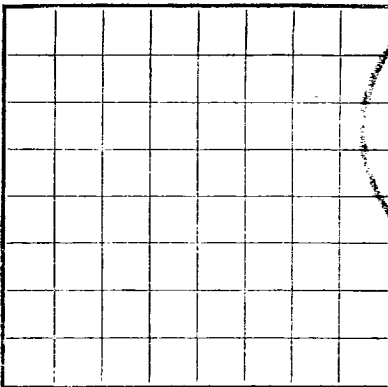
U. S. LAND OFFICE SF
SERIAL NUMBER 079478
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Gaddis Mining Company Address Suite 1500, Mile high center Denver, Colorado
Lessor or Tract Federal Tract Field Star Lake State New Mexico
Well No. 2-A-7 Sec. 7 T. 19N R. 5W Meridian N.M. P.M. County McKinley
Location 330 ft. N of S Line and 330 ft. E of E Line of Section Elevation 6637
(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 _____

John K. PettyDate September 6, 1960Title Consulting Geologist
Farmington, New Mexico

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

Commenced drilling 8-11-60, 1960 Finished drilling 8-24-60, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1508 to 1512 No. 4, from _____ to _____

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

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

IMPORTANT WATER SANDS

No. 1, from 561 to 612 No. 3, from 2065 to 2100No. 2, from 1508 to 1512 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—	
<u>8-5/8</u>	<u>24.7</u>	<u>96</u>	<u>Texas</u>	<u>No</u>					
<u>5-1/2</u>	<u>14</u>	<u>22.5</u>	<u>No</u>						

MUDGING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>96</u>	<u>100</u>			
<u>5-1/2</u>	<u>2245</u>	<u>150</u>			

PLUGS AND ADAPTERS

Heaving plug—Material Baker Length ft Depth set 1900
Baker Size 2052
Adapters—Material _____

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 3450 feet, and from _____ feet to _____ feet

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

DATES

August 28, 1960Put to producing P. & A, 1960

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

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES 50

Driller _____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>140</u>	<u>140</u>	Shale, dark gray, med. gray, very silty
<u>140</u>	<u>185</u>	<u>45</u>	Sand, lt. gray to white to lt. tan, fine calcareous, consolidated, tr. coal.
<u>185</u>	<u>520</u>	<u>335</u>	Shale with sand stringers; sh. dk. gray.
<u>520</u>	<u>561</u>	<u>41</u>	Sand, lt. gray to md. gray, sh. dk. gray
<u>561</u>	<u>612</u>	<u>51</u>	Sand, lt. gray
<u>612</u>	<u>650</u>	<u>38</u>	Shale, md. to dk. gray
<u>650</u>	<u>695</u>	<u>45</u>	Sand, lt. gray and shale, md. to dk. gray, coal.
<u>695</u>	<u>880</u>	<u>185</u>	Sand, lt. gray and shale, md. to dk. gray, coal abundant
<u>880</u>	<u>988</u>	<u>108</u>	Sand, lt. gray and shale, md. to dk. gray, coal abundant
<u>988</u>	<u>1007</u>	<u>19</u>	Sand w/shale streaks - coal abundant
<u>1007</u>	<u>1030</u>	<u>23</u>	Shale w/sand stringers
<u>1030</u>	<u>1060</u>	<u>30</u>	Sand, white & lt. gray fine to md.
<u>1060</u>	<u>1105</u>	<u>45</u>	Shale w/sand stringers, tr. coal
<u>1105</u>	<u>1120</u>	<u>15</u>	Sand, lt. gray to white, tr. coal
<u>1120</u>	<u>1240</u>	<u>120</u>	Shale, dr. gray w/5' to 7' sd. stringers tr. coal
<u>1240</u>	<u>1340</u>	<u>100</u>	Sand, wh. to lt. gray w/shale streaks
<u>1340</u>	<u>1370</u>	<u>30</u>	Shale w/fine sd. streaks
<u>1370</u>	<u>1405</u>	<u>35</u>	Mostly lt. gray to wh. sand, porous & fluorescent
<u>1405</u>	<u>1560</u>	<u>155</u>	shale, dk. gray, w/sand stringers

SEP 13 1962
U.S. DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

SEP 19 1952

11-10-68

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COASTS WEST COAST

[illegible]

Levis Shale
Chacra (Mesaverde)
Point Lookout
Mancos Shale
Hospah Gallup
Hospah
Gallup
TOTAL DEPTH

0-561
561-2065
2065-2800
2200-3122
3122-3251
3251-3363
3363-3750
3750

FORMATION TOPS

SECRETARY T. WATER 24-10-74

cemented peris with 150 sacks regular cement (3) to 500. Four inch flare foot marker cemented in casing at surface with well name and location painted on it with welding head.

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 "side-tracked", or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

(continued below)

FROM-	TO-	TOTAL FEET	FORMATION
1560	1615	65	Sand mostly w/many small stringers of shale
1615	1700	85	Tr. coal, shale, dk. gray & that sand which shows to be everpresent.
1700	1870	170	Tr. coal, sand, lt. gray, bd. bedded in 5 to 10' beds, shale stringers
1870	1910	40	Tr. coal, shale, dk. gray, silty
1910	1933	23	Tr. coal, sand and shale
1933	1968	35	Tr. coal, sand, lt. gray, tan, fine to med. porous w/oil stain
1968	2065	97	Tr. coal, sand, tan, lt. gray, clear, fine to med. unconsol. & consol. watery.
2065	2200	135	Tr. coal, sand has stringers of shale
2200	3000	800	Tr. coal, shale, dk. gray, some coal, small sand stringers and siltstone.
3070	3070	70	Sand and shale, silty, dk. gray
3122	3122	52	Shale with much siltstone
3292	3292	170	Sand with many silty, shale stringers
3292	3450	158	Sand, lt. gray, some clear, consolidated and unconsolidated.

WELL HISTORY

Spudded in and drilled to 107'. Set 96" of 8-5/8" csg. w/100 lb. cement top cement at 70 drilled to 577 sand and shale.

0 577 to 1000' sand and shale

0 1000 - 1559 sand and shale

T.D. 1559 pipe stringer spotted 20 bbl. oil & regained circ. 1559 - 1610 DST #1 1558 - 1610 op. 1' 15" FBTSI then SE 10 min. then became weak thruout test. Rec. 1050'

SI. G & C muddy water

0 1610 - 1980 sand and shale

TD 1980 DST #2 1837 - 1980 op. 2 hrs. FBTSI, GTS 20 min. GBT test. Gas TSTM. Rec. 240' SI. O & GWC 0 M. Drilled to 2082

0 2082 - 2250 sand and shale. DST #3 2002 - 2082 op. 1 1/2 hrs. FBTSI gradual decrease to end of test. Rec. 120 SGO & WC 0M

0 2255 - 2408 sand and shale

0 2408 - 3200 sand and shale

0 3200 - 3450 sand and shale

(LM) Ran Baker wire line and set Baker plug with top 2052. Port. casing 1942-48 w/4 1/2".

0 3450 - 3750 sand and shale

0 3750 - 4000 sand and shale

0 4000 - 4250 sand and shale

0 4250 - 4500 sand and shale

0 4500 - 4750 sand and shale

0 4750 - 5000 sand and shale

0 5000 - 5250 sand and shale

0 5250 - 5500 sand and shale

0 5500 - 5750 sand and shale

0 5750 - 6000 sand and shale

0 6000 - 6250 sand and shale

0 6250 - 6500 sand and shale

0 6500 - 6750 sand and shale

0 6750 - 7000 sand and shale

0 7000 - 7250 sand and shale

0 7250 - 7500 sand and shale

0 7500 - 7750 sand and shale

0 7750 - 8000 sand and shale

0 8000 - 8250 sand and shale

0 8250 - 8500 sand and shale

0 8500 - 8750 sand and shale

0 8750 - 9000 sand and shale

0 9000 - 9250 sand and shale

0 9250 - 9500 sand and shale

0 9500 - 9750 sand and shale

0 9750 - 10000 sand and shale