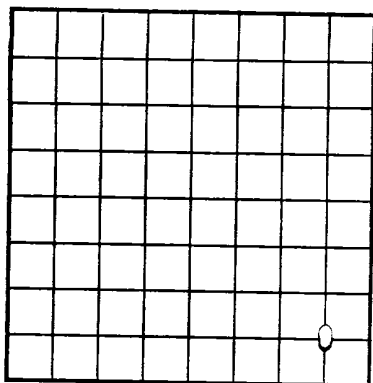


4848

Form 9-330

Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER SF 079035 - A
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Lowry et al Operating Acct. Address P. O. Box 967, Farmington, New Mexico
Lessor or Tract Federal Field South Blanco State New Mexico
Well No. D-204 Sec. 9 T. 24N R. 6W Meridian NM PM County Rio Arriba
(760)
Location 960 ft. {N.} of S. Line and 660 ft. {E.} of W. Line of Sec. 9. Elevation 6610
(Derrick floor relative to sea level)

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

Signed Frank Gray
Title Field Superintendent

Date March 2, 1956

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

Commenced drilling October 19, 1955. Finished drilling December 23, 1955.

TOPS OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2760 Fruitland No. 4, from 5225 Point Lookout
No. 2, from 2995 Picture Cliff No. 5, from 6734 Tocitoto
No. 3, from 4713 Menefee to No. 6, from 7209 Dakota to
7487 Morrison

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	32.75		H-40	458'					Surface Casing
7"	23.46		N-80	7646'					Prod. Casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	458'	200	Plug		
7"	7646'	600	Plug		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from _____ feet to 7646' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Jan. 22, 1956 Put to producing _____, 19____
The production for the first 24 hours was 48 barrels of fluid of which 73 % was oil, _____ %
emulsion; 27 % water; and _____ % sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 3,407 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 2392

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	460	460	Sand & Shale
460	613	153	Shale
613	1816	1203	Sand & Shale
1816	3925	2109	Shale
3925	4057	132	Sand & Shale
4057	4461	404	Shale
4461	4502	41	Sand & Shale
4502	6560	2058	Shale
6560	6638	78	Sand & Shale
6638	6670	32	Shale
6670	6741	71	Shale & Sand
6741	6798	57	Shale
6798	6804	6	Shale & Sand
6804	7275	471	Shale
7275	7654	379	Shale & Sand

CORE RECORDS ON ATTACHED SHEETS

CLASS ON PERMIT TO PROSPECT
SERIAL NUMBER 25 07402
U. S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. A small hole is visible at the bottom left corner of the page.

so far as can be determined from all available records.

The information given herewith is a complete and correct record of the well and all work done thereon.

Location $24 \frac{N}{2}$ of $1 \frac{W}{4}$ of $1 \frac{E}{4}$ Line of $1 \frac{E}{4}$ Sec. 2, T. 1 N., R. 1 W., Meridian 121.1 W., County, Lincoln, State North Dakota.

Lessor or Trust Federal Land Office, State North Dakota.

Address E. C. Fox, 202, Washington, New Mexico.

Company Lower Central Operation, Inc.,

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

Date March 2, 1956

Title Little Coganis-mountain

Perforated 4 holes per foot 7210 to 7280, 1 1/8" oil or gas sands or zones
Fractured with 10,000# 40-60 sand and 11,088 Gallons # 2 Diesel.
Completed drilling October 15, 1955. Finished drilling October 16, 1955.

No. Performed 7 miles per foot 7360 to 7366. I-16-56.
No. performed with #89-60 Santal and T6, 6280 calls # 2 Missed - I-16-56.

JAN 1967

Perforated 7 holes per foot (386 to 770'-1-11-56. Fractured with 5000# 40-60 Sand and 10,000 Gallons # 2 Diesel Oil 12-56

70. Fractured 6 holes per foot 7504' to 7526'. 1-4-56.
No. 1 Fractured with 4000# 40-60 Sand and 4000 Gallons # 2 Diesel. 1-4-56.

Perforated 6 holes per foot 1576 to 1593. 12-31-55.
Fractured with 6530 # 40-60 Sand and 6530 Gallons # 2 Diesel. 1-2-56.

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

HISTORY OF OIL OR GAS WELL

FROM -		TO -		FORMATION RECORD		EMPLOYEES		DATES		TOOLS USED		SHOOTING RECORD		MUDGING AND CEMENTING RECORD			
FROM -	TO -	TOTAL FEET	FORMATION	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
6708	6707	2250	3/4	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6707	6706	2250	3/4	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6706	6705	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6705	6704	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6704	6703	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6703	6702	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6702	6701	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6701	6700	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6700	6699	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6699	6698	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6698	6697	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6697	6696	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6696	6695	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6695	6694	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6694	6693	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6693	6692	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6692	6691	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6691	6690	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6690	6689	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6689	6688	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6688	6687	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6687	6686	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6686	6685	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6685	6684	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6684	6683	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6683	6682	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6682	6681	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6681	6680	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6680	6679	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6679	6678	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6678	6677	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6677	6676	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6676	6675	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6675	6674	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6674	6673	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6673	6672	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6672	6671	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6671	6670	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6670	6669	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6669	6668	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6668	6667	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6667	6666	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6666	6665	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6665	6664	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6664	6663	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6663	6662	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6662	6661	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6661	6660	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6660	6659	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6659	6658	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6658	6657	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6657	6656	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6656	6655	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6655	6654	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6654	6653	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6653	6652	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6652	6651	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6651	6650	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6650	6649	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6649	6648	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6648	6647	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6647	6646	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6646	6645	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6645	6644	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6644	6643	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6643	6642	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6642	6641	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6641	6640	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6640	6639	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6639	6638	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6638	6637	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6637	6636	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6636	6635	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6635	6634	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6634	6633	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6633	6632	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6632	6631	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6631	6630	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6630	6629	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6629	6628	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6628	6627	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6627	6626	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6626	6625	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6625	6624	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6624	6623	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6623	6622	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6622	6621	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6621	6620	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6620	6619	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6619	6618	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6618	6617	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6617	6616	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6616	6615	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6615	6614	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6614	6613	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6613	6612	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6612	6611	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6611	6610	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to						
6610	6609	3255	1	Driller	Driller	Put to producing	feet to	feet to	feet to	feet to	feet to</						

INFORMATION RECORD—Continued

DEVIATIONS

CHARTER TO ALLIANCE WITH

CORE DESCRIPTIONS

Sheet # 1

Core No. 1, pulled November 23, 1955.

Recovered 5' 8" from 6700' to 6711'.

Top 2' Black hard silty medium grain glauconitic sand, vertically fractured, good bleed of gas and odor of oil.

Bottom 3' 8" Black very sandy shale, bleeding gas slightly.

Core No. 2. Pulled November 24, 1955. Cored 28' from 6711 to 6739'.

6711 to 6727 - Black silty to very fine micaeous sandy shale, medium glauconitic sand inclusions, slight bleed of gas.

6728 to 6729 - Black very fine sandy micaeous shale, slight gas bleed.

6729 to 6730 - Dark brown-gray medium silty very glauconitic micaeous sand, compact, vertically fractured, bleeding oil and gas.

6730 to 6731 - Same as above with increase in silt. No frac's.

6731 to 6732 - Same as above with trace Pyrite, No frac's.

6732 to 6733 - Same as above. No Frac's.

6733 to 6734 - Medium coarse to medium clear quartzitic sand, sub quartzitic, slightly glauconitic, few black chert fragments and few black shale streaks.

6734 to 6735 - Medium coarse to medium clear quartzitic sand with brown silt matrix, slightly glauconitic, few black chert fragments, good oil odor, visual porosity.

6735 to 6736 - Same as above.

6736 to 6739 - Black hard silty to very fine sandy shale.

Core No. 3 Pulled December 5, 1955. Cored from 7212' to 7239'.

Recovered 18' as follows:

7212 to 7213 - Clear very fine sub quartzitic sandstone vertically fractured, and with horizontal fractures, florescence and odor of gas.

7213 to 7214 - Clear medium fine quartz sandstone, slightly quartzitic, vertical and horizontal fractures, bleeding gas and distalate, good odor and gas florescence, visual porosity.

7214 to 7215 - Clear to dirty very fine quartzitic sandstone with few black micaeous thin shale partings, bleed of gas and slightly florescence. Vertically fractured.

7215 to 7216 - Same as above with vertical and horizontal fractures, good odor and florescent.

7216 to 7218 - Same as above.

7218 to 7219 - Clear medium fine quartzitic sand, slightly pyritic, good odor bleeding gas, good florescence.

7219 to 7223 - Dark gray to light gray medium fine sub quartzitic sandstone, very thin black micaeous shale partings, bleed of gas, slight odor, vertically fractured.

7223 to 7227 - Same as above with good brown stain.

7227 to 7228 - Same as above, trace gilsonite, good stain.

7228 to 7229 - Same as above with 6" clear quartzitic sand, stained.

7229 to 7230 - Dark gray-brown dirty medium fine micaeous sand with thin black micaeous shale partings, good odor and bleed of gas.

Core No. 4 Pulled December 1955. Cored from 7249 to 7274'.

Recovered 22' as follows:

7249 to 7250 - Dark gray very fine, compact, silty sandstone, vertically fractured, bleeding gas, slight odor of gas, slightly florescent.

7250 to 7251 - Same as above with no fractures, slight stain.

7251 to 7255 - Same as above with vertical fractures, slight stain.

7255 to 7256 - Same as above, no fractures, trace gray chert fragments.

7256 to 7258 - Same as above, no fractures, very thin shale streaks.

7258 to 7262 - Same as above, no fractures, good odor.

7262 to 7263 - Same as above, vertical fractures, good odor.

7263 to 7264 - Same as above, vertical fractures, slight odor.

7264 to 7265 - Same as above, no fractures, slight odor.

7265 to 7266 - Same as above, no fractures, slight odor, few very thin shale partings.

7266 to 7268 - Same as above, vertical fractures, ##### slight odor.

7268 to 7270 - Same as above, vertical fractures, trace pyrite.

Entire core bleeding gas slightly, bottom 3" black hard silty fractured shale bleeding gas slightly.

Core No. 1, pulled November 23, 1955.
Recovered 5' 8" from 6700' to 6711'.
Top 2' Black hard silty medium grain glauconitic sand, vertically fractured,
good bleed of gas and odor of oil.
Bottom 3' 8" Black very sandy shale, bleeding gas slightly.

Core No. 2, pulled November 24, 1955. Cored 28' from 6711' to 6739'.
6711 to 6727 - Black silty to very fine micaceous sandy shale, medium glau-
conitic sand inclusions, slight bleed of gas.
6727 to 6729 - Black very fine sandy micaceous shale, slight gas bleed.
6729 to 6730 - Dark brown-gray medium silty very glauconitic micaceous sand,
compact, vertically fractured, bleeding oil and gas.
6730 to 6731 - Same as above with increase in silt. No fracture.
6731 to 6732 - Same as above with trace pyrite. No fracture.
6732 to 6733 - Same as above. No fracture.
6733 to 6734 - Medium coarse to medium clear quartzitic sand, and quartzitic,
slightly glauconitic, few black chert fragments and few black
shale streaks.
6734 to 6735 - Medium coarse to medium clear quartzitic sand with brown silt
matrix, slightly glauconitic, few black chert fragments, good
oil odor, visual porosity.
6735 to 6736 - Same as above.
6736 to 6739 - Black hard silty to very fine sandy shale.

Core No. 3, pulled December 5, 1955. Cored from 6739' to 7239'.
Recovered 18' as follows:

7239 to 7240 - Clear very fine and quartzitic sandstone vertically fractured,
and with horizontal fractures, fluorescence and odor of gas.
7240 to 7241 - Clear medium fine quartz sandstone, slightly quartzitic, ver-
tical and horizontal fractures, bleeding gas and distaste,
good odor and gas fluorescence, visual porosity.
7241 to 7242 - Clear to dirty very fine quartzitic sandstone with few black
micaceous thin shale partings, bleed of gas and slightly fluor-
escence, vertically fractured.
7242 to 7243 - Same as above with vertical and horizontal fractures, good odor
and fluorescent.
7243 to 7244 - Same as above.
7244 to 7245 - Clear medium fine quartzitic sand, slightly pyritic, good odor
bleeding gas, good fluorescence.
7245 to 7246 - Dark gray to light gray medium fine and quartzitic sandstone,
very thin black micaceous shale partings, bleed of gas, slight
odor, vertically fractured.
7246 to 7247 - Same as above with good brown stain.
7247 to 7248 - Same as above, trace pyrite, good stain.
7248 to 7249 - Same as above with 2' clear quartzitic sand, stained.
7249 to 7250 - Dark gray-brown silty medium fine and quartzitic sand with thin black
micaceous shale partings, good odor and bleed of gas.

Core No. 4, pulled December 1955. Cored from 7250' to 7259'.
Recovered 22' as follows:

7250 to 7251 - Dark gray very fine, compact, silty sandstone, vertically frac-
tured, bleeding gas, slight odor of gas, slightly fluorescent.
7251 to 7252 - Same as above with no fractures, slight stain.
7252 to 7253 - Same as above with vertical fractures, slight stain.
7253 to 7254 - Same as above, no fractures, trace chert fragments.
7254 to 7255 - Same as above, no fractures, very thin shale streaks.
7255 to 7256 - Same as above, no fractures, good odor.
7256 to 7257 - Same as above, vertical fractures, good odor.
7257 to 7258 - Same as above, vertical fractures, slight odor.
7258 to 7259 - Same as above, no fractures, slight odor.
7259 to 7260 - Same as above, no fractures, slight odor, few very thin shale
partings.
7260 to 7261 - Same as above, vertical fractures, trace pyrite.
7261 to 7262 - Same as above, vertical fractures, trace pyrite.

Matrix core bleeding gas slightly, bottom 2' black hard silty
fractured shale bleeding gas slightly.

CORE DESCRIPTIONS

Sheet # 2

Core No. 5 Pulled December 10, 1955. Cored 7342 to 7361'.

Recovered 3 1/2 feet as follows:

7342 to 7343 - Hard light gray-brown very fine quartz sand with very thin carbonaceous streaks, slight bleed of gas, no odor, slight gas florescence, vertical fractures.

7343 to 7345 1/2 - Same as above.

Core No. 6 Pulled December 13, 1955. Cored 7410 to 7434'.

Recovered 11' as follows:

7410 to 7421 - Medium fine clear quartz sandstone sub quartzitic to quartzitic, vertical fractures, few horizontal fractures first foot, core bleeding gas slightly, good gas bleed on fractures slight odor of gas on fresh break.

Core # 7 Pulled December 14, 1955. Cored 7433 to 7439' 2".

Re covered 6' 2" as follows:

7433 to 7434 - Medium fine quartz sandstone, slightly quartzitic, very compact and few gilsonite streaks, slight gas odor, horizontal fractures.

7434 to 7435 - Same as above, horizontal and vertical fractures.

7435 to 7436 - Same as above, horizontal and vertical fractures with thin black micaeous shale partings, slight gas and distalate florescence.

7436 to 7437 - Same as above.

7437 to 7438 - Medium fine quartz, silty, slightly quartzitic sandstone, with very thin shale partings, slightly florescent.

7438 to 7439 - Same as above.

7439 to 7439' 2" - Same as above.

Core # 8 Pulled December 18, 1955. Cored 7532 to 7537'.

Recovered 2' as follows:

7532 to 7536 - Dark grey fine quartzitic sandstone, ~~###~~ trace white chert with vertical fractures.

7536 to 7537 - Light grey fine quartzitic sandstone, light grey and dark grey chert fragments, vertical fractures.

Core # 9 Pulled December 19, 1955. Cored 7537 to 7544'.

Recovered 6' 4" as follows:

7537 to 7538 - Light grey and light brown very fine quartzitic sandstone, few vertical fractures.

7538 to 7539 - Light brown very fine sub quartzitic sandstone, few vertical fractures, spotted oil stain and florescent.

7539 to 7540 - Same as above, clear fine sub quartzitic sandstone, (Damp), few spotted stains and florescent.

7540 to 7543 - Clear medium fine sub quartzitic sandstone, few vertical fractures. (Damp)

7543 to 7543 1/2 - Same as above, highly fractured.

Core # 10 Pulled December 20, 1956. Cored 7556 to 7575, recovered 17' 2".

7556 to 7557 - Light grey medium fine sub quartzitic micaeous sandstone, silty slight gas florescence, vertical fractures.

7557 to 7562 - Clear medium fine sub quartzitic sandstone.

7562 to 7563 - Clear medium to medium fine cross bedded sub quartzitic sand.

7563 to 7566 - Same as above, vertical fracture s.

7566 to 7567 - Same as above with very thin impure dark grey silt streaks.

7567 to 7568 - Clear medium fine sub quartzitic sandstone.

~~7568 to 7569~~ 7569 to 7570 - Clear coarse quartz sand becoming conglomeritic white chert and black clay balls, vertical fractures, scattered gas florescence

~~7569 to 7569~~ 7569 to 7570 - Clear coarse to medium coarse sub quartzitic sandstone kaolin clay cement, slightly pyritic.

7570 to 7571 - Coarse conglomerate very silty sandstone white chalky chert and abundant dark grey clay balls, gas and oil florescence, slight odor on fresh break, vertical fractures.

See reverse side

Core # 10 Cont.

Sheet 2

7571 to 7572 - Clear fine sub quartzitic sandstone.

7572 to 7573 - Clear fine sub quartzitic sandstone with very thin slightly carbonaceous partings.

7573 to 7574' 2" - Medium fine brown stained silty sub quartzitic sandstone black shale partings last part of core, gas florescence, good odor on break.

7574 to 7575 - Same as above. Gas florescence, vertical fractures, carbonaceous streaks, slight odor of gas, no odor, a little very fine brown stain with very thin black shale partings.

Core No. 6 Pulled December 13, 1955. Cored 7575 to 7581. Recovered 11' as follows:

7575 to 7581 - Medium fine clear quartz sandstone and quartzitic sandstone, silty, vertical fractures, few horizontal fractures first foot, some bleeding gas slightly, good odor of gas on fresh break. Slight odor of gas on fresh break.

Core # 7 Pulled December 14, 1955. Cored 7581 to 7587' 2". Recovered 6' 2" as follows:

7583 to 7584 - Medium fine quartz sandstone, slightly quartzitic, very compact and few glauconitic streaks, slight gas odor, horizontal fractures. 7584 to 7585 - Same as above, horizontal and vertical fractures. 7585 to 7586 - Same as above, horizontal and vertical fractures with thin black micaceous shale partings, slight gas and distalate florescence. 7586 to 7587 - Same as above. 7587 to 7588 - Medium fine quartz, silty, slightly quartzitic sandstone, with very thin shale partings, slightly fluorescent. 7588 to 7589 - Same as above. 7589 to 7590' 2" - Same as above.

Core # 8 Pulled December 15, 1955. Cored 7590 to 7597'. Recovered 2' as follows:

7592 to 7593 - Dark grey fine quartzitic sandstone, trace white chert with vertical fractures. 7593 to 7597 - Light grey fine quartzitic sandstone, light grey and dark grey chert fragments, vertical fractures.

Core # 9 Pulled December 19, 1955. Cored 7597 to 7604'. Recovered 6' 6" as follows:

7597 to 7604 - Light grey and light brown very fine quartzitic sandstone, few vertical fractures. 7598 to 7600 - Light brown very fine and quartzitic sandstone, few vertical fractures, spotted oil stain and fluorescent. 7600 to 7601 - Same as above, clear fine and medium fine sandstone, few horizontal fractures and fluorescent. 7601 to 7602 - Clear medium fine and quartzitic sandstone, few vertical fractures. 7602 to 7604 - Same as above, dark grey fracture.

Core # 10 Pulled December 20, 1955. Cored 7604 to 7615, recovered 17' 3".

7604 to 7615 - Light grey medium fine and quartzitic sandstone, silty, slight gas florescence, vertical fractures. 7605 to 7606 - Clear medium fine and quartzitic sandstone. 7606 to 7607 - Clear medium to medium fine cross bedded and quartzitic sand. 7607 to 7608 - Same as above, vertical fracture a. 7608 to 7609 - Same as above with very thin dark grey silty streaks. 7609 to 7610 - Clear medium fine and quartzitic sandstone. 7610 to 7611 - Clear coarse quartz sand becoming conglomeratic white chert and black clay balls, vertical fractures, scattered gas florescence. 7611 to 7612 - Clear coarse to medium coarse and quartzitic sandstone kaolin clay cement, slightly pyritic. 7612 to 7613 - Coarse conglomerate very silty sandstone white chalky chert and brownish dark grey clay balls, gas and oil florescence, slight odor on fresh break, vertical fractures.