. limestone interbedded. Min white anhydrite.
6940 - 6970	Shale	As above, w/10% white sandstone, as above. Abundant blk. "gilsonite-type". hydrocarb.
6970 - 7000	Shale	Lt. gry. to blk., carb., w/min interbedded dk. gry. to blk., siliceous, dolo. finely aren., in part w/ trc. rdish-brn., cinnamon, and whitish fine gr. silty, dolo sandstone; and olive green and rdish brn. aren. shale. Trc. white anhy. and pyrite.
7000 - 7010	Shale	Dk. gry. to blk., highly carb., fissile, dolo., w/thin stringers dirty dk. gry. to whitish, quartzitic sandstone, fine to coarse, hard white, calc., min chert grs. w/thin strks. gmish-gry. calc. shale. All pyritic, common white calcite frac. filling.
7010 - 7020	Shale	As above, w/sandstone increasing from five to approx. 50%. Trc. white sugary anhydrite.
7020 - 7040	Sandstone	Dirty dk. gry. to whitish, quartzitic, fine to crs., hard & tight, calc., carb., in part. w/approx. 30% blk. shale, as above, common white anhy. and minor gry. dolo. pebbles.
7040 - 7050	Shale	As above, w/approx. 20% sandstone, as above, common white anhyd. Trc. pyrite.
7050 - 7060	Shale	Dk. gry. to blk., highly carb., thin, platy, w/approx. 5% sandstone, as above.
7060 - 7070	Shale	As above, w/sandstone increasing to approx. 20%.
7070 - 7100	Shale	Dk. gry. to blk., carb., highly fissile, sub-silty to waxy, pyritic, w/abundant white calcite-filled, bed line fracs., w/trc. dirty dk. gry. to whitish sandstone strks. and dk. gry. calc. shale pellets w/ blk. chert grs. Trc. white anhy.
7100 - 7110	Shale	As above, w/trc. dirty gry. to whitish, quartzitic or med. gray. limestone and resinous, siliceous dolomite.
7110 - 7150	Shale	As above, but very carb., graphite appearing w/ common gilsonite type carb. material pyritic.
7150 - 7160	Shale	As above, w/approx 20% dirty gry. to whitish, quartzitic sandstone, carb., calc. cementing, intercalated, all pyritic w/c common limestone pebbles.

7160 - 7170	Shale	As above, w/approx. 20% dirty gry. to whitish, quartzitic sandstone, carb., calc. cementing, intercalated, all pyritic, w/common limestone pebbles. Dirty gry. to whitish, generally fine gr., fin. mica, quartzitic and poorly sorted, in party, no visible porosity, w/intercalated (50% blk. shale, as above. Trc. white anhy.
7170 - 7180	Sandstone	As above, highly pyritic, w/common anhy. and approx. 10% black shale.
7180 - 7190	Shale	As above, w/approx. 5% dirty gry. to whitish sandstone stringers. Min. med. gry. limestone and resinous, siliceous, dolo. strks. Trc. white anhy.
7190 - 7200	Shale	As above, w/approx 40% dirty gry. to whitish sandstone stringers.
7200 - 7250	Shale	Di. gry. to blk., soft, fissile, sub-silky to graphite appearing w/trc. dirty gry. to whitish sandstone strks. Pyritic Trc. anhy. and fibrous calcite frac. fill.
7250 - 7270	Shale	As above, w/approx. 40% dirty gry. to whitish, quartzitic sandstone stringers.
7270 - 7290	Shale	As above, w/approx. 10% dirty gry. to whitish, quartzitic sandstone stringers. Trc. anhy. and pyrite.
7290 - 7320	Shale	As above, w/approx. 40% dk. gry. to blk. argill limestone interfingered, sandy in part. Common white calcite frac. filling.
7320 - 7340	Shale	Dk. gry. to blk., soft, fissile, carb., w/trc inter-fingered blk. argill. ls. common white, calcite frac. filling. Trc. white anhy. and chert.
7340 - 7350	Shale	As above, w/minor intercalated dk. gry. to blk. waxy shale, approx. 20% blk. argill limestone w/abundant blue-white milky chert and fissiliferous. Common pyrite.
7350 - 7360	Shale	As above, becoming very carb. w/graphite appearance. A few chips are fibrous giving the appearance of charcoal very soft and brittle. Abundant chert, pyrite, and min. white anhy. <u>Trc. of gas in samples and mud.</u>
7360 - 7370	Shale	As above, w/common "gilsonite-appearing" carb. material, min. interbedded resinous to white quartzite. Abundant chert, siliceous material and pyrite. <u>Trc. gas in cuttings.</u>
7370 - 7390	Shale	As above, w/quartzite and chert increasing to approx. 40% of sample total.
7390 - 7397	Quartzite	Lt. gry. to whitish, hard, dse, and glassy, w/approx. 40% blk. carb. shale as above, common chert, pyrite, and white anhy. <u>Drilling break at 7397'.</u>

7397 - 7400		(Circulation samples) Shale. Blk. shiny, highly carbon, abundant "gilsonite-appearing" material, and min. fibrous charcoal-like-shale. All very soft and brittle. <u>Good gas show in cuttings and mud.</u> No apparent reservoir material.
7400 - 8000	7410 Shale	Blk. highly carb., fibrous, silky, abund. "gilsonite-appearing" material, w/min dull charcoal. Appear. shale All soft, brittle, and gassy. Trc. whitish quartzite and chert pebbles.
7410 - 7420	Shale	As above, w/trc. detrital material, brick-red shale, congl-size chert pebbles and stringers whitish quartzite. Gen., med. hd., dse, w/no visible poro.
7420 - 7450	Shale	As above, w/trc. detrital material, w/min. blk. gritty, argill. ls. stringers.
7450 - 7460	Limestone	Blk. and lt. gry., med. hd., dse. argill, and finely aren. No visible por. or perma.
7460 - 7470	Limestone	As above, w/intercalated dk. gry. to blk. shale, w/min. gryish white, glassy, sandstone lenses grading into sky. ls. Trc. pyrite.
7470 - 7480	Limestone	As above, w/common detrital material; brick-red, gritty, shale, dk. gry. to blk. shale, sub-silky to shiny "gilsonite-appearing", thick strks., hard, dirty, gryish-white glassy sandstone, min. calcite, hair-line, frac. fill. Commonly pyritic.
7480 - 7510	Limestone	Blk. to lt. gry., chalky, generally gritty, dirty appear., w/interbed. dk. gry. to blk. "paper thin" shale. Min highly carb., shiny "gilsonite-appearing", strks.
7510 - 7540	Shale	Dk. gry. to blk., med. soft, fissile, w/graphite text., calc., w/intercal. blk. argill, axial ls., white chalky sh., brick-red, gritty shale and shiny blk. carb. strks. Min. pyrite.
7540 - 7580	Shale	Dk. gry. to blk., as above, w/commonly interbed., lt. gry.-buff and white-chalky, dolo., ls., hard dse masses commonly pyritic, w/min blue-green, shale stylolites, min. blk. gritty, argill. ls. Fossiliferous.
7580 - 7590	Limestone	Lt. gry., whitish and chalky, and lt. greenish, gry. argillac, generally micro xstal, dse, w/min med. to crsly xstal, all pyritic, w/thinly intercalated olive, calc. shale w/trace shale pellets. There are common sandy phases w/abundant white xstal. Calcite frac. filling. Approx 30% intercalated blk. shale.
7590 - 7600	Shale	Lt. gry. to blk., med hard, brittle, calc., good fissility, w/intercalated olive, waxy, calc. shale and min argill. ls, as above.
7600 - 7630	Shale	Variegated, generally dk. and med. gry., greenish gry, olive green w/approx. 10% maroon and faded purple, all calc., subsilky to waxy, med. hard, brittle, w/common olive and maroon clay pellets. Pyritic w/thin strks greenish-gry. argill ls. Common crinoid stems.

7630 - 7640	Shale	As above, w/10% lt. gry. to nitish sandstone, fine, well rounded, calc., w/abundant blk. chert grs. hard and tite.
7640 - 7660	Shale	As above, w/approx 20% rdish tan, brn., and cinnamon fine gr., silty, shaly, calc. sandstone. Crinoid stems.
7660 - 7670	Shale	Variegated, generally gmish gry., w/abundant olive to dk. gry. clay pellets. Trc. maroon shale. Highly calc.
7670 - 7680	Limestone	Dk. gry., lt. gry. and white chalky finely arenaceous, in part, w/trc. of questionable "oolites, hard and dse." w/intercalated olive gm. waxy, calc., sh. w/minor dk. gry. clay pellets. No maroon.
7680 - 7690	Shale	Dk. gry., med. gry., olive, and gryish. Gry. waxy w/ clay pellets, highly calc., w/interfingered limestone, as above. Trc. maroon shale.
7690 - 7700	Sandstone	Salt and pepper type to white fine to med., well rounded, good sorting, calc. w/abundant blk. chert grs. w/10% intercalated grys. and gmish, gry. shale, w/clay pellets, as above. Trc. maroon shale.
7700 - 7720	Shale	As above, w/approx. 40% sandstone, as above. Trc. maroon shale. Abundant clay pellets and crinoid stems.
7720 - 7750	Limestone	Dk. gry. to blk., argill, hard, dse, w/min interbedded gm.-gry calc. shale, clay pellets. Trc. maroon shale. Pyritic.
7750 - 7830	Shale	Variegated, generally dk. gry. to blk. min maroons, gms., w/strks. white, glassy, fine gr., sandstone. Trc. white sugary anhy. crinoid stems, and gmish gry argill. ls. Pyritic, trc. dolo. fragments. <u>A reworked zone - conglomeritic in gross appearance/</u>
7830 - 7840	Limestone	Dk. gry to blk., oolitic, argill., hd. and ses, w/interbedded variegated shales, as above.
7840 - 7860	Shale	Variegated, w/interfingered dk. gry. to blk. argilli., limestone, as above. Minor white glassy sandstone strks.
7860 - 7870	Shale	As above, w/white sandstone increasing to approx. 20% Common clay pellets. Conglomeritic in general.
7870 - 7920	Shale	Variegated, as above, w/minor dk. gry. to blk. ls. stringers. Trc. white sandstone. Common clay pellets and chert pebbles. Pyritic.
7920 - 7930	Shale	Variegated, as above, w/approx 20% gry. buff, hard, dse, limestone interfingered.
7930 - 7940	Shale	Variegated, as above, w/limestone stringers grading from gry.-buff to dk. gry and blk.

7940 - 7960	Shale	Dk. gry.-blk. excell fissility, fin.mica., hd., brittle, w/intercalated gry.-buff, coarsely x stal, dk. gry dse. and min. gry. buff suc. dolo w/thin stringers white, dolo. com. sandstone, general. csee. to conglom. poorly sorted, hd. tite. Trc. anhy and gilsonite.
7960 - 7970	Shale	As above, w/rare chert grains, varicolored chert pebbles, and min. blk. shale pellets in dolo. matrix. Trc. pyrite.
7970 - 8000	Shale	As above, w/thin strks. resinous, silic., dolo. min. fossils, pink-stained, rose, faded purp., dolo., waxy sha. trc. pyrite. A detrital section w/approx. 10% csee to conglomeritic white sandstone interbedded, hd., dse. quartzitic.
8000 - 8010	Shale	As above, w/min. pk. and faded purp., dolo. waxy sha, silic. dolo., and approx. 10% csee. to congl., wh. quartzitic sandstone. Trc. pyrite.
8010 - 8040	Shale	As above, w/silic. dolo. and quartzitic sandstone increas. to approx. 40% of sample total. Dolo. becoming anhydritic.
8040 - 8050	Dolomite	Gry. buff, med. to crsly xstal and min. dse, sandy, w/ trc. p. p. por., min wh. anhy. and chert. Min interbed. sh., as above.
8050 - 8100	Dolomite	As above, common wh. anhy. w/decrease of blk. sh., as above. Trc. chert @ 8085'.
8100 - 8120	Dolomite	As above, w/blk. sh. increas. to approx. 10%.
8120 - 8140	Dolomite	As above, w/blk. decreas. to less than 10%, as section, 8050-8100' above.
8140 - 8156	Dolomite	Gry.-buff, med to crsly xstal., w/min dse. to micro-xstal., w/min. dse to micro. xstal, common pip. porosity, hair-line vert. to oblique, calcite-filled, frac, common brecc. zones. Trc. pyrite and any. sucrose anhy. No shows.

Core #1 - 8156 - 8191, Rec. 35' (Diamond Cored)

	Dolomite	Gry.-buff, med. to crsly xstal. w/min strks dse. amorph. to micro xstal, common pip porosity, little or no perm. The entire core is inter laced w/hair-line vert. and oblique frac., xstal calcite filled; common fault brecciated zones w/subang. to ang. lt. gry. buff dolo frac, included in darker gry.-buff, dolo. matrix. There are a few strks, white, sucrose, reworked-anhy. Trc. disem. pyrite. The entire core is very hard, with the exception of anhydrite strks.
8190 - 8220	Dolomite	Gry.-buff and min. cream, generally, microxstal, sucrose, w/min. crsly xstal and cream colored dse., w/common hair-line frac, calcite filled, and min blk. shaley dolo. and dolo shale partings (stylolites). Trc. wh. sugary anhyd. <u>Trc. pip porosity.</u>
8220 - 8240	Dolomite	As above, w/increase of wh. sugary, reworked anhy. approx. 10%.

20

8240 - 8250	Dolomite	Generally resinous trc. silic., and gry.-buff, microxstal. to dse. w/trc. crsly xstal. The silic. appearing dolo. is finely xstal, sucrose to glassy. All med. hd., and brittle.
8250 - 8260	Dolomite	As above, but commonly crsly xstal. w/good pip. porosity. Drilled 8 min/ ft.
8260 - 8270	Dolomite	Gry.-buff, res. brn., cream, and min. dk. gry. to blk. microstal. to finely xstal, w/trc. crsly xstal, good p. p. porosity.
8270 - 8280	Dolomite	As above, w/general increase of dk. gry. to blk. shaley dolo., an dolo shale. Common white xstal dolo and calcite frac.-filling, and min. wh. sugary anhy. lenses.
8280 - 8290	Dolomite	Lt. gry. and gry.-buff, generally dse, w/min crsly xstal and commonly anhyd. wh. sugary, reworked. Common dolo. frac. fill; min pip porosity.
8290 - 8300	Dolomite	As above, w/min dk. gry. to blk. dolo. sh. and shly. dolo.
8300 - 8320	Dolomite	Gry.-buff, and resinous brn., dse to crsly xstal, commonly silic. to glassy. Very anhy. Common wh. dolo frac. fill. Trc. pip. porosity.
8320 - 8350	Dolomite	As above, w/common dk. gry. to blk. dolo sh. partings, min. pip porosity, very anhy.
8350 - 8370	Dolomite	As above, w/min intercalated lt. gry., soft, subsilky, dolo. sh.
8370 - 8380	Dolomite	Dk. gry. to blk., micro xstal, to dse, sucrosic, w/min. interzoned gry.-buff and resinous brn., silic, crsly. stal, anhy., w/common whixstal dolo frac., fill. Trc. lt. gry dolo sh. and anly dolo.
8400 - 8340	Dolomite	Kd. Gry. to blk, as above, w/min anhy. and common wh. xstal, dolo. frac, fill. Trc. lt. gry. dolo. sh. and shaley dolo.
8400 - 8500	Dolomite	As above, w/min anhy. and approx 10% lt. gry. dolo. sh. transit, in part, to argill. dolo. All hd. and dse. w/no visible por. or perm. No shows.
8500 - 8510	Dolomite	Lt. to med. gry. buff, crsly xstal, vuggy, common pip. porosity, med. hd., brittle, w/trc. inert carb. material and min. white chalk to evidence of recemented frags. w/white xstal. dolo along frac. surfaces.
8510 - 8550	Dolomite	As above, w/min blk. shale stylolites. Appears massive and thick bedded.
8550 - 8569	Dolomite	As above, commonly chalky, w/trc. pale grnish-gry. waxy shale stylolites, w/rare chert grs. Trc. pyrite
<u>Core #2 - 8568 to 8580, Rec. 12 ft.</u>		
<u>8568</u> - 8580	Dolomite	Lt. to med. gry. buff, varying from dse, and micro-xstal to crsly xstal, w/common sucrosic anhy. mottling and microxstal. dolo. frac.-fill.

Trc. pyrite and lt. gry. shale stylolites. Massive and med. hd. w/no visible por. or perm.

8580 - 8600	Dolomite	As above.
8600 - 8660	Dolomite	Lt. to med. gry.-buff, dense and silic. to crsly xstal., med. hard, anhydritic, w/whitish anhy. occuring as discontinuous lenses and frac. fill, common white xstal dolo. in recemented fracs. Rare blk. chert grs. in lt. gry. shale stylolite. Trc. blk. shale partings and pyrite. Massive to thick-bedded
8660 - 8670	Dolomite	As above, but more commonly anhydritic, dse w.less commonly frac. and recemented. Massive and med. hard.
<u>Top Madison Limestone - 8670'</u>		
8670 - 8710	Dolomite	Crn. to whish, med. xstal, sucrosic, med.hd., w/good pip. porosity, w/common interfing. wh., sugary ls., abund. milky chert, and trc. gry. shale stylolites. Pyritic, massive, drills very hard 30-31 mins per foot.
8710 - 8720	Dolomite	As above, w/common wh. anhy. lenses and mottling. Massive drills, 17-18 mins. per foot.
8720 - 8740	Limestone	Crn. to wh., sucrose, cherty, w/trc. wh. anhy. w/common interfingered lt. gry. dse, limestone. Massive, hard, and dse. Trc. pyrite, gry. shale stylolites, and hair-line cemented frac.
8740 - 8755	Limestone	As above, w/common lt. gry. dolo. interfingered. Trc. buff sandstone (cavins). Cherty. Trc. of petrol. gas while drilling. Broke from 35 mins. per foot to 16 mins per foot.
8755 - 8780	Limestone	As above, w/no buff sandstone, and min chert. Drills 11 to 13 mins. per foot.
8780 - 8800	Limestone	As above, massive, hard and se, w/common iterfing. gy. dolo. as above. Drills, 20 to 21 mins. per foot.
8800 - 8830	Dolomite	Generally cream to white, med. well-developed xstals, med. hard, w/good p. p. porosity, w/common interbedded lt. gry. microstal to dense and suerosic, dolomite, siliceous, in part, hard, trc. of pyrite common white milky chert, and min. blk. chert.
8830 - 8840	Dolomite	As above, w/common strks. lt. gry.-buff and dk. gry. silic. dolo. min chert. Fair p. p. porosity.
8840 - 8850	Dolomite	Med. to dk. gry. buff massive, microstal, hd., dse, and siliceous, w/commonly interbedded lt. gry. to whitish, generally dse, w/min med. xstal dolo. Trc. p. p. porosity and chert.
8850 - 8860	Dolomite	Med. to dk. gry.-buff massive, as above, but quite commonly crsly xstal. w/interbedded lt. gry. to whitish dolo., as above.

8860 - 8880	Dolomite	Med. to dk. gry.-buff massive, siliceous and dense to crsly xstal, hard, brittle, w/trc. lt. gry. to whitish dse. dolo. Trc. chert.
8880 - 8910	Dolomite	As above, w/common frac., recemented, w/white xstal dolo.
8910 - 8920	Dolomite	Med. to dk. gry. buff, massive, as above, w/common interbedded lt. buff, hard, dense, earthy, dolo. that appears to have some clay content, giving a mudstone look. Trc. pip porosity.
8920 - 8940	Dolomite	Lt. Gry. buff, dse. to med. xstal, "honey-combed" w/ p. p. porosity, rare quartz "floater" grs., well-developed dolo. xtals in the vugs, med. hard, w/common interbedded med. to dk. gry.-buff, dse. to crsly xstal. dolo., hard, siliceous, in part. Min white dolo. recemented fracs.
8940 - 8950	Dolomite	As above, more commonly dse w/common kd. brn. resinous siliceous material and blk. chert. Abundant white xstal. dolo. frac.-fill material. Trc. pip. porosity.
8950 - 8970	Dolomite	As above, w/increase of "honey-combed" p. p. porosity and min. blk. chert. Trc. xstal dolo. frac. fill.
8970 - 8980	Dolomite	As above, generally dse., w/trc. pip porosity, and common buff, very crsly. xstal., massive dolo.
8980 - 8990	Dolomite	As above, w/trc. white xstal "rods" of dolo. organic remains of uncertain affinities.
8990 - 9000	Dolomite	As above, w/trc. thin redish.-brn. to rust-colored mudstone partings, or mottling.
9000 - 9070	Dolomite	As above, w/min blk. subwaxy, carb. shale partings, min. rust-colored mudstone, and trc. lt. gry. limestone strks. Dolomite, in general is very crsly xstal.
9070 - 9080	Dolomite	Lt. gry.-buff to dk. gry., generally very crsly xstal. w/common dse, hard, w/increase blk. carb. shale partings. Trc. rust mudstone and lt. gry. limestone. Massive, and broken w/common frac.-fill.
9080 - 9140	Dolomite	As above, w/decrease of blk. shale, commonly dse. and siliceous to cherty. Trc. pyrite.
9140 - 9272	<i>see page 33</i>	
9272 - 9274	Quartzite	White, as above, w/irregular zones of grit and conglomerate.
9274 - 9276	Quartzite	As above.
9276 - 9278	Quartzite	As above, w/agua, waxy shale stylolites.
9278 - 9280	Dolomite	Pale grnish-buff, w/thin bands of dull olive grn., silic. metamorphosed, w/slickensides and rdish-brn. shale or mudstone in hair-line fracs. staining the adjacent wall rock giving a strkd or mottled maroon discoloration

9280 - 9282	Dolomite	As above, altered, w/thin dull olive grn. bands occurring as discontinuous waxy paper-thin lenses, slickensided, w/heavy concentration of sericite along a few planes of slippage; mottled maroon, as above, w/rare blebs white xstal dolo.
9282 - 9284	Dolomite	Altered, as above, w/inclusions of rdish-brn. fine mica shale or mudstone, as above.
9284 - 9286	Dolomite	Altered, mottled, as above.
9286 - 9287	Shale	Very dk. grn., altered, finely mica, slickensided, schistose appearance w/thin discontinuous lenses of white xstal dolo. Along planes of schistosity.
9287 - 9289	Dolomite	Dirty dk. gry., quartzose, shaly, altered, highly mica, very ind., and dse.
9289 - 9291	Dolomite	As above, w/blebs dissem. pyrite, and paper-thin very dk. grn. waxy bands altered shale, giving irregular dk. gry. and lighter gry. banded appearance to core.
9291 - 9292	Dolomite & Shale	Altered, as above, in alternating bands from 1/8 to 1 inch, abundant sericite; w/abundant trilobite remains and min. brachiopods. Dips flat to 2 or 3°.
<u>Diamond Core #3, from 9251 - 9294', Rec. 43'</u>		
9251 - 9252	Dolomite	Dk. gry.-buff, hd., dse. to microxstal w/vert. to oblique hair-line fractures. Trc. blk. altered-shale stylolites.
9252 - 9254	Dolomite	As above, w/common white xstal dolo. blebs. Trc. pyrite.
9254 - 9256	Dolomite	Dk. gry.-buff, hd., dse to microxstal w/vert. to oblique hair-line fractures.
9256 - 9258	Dolomite	As above, w/trc. blk. altered-shale stylolites.
9258 - 9260	Dolomite	As above, w/large blebs white, sugary-textured, microxstalline dolo. Pyrite hole around blebs.
9260 - 9262	Dolomite	Dk. gry.-buff, hd., dse., silic to quartzose. The dolo. matrix is "shot through" with varying sizes of white stal quartz pebbles and fragments, from med to crs. and conglom. w/large blebs white, granular dolo, as above.
9262 - 9264	Dolomite	As above, w/thin partings of dk. grnish-bry. to blk. shale or mudstone, highly quartzose and pyritic, giving banded appearance to core. Dips flat to 2 or 3°.
9264 - 9266	Dolomite	Dk. gry. buff, hd., dse, w/no quartz. present. Vert. to oblique, hair-line fracs., w/white xstal dolo fill.
9266 - 9268	Dolomite	As above, w/small white xstal. dolo. blebs. Trc. pyrite, and common hair-line fracs.

9268 - 9270	Quartzite	White, hd., dse, "shot-through" w/vari-colored chert and quartz pebbles, crs. to conglom. pitted, well-rounded, poorly sorted of varying sizes. Minor dk. gry. banding or mottling. Grc. of pyrite.
9270 - 9272	Quartzite	Dirty med. gryish-white, w/dk. gry. bands, gritty and conglom. as above, w/large white, silic, granular dolo. blebs.

9140 - 9170	Dolomite	Lt. gry. to buff, crsly xstal, w/min blk. carb. shale partings. Commonly silic. to cherty, w/trc. pyrite and anhydrite.
9170 - 9210	Dolomite	Lt. gry to buff, as above, w/increase of blk. carb. shale, less commonly silic. grs. Trc. anhy. and pyrite.
9210 - 9251	Dolomite	As above, becoming sandy to silic, w/common dirty gry. to whish. discontinuous lenses. Qtzite or sandy, silic. dolomite.
<u>Core #3 - 9251 - 9293, Rec. 42'</u>		
9251 - 9270	Dolomite	As above, w/common highly mica, plutty, grnish-gry. shale lenses and disont. shaley, mica., glauconitic gtsite stringers. Trc. hair-line vert. tooblique fracs. Min slickensided, grn. waxy shale partings. All hd. dse. and commonly contorted thin bedding.
9270 - 9272	Quartzite	White, hard, dse., glassy w/common thin streaks crse "floater" grs. or grit. Massive, w/no por. or perm. trc. dissem. pyrite sstals.
9272 - 9274	Quartzite	"hite, as above, w/irregular zones of grit and conglomerate.
9274 - 9276	Quartzite	As above
9276 - 9278	Quartzite	As above, w/aqua, waxy shale stylolites.
9278 - 9280	Dolomite	Pale grnish-buff, w/thin bands of dull olive grn., silic., metamorphosed, w/slickensides and rdish-brn. shale or mudstone in hair-line fracs, staining the adjacent wall rock giving a strkd. or mottled maroon discoloration.
9280 - 9282	Dolomite	As above, altered, w/thin dull olive grn. bands occurring as discontinuous wavy paper-thin lenses, slickensided, w/heavy concentration of sericite along a few planes of slippage; mottled maroon, as above, w/rare blebs white xstal. dolo.
9282 - 9284	Dolomite	Altered, as above, w/inclusions of rdish-brn. fine mica shale or mudstone as above.
9284 - 9286	Dolomite	Altered, mottled, as above.
9286 - 9287	Shale	Very dk. grn., altered, finely mica, slickensided schistose appearance, w/thin discontinuous lenses of white xstal. dolo. along planes of schistosity.
9287 - 9289	Dolomite	Dirty dk. gry., quartzose, shaly, altered, highly mica, very hard, and dse.
9289 - 9291	Dolomite	As above, w/blebs dissem. pyrite, and paper-thin very dk. grn. wavy bands altered shale, giving irregular dk. gry. and lighter gry. banded appearance to core.
9291 - 9293	Dolomite & Shale	Altered, as above, in alterenating bands from 1/8 to 1 inch, abundant sericite; w/abundant trilobite remains and min: brachiopods. Dips; flat to 2 or 3°.

Core #4 - 9293 - 9330, Rec. 37'

- 9293 - 9297 Shale Dk. greenish-gry., dolo., highly mica., platy, w/common discont. lenses crs. grd. gyzite, transit. to sandy, silic dolomite. Pyritic w/common fossils in shale (brachs and trilobites.)
- 9297 - 9313 Shale As above, but more commonly dirty gry. to whish gyzite, w/common dolo. shale lenses. Trcs wh. calcite lenses and waxy slickensided shale.
- 9313 - 9223² Shale Predominantly, dk. greenish-gry., highly mica., very thin and platy, w/common discont. lenses gyzite, as above; highly glauconitic w/common wh. calcite "blebs" commonly fossiliferous.
- 9223 - 9325 Shale As above, w/trcs reddish-brn, highly mica, sandy dolo. and quartzite lenses, w/common lge. qtz. "floater" grs.
- 9325 - 9328 Quartzite Flesh colored to whish, hd. and dse, w/rare chlorite, and varicolored chert grs., w/discontinuous distorted lenses grn.-waxy, silickensided highly mica shale, rdish-brn. sandy, shaley, mica, qtzite lenses. A transitional zone.
- 9328 - 9330 Quartzite Flesh-colored to whish, hd., dse., glassy, w/common varicolored chert grs. Highly mica along bedding planes, generally massive, w/overall sugary appear.

Core #5 - 9330 - 9360' T. D., Core 30'

- 9330 - 9360 Quartzite Flesh-colored to whish, as above, w/min zones, pink and pale grn. stained, hd. glossy and massive. No perm. or per. w/ trcs disse. pyrite and occasional highly mica strks.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER U-05298
UNIT Not Utilized

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Carbon Field Mounds Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1954 EQUITY OIL COMPANY

Agent's address 806 Utah Oil Bldg.
Salt Lake City, Utah

Company
Signed [Signature]
Agent's title Vice President

Phone 22-0429

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 metered)	DATE	VECS
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NE 1/4
Sec. 33 15S 12E 1

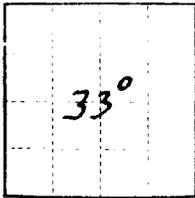
Well abandoned
1-11-54

ORIGINAL FORWARDED TO CASPER



NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold; _____ 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.



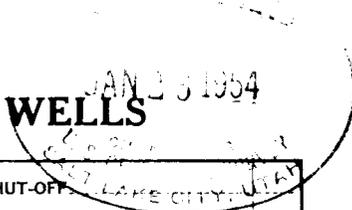
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. U-05298
Unit Not Unitized

OK'ED FOR ROAD TO CASPER

SUNDRY NOTICES AND REPORTS ON WELLS



NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT <input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

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

January 22, 1954, 19

Well No. 1 is located 1900 ft. from N/S line and 1680 ft. from E/W line of sec. 33
N24 - 33 15S 12 E S1M
(Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat - Mounds Carbon Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5,438 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)

Mounds No. 1 (Gov' 6.) was plugged by setting a bridging plug at 4,130 feet in the 7" casing. Several bailers of cement were dumped on top of this bridging plug (about 10 sacks). The hole was filled to surface with heavy mud. A section of 4" pipe about 20 feet long has been cemented into the top of the 7" casing such that four feet of the pipe remains above ground. This pipe has been marked with the name and location of the well. The well location has been leveled and cleaned up before abandonment.

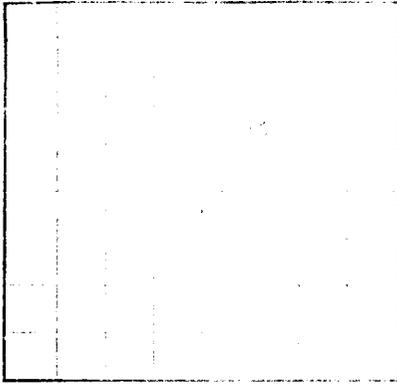
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Equity Oil Company
 Address Utah Oil Building
Salt Lake City, Utah

By W. B. Peterson
 Title Vice President

Approved 8-25-54
[Signature]
 District Engineer

U.S. LAND OFFICE Salt Lake
 SERIAL NUMBER U-05298
 LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 ORIGINAL FORWARDED TO CASPER
LOG OF OIL OR GAS WELL

JAN 23 1954

Company Equity Oil Company Address Utah Oil Building - Salt Lake City, Ut.
 Lessor or Trust Seber Oil Company Field Mildcat - Rouns State Utah
 Well No. 1 Sec. 33 T. 15S R. 12E Meridian SLM County Carbon
 Location 1960 ft. N of N Line and 1680 ft. W of 2 Line of Section 33. Elevation 5438 DF
(Elevation 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 [Signature]

Date January 22, 1954 Title Vice President

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

Commenced drilling February 17, 1952 Finished drilling August 30, 1952

OIL OR GAS SANDS OR ZONES

(Denote as by 1)

No. 1, from _____ to _____ No. 1, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
10 3/4" #10H		8-R	Nat'l.	449	Halliburton	None	x	x	Surface Pipe
7" #20H		8-R	Nat'l.	4164	Halliburton	None	x	x	Production String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
	Set plug in open hole at 7900 - 8050	with 60 sacks cement.			
	Set plug in open hole at 5450 - 5550	with 40 sacks cement. (Failed)			
	Set plug in open hole at 4800 - 5530	with 297 sacks cement.			
	Set plug in open hole at 4804 - 4791	with 75 sacks cement.			
	Set McCullough open hole bridging plug at 4614				
	Set plug in open hole at 4587 - 4614	with 10 sacks cement.			

PLUGS AND ADAPTERS

FOLD MARK

See attached schedule for detail.

TOOLS USED

Rotary tools were used from 0 feet to 9360 TD feet, and from _____ feet to _____ feet

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

DATES

_____ 19____ Put to producing **Dry Hole** _____, 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

Doyle Bird _____, Driller

B. A. Mortensen _____, Driller

Phillip B. Greenhouse _____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
See attached schedules for sample and core logs.			

FROM

TO

TOTAL FEET

[OVER]

FORMATION