

FILE NOTATIONS

Entered in NID File

Checked by Chief

Entered On S R Sheet

Copy NID to Field Office

Location Map Pinned

Approval Letter

Card Indexed

Disapproval Letter

IWR for State or Fee Land

COMPLETION DATA:

Date Well Completed

11-20-56

Location Inspected

OW

WW

TA

Bond released

GW

OS

PA

State of Fee Land

LOGS FILED

Driller's Log

1270-56

Electric Logs (No.)

2

E

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

OIL SECURITIES AND GAS CORPORATION

504 WALKER BANK BUILDING

PHONE EM 4-5521

SALT LAKE CITY 11, UTAH

October 18, 1956

N. G. MORGAN, JR.
PRESIDENT

Oil and Gas Conservation Commission
State of Utah
State Capitol
Salt Lake City, Utah

Gentlemen:

Oil Securities and Gas Corporation, a Utah corporation, as operator, holding a Designation of Operator from Mohawk Petroleum Corporation, owner of U. S. oil and gas lease SL 064534, proposes to drill a well on the leased premises to test for oil and gas at a location in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 7, T 21 South, R 19 East, SLM, Grand County, State of Utah. (1370 feet south of the north line and 2130 feet west of the east line of Section 7).

The General Rules and Regulations and Rules of Practice and Procedure of the State Oil and Gas Conservation Commission requires that no well shall be drilled, (1) less than 500 feet from the boundary of any legal subdivision, and (2) less than 4960 feet from any known gas well, without the consent of the State Oil and Gas Conservation Commission.

The proposed location of this well is approximately 50 feet from the north boundary line of the SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 7, but said location is considered necessary because of subsurface geological and adverse terrain conditions. To move this location to the approximate center of this quarter section would subject drilling operations to the possibility of cutting a major fault which traverses the area in a northeast-southwest trend, before reaching the objective drilling depth. The terrain in this immediate area does not lend itself to a variable selection of drill sites. Washes and talis slopes would necessitate road building and fills for a site which work can be avoided by selecting the proposed location. In considering other quarter quarter locations which would be geologically favorable, it would be necessary to locate on higher terrain thus requiring the drilling depths of approximately an additional 500 feet.

The proposed location is approximately 4100 feet from the nearest gas well, No. 2 Gov't, drilled by Oil Securities & Uranium Corporation and located in Lot 8 of this same section. This well is at best only a marginal producer, having an open flow potential of approximately 500 MCF. To move the required 4960 feet from this well would not only place drilling

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Oct. 18, 1956

operations down structure an unfavorable distance, but it would also place the location at elevations requiring greater drilling depths by an estimated 500 feet and additional road building.

Therefore, Oil Securities and Gas Corporation requests the consent of the State Oil and Gas Conservation Commission to the drilling of the proposed well at the above described location.

Respectfully submitted,

Oil Securities and Gas Corporation



N. G. Morgan, Jr., President

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
NOTICE OF INTENTION TO DRILL

OIL AND GAS CONSERVATION COMMISSION

October 18 19 56

In compliance with Rule C-4, notice is hereby given that it is our intention to commence the work of drilling Well No. #3 Gov't which is located 1370 ft. from (N) line and 2130 ft. (E) from () line of Sec. 7, Twp. 21S, R. 19 E, Salt Lake (S) NW Salt Valley (Meridian) (Field or Unit), Grand (County), on or about 24 day of October, 19 56.

LAND: Fee and Patented () Name of Owner of patent or lease Mohawk Petroleum Corp.
State () Address 405 Montgomery St., San Francisco, California
Lease No. _____
Public Domain
Lease No. SL 064534

Is location a regular or exception to spacing rule? exception. Has a surety bond been filed? _____. With whom? Federal (State of Federal) Area in drilling unit _____
Elevation of ground above sea level is _____ ft. All depth measurements taken from top of _____ which is _____ ft. above ground. (Derrick Floor, Rotary Table or Kelley Bushing)
Type of tools to be used cable tools. Proposed drilling depth 3300 ft. Objective formation is Dakota and Morrison.

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight Per Foot	Grade and Type	Amount Ft.	Top In.	Bottom	Cementing Depths
9-5/8 inch surface casing to 150 feet fully cemented.						

AFFIDAVIT

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.
Approved Exception and topography - By [Signature] President (Title or Position)
Date Oct 18 1956 Oil Securities and Gas Corporation (Company or Operator)
By [Signature] Title Commissioner Address 504 Walker Bank Building Salt Lake City, Utah

INSTRUCTIONS:

- 1. Complete this form in duplicate and mail both copies to the Oil and Gas Conservation Commission, Rm. 105, Capitol Building, Salt Lake City 14, Utah.
- 2. A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.
- 3. Any information required by this form that cannot be furnished at the time said form is submitted must be forwarded to the Commission as soon as available.
- 4. Use back of form for remarks.

OIL SECURITIES AND GAS CORPORATION

504 WALKER BANK BUILDING

PHONE EM 4-5521

SALT LAKE CITY 11, UTAH

N. G. MORGAN, JR.
PRESIDENT

October 29, 1956

Oil and Gas Commission
State of Utah
State Capitol Building
Salt Lake City, Utah

Attention: Mr. Feight

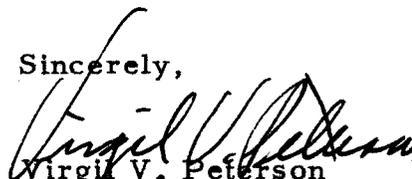
Dear Mr. Feight:

In filing our Notice of Intention to Drill an error was made as to the type of drilling equipment to be used. We indicated that it would be cable tools; actually it will be a rotary rig. I will appreciate your making this change on your records.

The well was designated as Gov't. #3. Officially from hereon out it will be known as #3 Oil Securities - Mohawk - Gov't.

Thanks for your cooperation in this matter.

Sincerely,



Virgil V. Peterson
Land Department

VVP:kg

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

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

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Operating Company Oil Securities & Gas Corp. Address 504 Walker Bank Bldg., SLC, Utah
 Lease or Tract: _____ Field NW Salt Valley State Utah
 Well No. 3 Sec. 7 T. 21S R. 19E Meridian Salt Lake County Grand
 Location 1370 ft. {N./S.} of N. Line and 2130 ft. {E./W.} of E. Line of Section 7 Elevation _____
(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 _____

Date _____ Title _____

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

Commenced drilling October 30, 19 56 Finished drilling November 22, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 3651 to 3694 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—	
<u>9 5/8</u>		<u>8 RT</u>		<u>100'</u>	<u>None</u>				<u>Surface</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>100'</u>	<u>200 Regular</u>	<u>Halliburton</u>		

MARK

FOLD

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 0 feet to 3694 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing _____, 19____

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

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

Rock pressure, lbs. per sq. in. _____

Tool

EMPLOYEES

C. A. Netherington—Pusher _____, Driller _____ I. I. Umphries _____, Driller

K. G. Cooper _____, Driller _____ A. A. Jennings _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	210	210	Mancos - Shale and shells
210	1620	1410	" - Shale
1620	1710	90	" - Shale and limes
1710	2000	290	" - Shale

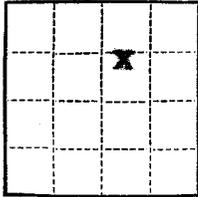
SEE ATTACHED DESCRIPTION LOG FOR TYPE FORMATION FROM 2000' TO 3694'

[OVER]

HISTORY OF OIL OR GAS WELL

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

- Oct. 30, 1956 - Well spudded at 5:00 P.M.
- Oct. 31, 1956 - Set surface pipe at 100' with 100 sacks of cement. Hole reamed to 13 3/4" size.
- Nov. 1, 1956 - Drilled cement plug and commenced drilling 7 7/8" hold.
- Nov. 13, 1956 - Drill stem test #1, 3256-3275'. See attached sample log description for detail.
- Nov. 17, 1956 - Drill stem test #2, 3561-3572'.
- Nov. 19, 1956 - Drill stem test #3, 3644-3675'. Drill stem test #4, 3655-3694'. See attached sample log description for detail.
- Nov. 20, 1956 - Ran Schlumberger logs.
Well not commercial, set cement plugs 3630' to 3694' and 80' to 120'. Set 4" pipe marker in hole.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 064534
Unit _____

*Notes
cont
12/13/56*

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.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

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

December 3, 1956

Well No. Gov't #3 is located 1370 ft. from N line and 2130 ft. from E line of sec. 7

SW 1/4 NE 1/4 Sec. 7 (1/4 Sec. and Sec. No.) 21 South (Twp.) 19 East (Range) Salt Lake (Meridian)
NW Salt Valley (Field) Grand (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5150KB 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)

This well was drilled to a depth of 3694 feet terminating in the top of the Morrison formation. It was plugged and abandoned as a non-commercial well on November 22, 1956. Plugging was effected by injecting 30 sacks of cement to the bottom of hole which extended a column of cement 64 feet upward to the depth of 3630 feet. A cement plug was also set with 25 sacks extending downward 40 feet in the hole from 80 feet to 120 feet bridging in the shoe of the surface casing. A four-inch pipe marker was installed in the hole at the surface bearing the required well data. The hole between plugs was completed filled with drilling mud.

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

Company Oil Securities & Gas Corporation

Address 504 Walker Bank Bldg.

Salt Lake City, Utah

By
Title N. G. Morgan, Jr.
President

OIL SECURITIES AND GAS CORPORATION

504 WALKER BANK BUILDING

PHONE EM 4-5521

SALT LAKE CITY 11, UTAH

N. G. MORGAN, JR.
PRESIDENT

December 7, 1956

RE: Oil & Gas Lease 064534
Gov't. #3 Well

Utah Oil & Gas Commission
State Capitol Building
Salt Lake City, Utah

Attention Mr. Feight

Gentlemen:

Enclosed herewith is one copy of a Log
of oil and gas well drilled in the Northwest Salt
Valley Area, along with a copy of the Schlumberger
Electrical Log and Schlumberger Micro Log.

Sincerely,


Virgil V. Peterson
Land Department

VVP:kg

Encls.

OIL SECURITIES & GAS CORPORATION
Government # 3
SEC. 7-219-19E
Grand County, Utah
Elevation: 5150', EB

Noted
C.A.H.
12/12/56

SAMPLE LOG

<u>DEPTH</u>	<u>DESCRIPTION</u>
2000-10	Dark gray, slightly sandy, poorly fissile, Mancos Shale. Rare fragments light gray limestone.
2010-20	As above.
2020-30	As above.
2030-40	As above.
2040-50	As above.
2050-60	As above plus 10% yellow fine graine easily friable limonite stained sand.
2060-70	80% shale, 20% sand.
2070-80	95% shale, 5% sand.
2080-90	80% shale, 20% sand.
2090-2100	100% shale.
2100-10	As above.
2110-20	As above; trace sand as @ 2150-60.
2120-30	100% shale.
2130-40	100% shale; trace sand as @ 2150-60.
2140-50	As above.
2150-60	100% shale.
2160-70	As above, rare chert inclusions, very fine, in shale.
2170-80	100% shale. Rare streaks of light gray fine grained sandy shale.
2180-90	100% shale; some bedded calcite.
2190-2200	100% shale.
2200-10	As above with some light gray lime.
2210-20	As above.
2220-30	As above.
2230-40	As above; trace of yellow fine grained limonite stained sand.
2240-50	90% shale; 10% light gray lime.
2250-60	100% shale.
2260-70	100% shale.
2270-80	Shale as above, with a trace of white fine grained friable sand.
2280-90	Shale as above, with cherty inclusions.
2290-2300	Shale as above, with trace of sand as @ 2270-80.
2300-10	70% shale; 30% white to gray fine grained clean to shaly limy sand, equals 2210 in Kanab # 1 Government.
2310-20	80% shale; 20% sand as above.
2320-30	80% shale; 10% sand as above; 10% light brown, fine grained, easily friable, stained (?) sand.
2330-40	80% shale; 20% sand as above.
2340-50	As above.
2350-60	As above with some crinoid stem fragments.
2360-70	Shale, as above with trace of sand as @ 2330-40.

DEPTH

DESCRIPTION

2380-90	Shale as above.
2390-2400	As above
2400-10	Missed.
2410-20	Missed.
2420-30	Missed.
2430-40	100% shale with a trace of sand as @ 2330-40.
2440-50	100% shale.
2450-60	As above.
2460-70	Shale, as above, with a trace of crinoid stem fragments.
2470-80	Missed.
2480-90	100% shale.
2490-2500	100% shale.
2500-10	Shale, as above.
2510-20	Shale as above with a trace of light gray, fine grained, shaley sand.
2520-30	Shale, as above, with a trace of sand as above.
2530-40	Shale with trace of sand as above.
2540-50	Shale with trace of sand as above, plus a trace of bedded calcit.
2550-60	Shale with trace of sand as above.
2560-70	100% shale; shale is sandy and limy.
2570-80	Missed.
2580-90	Missed.
2590-2600	Missed.
2600-10	60% dark gray very sandy shale; 40% light gray fine grained, very shaley sand; trace of gray limestone.
2610-20	50% sandy shale as above; 50% shaley sand as above.
2620-30	40% sandy shale as above; 60% shaley sand as above.
2630-40	40% sandy shale as above; 60% shaley sand as above.
2640-50	50% sandy shale as above; 50% shaley sand as above.
2650-60	70% sandy shale as above; 30% shaley sand as above.
2660-70	80% sandy shale as above; 20% shaley sand as above.
2670-80	90% sandy shale as above; 10% shaley sand as above.
2680-90	90% sandy shale as above; 10% shaley sand as above.
2690-2700	90% sandy shale as above; 10% shaley sand as above.
2700-10	100% dark gray silty sandy shale - equals 2520 in Gov't # 1.
2710-20	Sandy shale as above.
2720-30	As above.
2730-40	90% dark gray shale; 10% light gray fine grained, very limy hard sand.
2740-50	80% shale as above; 20% sand as above; slight staining.
2750-60	95% shale as above; 5% sand as above; no staining.
2760-70	95% shale as above; 5% sand as above; no staining.
2770-80	100% slightly sandy shale; some limy and brittle; trace limestone.
2780-90	As above.
2790-2800	90% dark gray shale; 10% light tan, very finely crystalline limestone; abundant crinoid stems.
2800-10	100% limestone as above.
2810-20	100% limestone as above.
2820-30	100% limestone as above.
2830-40	100% limestone as above.
2840-50	100% limestone as above.
2850-60	100% shale with trace of limestone, as above.

DEPTH**DESCRIPTION**

2860-70 100% dark gray shale; trace of light tan very finely crystalline limestone.

2870-80 As above.

2880-90 As above.

2890-2900 As above.

2900-10 100% dark gray shale; trace light gray limestone with fragments of crinoid stems.

2910-20 Shale as above; trace of crinoid stems; trace of pyrite.

2920-30 100% shale as above; trace of orange yellow fine grained limonite stained sand.

2930-40 100% shale as above, with a trace of sand as above.

2940-50 Missing.

2950-60 Dark gray silty, poorly fissile Mancos shale; rare fragments of light gray limestone; occasional pyrite.

2960-70 Dark gray, silty, poorly fissile shale as above.

2970-80 As above.

2980-90 As above.

2990-3000 A As Above.

3000-10 Dark gray slightly sandy, Mancos shale.

3010-20 As above.

3020-30 As above with rare fragments of light gray and white bentonite.

3030-40 Shale, as above.

3040-50 Shale as above with a trace of pyrite.

3050-60 As above.

3060-70 As above.

3070-80 Shale, as above. No pyrite.

3080-90 Shale, as above.

3090-3100 Shale, as above; trace of salt and pepper, fine grained, sandstone.

3100-10 100% black shale; trace gray siltstone.

3110-20 Shale as above with trace of siltstone as above.

3120-30 100% black shale, some quite limy.

3130-40 95% dark gray shale; 5% light gray sandy siltstone; crinoid stem fragments.

3140-50 100% dark gray shale as above.

3150-60 95% dark gray shale; 5% light gray sandy siltstone; Crinoid stem fragments.

3160-70 100% dark gray shale as above; trace of siltstone as above; trace of crinoid stem fragments.

3170-80 95% dark gray shale, some slightly cherty; 5% tan to brown very finely crystalline limestone.

3180-90 100% dark gray shale; trace limestone as above; trace gray fine grained silty sandstone.

3190-3200 95% dark gray shale as above; 5% limestone as above.

3200-10 95% shale as above; 5% limestone as above.

3210-20 90% shale as above; 5% gray sandy siltstone; 5% brown sandy limestone.

3220-30 55% shale as above; 45% light gray to white bentonite.

3230-40 90% shale as above; 5% light brown fine grained, limy, sandstone; 5% white to brown, finely crystalline limestone.

3240-45 100% shale as above; trace limy sand; trace limestone.

DEPTH

DESCRIPTION

3245-50 100% shale as above; trace fine grained, brown, silty sandstone; trace finely crystalline cherty limestone.

3250-55 95% shale as above; 5% gray fine grained silty to clean friable sandstone; trace brown, lithographic, cherty limestone.

3255-60 90% shale as above; 10% fine grained, silty to limy, hard sand. Trace limestone as above.

3260-65 95% black shale and dark gray siltstone; 5% gray fine grained, limy, sand with amber grains.

3265-70 95% shale and siltstone as above; 5% gray to pink, medium grained angular sand with clear to pink quartz crystals.

3270-75 Sand, very fine grained to fine grained, hard, limy, gray salt and pepper; dark gray fine grained siltstone; gray to pink, medium grained, hard, limy to friable glauconitic, pyritic, occasionally micaceous (mica phlogopite ?), sub-rounded to angular quartz grains; occasional frosted quartz grains; occasional chert fragments.

3275 15 minute circulating sample. Sands as above; 10% light gray bentonite with clear quartz grains imbedded therein.

Drill Stem Test No. 1, 3256-3275.

Opened tool with a very weak blow through 1/4" hose, which died in 8 minutes. Left tool open for 15 minutes, then reset and re-opened with very weak blow as before, which was dead after 8 minutes. Tool open for a total of 30 minutes and then closed for 30 minutes for shut-in pressure. Tested by Halliburton. Recovered 20' of drilling mud.

Initial Hydrostatic Pressure	1560
Initial Flowing Pressure	0
Final Flowing Pressure	0
Shut-In Pressure (30 Min.)	0
Final Hydrostatic Pressure	1560

3275-80 Gray, fine grained, very silty to limy, hard, tight, sand.

3280-85 Sand as above; trace light gray very fine grained bentonitic sand.

3285-90 90% dark gray, medium grained, very silty sand and very sandy silt; 10% sand as above.

3290-95 95% silty sand as above; 5% sand as above.

3295-3300 As above.

3300-3305 100% dark gray, medium grained, very silty sand and very sandy siltstone.

3310-3315 As above.

3315-3320 As above.

3320-3325 As above.

3325-3330 100% dark gray, very sandy siltstone and medium grained very silty sandstone.

DEPTH

DESCRIPTION

- 3330-35 100% dark gray, very sandy siltstone and medium grained, very silty sandstone.
- 3335-40 As above; some free pyrite and some pyrite disseminated in siltstone.
- 3340-45 As above; trace olive green shale; trace finely disseminated pyrite.
- 3345-50 As above, including green shale.
- 3350-55 90% dark gray, sandstone, silty, as above; 10% white, fine grained to medium grained, limy, angular to sub-angular, quartz sand.
- 3355-60 90% as above; 10% white sandy bentonite; trace brown, medium grained, easily friable, angular to sub-angular, sand, composed of quartz grains and small granules of black shale, oil stained (?).
- 3360-65 As above (except no brown sand); trace of brown, finely crystalline, fossiliferous to sandy limestone.
- 3365-70 95% dark gray silty sand and sandy siltstone; 5% tan bentonite with rounded, fine, quartz grains; trace light green, sandy, bentonitic, shale; trace brown calcite; one piece gray, fine grained, limy sand.
- 3370-75 100% dark gray, sandy siltstone; trace olive green shale.
- 3375-80 90% dark gray sandy siltstone and silty sandstone; 10% white to light green, sandy bentonite.
- 3380-85 100% dark gray, sandy siltstone; trace tan bituminite with fine quartz.
- 3385-90 As above.
- 3390-95 As above.
- 3395-3400 As above.
- 3400-05 95% dark gray, very silty, medium grained sand and very sandy siltstone, with rare veins of tan calcite; 5% white, medium grained, hard, limy quartz sand, with black shale specks included.
- 3405-10 90% dark gray material as above; 10% white sand as above.
- 3410-15 As above.
- 3415-20 100% dark gray material as above; trace white sand as above.
- 3420-25 70% dark gray, very silty, medium grained sand; 25% dark gray, very sandy siltstone; 5% white, medium grained, limy, quartz sand, with black shale specks included.
- 3430-35 60% dark gray, very silty, medium grained sandstone; 35% dark gray silty, sandy shale; 5% white sand as last described.
- 3435-35 60% dark gray sand as above; 40% dark gray shale as above. One piece brown medium grained, hard, limy, oil stained sand. Trace free pyrite.
- 3435-3440 80% dark gray sand as above; 20% dark gray shale as above; Few medium grained to coarse grained, clear, frosted quartz grains; trace free pyrite.
- 3440-45 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3445-50 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3450-55 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3455-60 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3460-65 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3465-70 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3470-75 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3475-80 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3480-85 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3485-90 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3490-95 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.
- 3495-00 60% dark gray sand as above; 40% dark gray shale as above; trace light green, sandy shale. Trace free pyrite.

DEPTH

DESCRIPTION

- 3455-60 80% dark gray sand, as above; 10% dark gray shale, as above; 10% white sand, as above.
- 3460-65 80% dark gray sand, as above; 15% dark gray shale, as above; 5% white, medium grained, friable, angular quartz sandstone with disseminated pyrite and shale grains.
- 3465-70 Same proportions and description as above; one piece of the white sand appears oil stained.
- 3470-75 80% dark gray sand as above; 20% dark gray shale, as above.
- 3475-80 80% dark gray sand as above; 20% dark gray shale, as above; trace of white, medium grained sand.
- 3480-85 80% dark gray sand as above; 20% dark gray shale, as above; Trace white, medium grained sand.
- 3485-90 80% dark gray sand as above; 20% dark gray shale, as above; Free pyrite.
- 3490-95 70% dark gray sand as above; 15% dark gray shale as above; 5% tan, finely crystalline, sandy limestone; 5% tan, medium grained, very limy sand; 5% white, medium grained, very hard sand with black shale specks.
- 3495-3500 75% dark gray sand as above; 20% dark gray shale, as above; 5% white sand as last described.
- 3500-3505 45% dark gray, medium grained, very silty, hard sand; 50% dark gray, splintery shale; 5% white, medium grained, angular, lime-cemented, quartz sand with black shale specks inclusions. Trace brown, finely crystalline, sandy limestone.
- 3505-10 100% dark gray, very silty sandstone; trace tan bentonite.
- 3510-15 100% sand as above; trace white, fine grained, black speckled, hard sand.
- 3515-20 100% sand as above; trace tan to brown, medium grained, hard sand.
- 3520-25 95% dark gray, very silty sandstone, as above; 5% light gray, fine grained, slightly silty, hard sand.
- 3525-30 100% silty sand, as above; trace white sand, as above; trace sand as @ 3515-20.
- 3530-35 100% silty sand, as above; trace pinkish, medium grained, friable quartzite with black bars.
- 3535-40 100% dark gray, very silty sandstone.
- 3540-45 100% dark gray, very silty sandstone.
- 3545-50 100% dark gray, sandy shale; trace white, medium grained, black speckled sandstone; trace white bentonite.
- 3550-55 100% dark gray sandy shale and shaley sand; trace white sand, as above.

TOP SANDY 3555 (SANDSTONE)

- 3560-65 80% dark gray sandy shale and shaley sand; 20% white, loose, medium grained, angular, quartz sand.
- 3565-70 60% dark gray sandy shale and shaley sand; 40% white, fine grained to medium grained, bentonitic to clean, easily friable, quartz sand with some coarse grained, angular, quartz grains. Drilled 3 minutes per foot. White, fine grained to medium grained, friable to loose,

3570-72 Continued., quartz sand, with black shale speck inclusions.

DRILL STEM TEST # 2, 3561-3572.

Opened tool with a weak blow through 1/4" hose, increasing to moderately strong in 10 minutes. Maintained moderately strong blow for 30 minutes, then diminished to weak blow at end of 1 hour. Tool open for one hour and then closed 30 minutes for shut-in pressure. Recovered 10' of rotary mud, no evidence of gas cutting or water cutting. Bottom 120' of drill collars filled with flammable gas.

Initial Hydrostatic Pressure	1740
Initial Flowing Pressure	0
Final Flowing Pressure	0
Shut In Pressure (30 Minutes)	305
Final Hydrostatic Pressure	1740

- 3572-75 As last described.
- 3575-80 85% gray, fine grained to medium grained, silty sand; 10% white sand, as above; 5% varicolored chert pebbles.
- 3580-85 85% silty sand, as above; 15% light gray, bentonitic shale; trace white sand, as above.
- 3585-90 40% silty sand, as above; 60% light bluish gray, bentonitic shale.
- 3590-95 50% gray, fine grained to medium grained, silty sand; 20% light bluish gray, bentonitic shale; 30% bright, greenish-blue bentonitic shale; trace brown, fine grained, friable, oil stained sand.
- 3595-3600 60% light gray, bentonitic shale; 40% bright, greenish-blue, bentonitic shale; trace varicolored chert pebbles.
- 3600-05 50% light gray, bentonitic shale; 50% light greenish-blue, bentonitic shale; abundant pyrite.
- 3605-10 50% light gray, bentonitic shale; 50% light greenish-blue, bentonitic shale; abundant pyrite.
- 3610-15 60% light gray, bentonitic shale; 50% light greenish-blue, bentonitic shale; abundant pyrite.
- 3615-20 100% green-gray, bentonitic shale, some sandy; abundant pyrite.
- 3620-25 As above.
- 3625-30 80% green-gray, sandy, bentonitic shale; 20% tan, finely crystalline, sandy limestone; some chert pebbles.
- 3630-35 40% green-gray, sandy, bentonitic shale; 60% tan, finely crystalline, sandy limestone.
- 3635-40 40% green-gray, sandy, bentonitic shale; 55% tan, finely crystalline, sandy limestone; 5% gray, fine grained, hard, limy shale.
- 3645-50 50% green-gray, sandy, bentonitic shale; 40% tan, Very finely crystalline limestone; 10% white to greenish-white, clean to slightly shaley, fine grained to medium grained, hard to friable, quartz sand.
- 3650-55 40% green-gray, sandy, bentonitic shale; 10% tan, very finely crystalline limestone; 50% gray to white, limy,

- 3650-55 Continued., fine grained to medium grained, hard, quartz sand.
- 3655-60 20% green-gray, sandy, bentonitic shale; 20% tan, very finely crystalline limestone, 60% sand, as above.
- 3660-65 30% green-gray, sandy, bentonitic shale; 10% tan, very finely crystalline limestone; 60% sand, as above.
- 3665-70 10% green-gray, sandy, bentonitic shale; trace tan, very finely crystalline limestone; 90% sand, as above; trace pink, sub-angular, large chert pebbles.
- 3670-75 95% white to greenish-white, clean to slightly shaley, fine grained to medium grained, hard to friable sand; 5% green-blue, sandy, bentonitic shale; trace tan, very finely crystalline limestone. Drilled 2 minutes to 5 minutes per foot from 3669 to 3674.
- 3670-75 15 minute circulating sample. 100% white fine grained to medium grained, loose to limy, quartz sand containing abundant coarse grained, sub-rounded to sub-angular, quartz grains; trace varicolored chert pebbles.
- 3670-75 30 minute circulating sample; 85% sand as above; 15% varicolored sub-rounded to sub-angular chert pebbles, up to 1/8" in largest dimension.

DRILL STEM TEST # 3, 3664-3675.

Opened tool with a very weak blow through 1/4" hose. Blow increased slightly and was turned through 2" line after 5 minutes. At end of 1 hour continued to blow very lightly, but would not ignite. Closed tool for 30 minutes for shut-in pressure. At end of 30 minute shut-in period (1-1/2 hours total time), discovered drill pipe was full of gas to the surface. Very slight amount of gas, and no measurement of flow, as tool was closed.

Initial Hydrostatic Pressure	1815
Initial Flowing Pressure	0
Final Flowing Pressure	25
Shut in Pressure (30 minutes)	1070
Final Hydrostatic Pressure	1815

- 3675-80 80% white, fine grained to medium grained, friable to loose, sub-angular, quartz sand; 20% varicolored chert pebbles.
- 3680-85 90% white sand as above with occasional orange chert pebbles; 10% chert, as above.
- 3685-90 100% white sand as above with speck of black shale (?); trace chert, as above.
- 3690-95 40% white sand as above; 30% dark green siltstone; 10%

DRILL STEM TEST # 4, 3655-3694

Opened tool with a weak blow through 1/4" hose, increasing immediately to a moderately strong blow. Turned gas through 2" line and had combustible gas to surface in 26 minutes. Very slight gas flow, with slight heading, and continual gradual decrease. At end of 2 hours flame would not burn continuously. At end of 2 hours, closed tool for 30 minutes for shut-in pressure. Recovered 150' of mud, 225' of muddy water, and 1325' of slightly salty water.

Initial Hydrostatic Pressure	1815
Initial Flowing Pressure	0
Final Flowing Pressure	765
Shut In Pressure (30 Minutes)	1170
Final Hydrostatic Pressure	1815.

Well plugged and abandoned at total depth of 3694'.

Samples examined by:
Rush Bailey,
Mohawk Petroleum Co.

State of Utah
OIL & GAS CONSERVATION COMMISSION
Room 140, State Capitol Building
Salt Lake City 14, Utah

December 9, 1957

Oil Securities & Uranium Company
504 Walker Bank Building
Salt Lake City, Utah

Re: REQUEST FOR "REPORT OF
OPERATIONS & WELL STATUS REPORT"

Dear Sir:

Your attention is directed to Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, which was adopted by the Commission on July 9, 1957.

Said rule provides for the submitting of a report of operations and well status report to the Oil and Gas Conservation Commission.

Your compliance with said rule is hereby requested.

We are enclosing some copies of Form OGCC-4, "Report of Operations and Well Status Report", for completion and return. For your convenience, Rule C-22, has been printed on the back of said form.

Federal Form 9-329, Lessee's Monthly Report of Operations may be used in lieu of Form OGCC-4.

Please note that if two legible copies, carbon or otherwise, of the report filed monthly with the United States Geological Survey on Form 9-329, are also filed each month with this Commission, it will be deemed compliance with Rule C-22, Paragraphs 1, 2, 3, and 4.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

Cleon B. Feicht
CLEON B. FEICHT
SECRETARY

CBF:cn