

FILE NOTATIONS

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

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

Handwritten notes:
 1000
 worked over - comp. 8-25-58
 8-25-58

COMPLETION DATA:

Date Well Completed 8-25-58 Location Inspected _____
 OW _____ WW _____ TA _____ Bond released _____
 GW ✓ OS _____ PA 8-1869 State of Fee Land _____

LOGS FILED

Driller's Log None
 Electric Logs (No.) None

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____
 Lat _____ Mi-I _____ Scale _____ One Part per 1000

Sub. Rpt. of Aband.

CDW 4-23-90



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

Land Office U-01285
Lease No. Mary D. Kearns



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	

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

June 30, 1953

Well No. 2 is located 990 ft. from NE line and 330 ft. from E line of sec. 27
SE SE Sec. 27 16S 6E
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian) (Field) (County or Subdivision) (State or Territory)
Flat Canyon Emery Utah

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)

We propose to drill well to an approximate total depth of 6,300' and complete in the Dakota Sand section for commercial gas production unless commercial gas production is found in the Ferron or Emery sections.

Drilling Program: Drill to 3,000' with cable tools.
 3,000' - 6,300' with either cable tools or rotary.

Casing Program: 16" - 60' for conductor pipe.

Cemented to surface 13-3/8" - 48#, H-40, Sals - Amount to be run will be determined by water flow. Sufficient amount will be run to case off water.
Cemented up into 10-3/4" - 32.75#, H-40, Sals - " - not below 1260'
 " adequately - 6,300' - 7" CD, 23#, Y-55, Cond (a) to 500' + 450' 29" NPS

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

Company Three States Natural Gas Co.
 Address P. O. Box 160, Scofield, Utah

(APPROVAL IS CONDITIONAL UPON COMPLIANCE WITH THE TERMS ATTACHED HERETO)

By John Hayes
 Title District Clerk

THREE STATES NATURAL GAS CO.

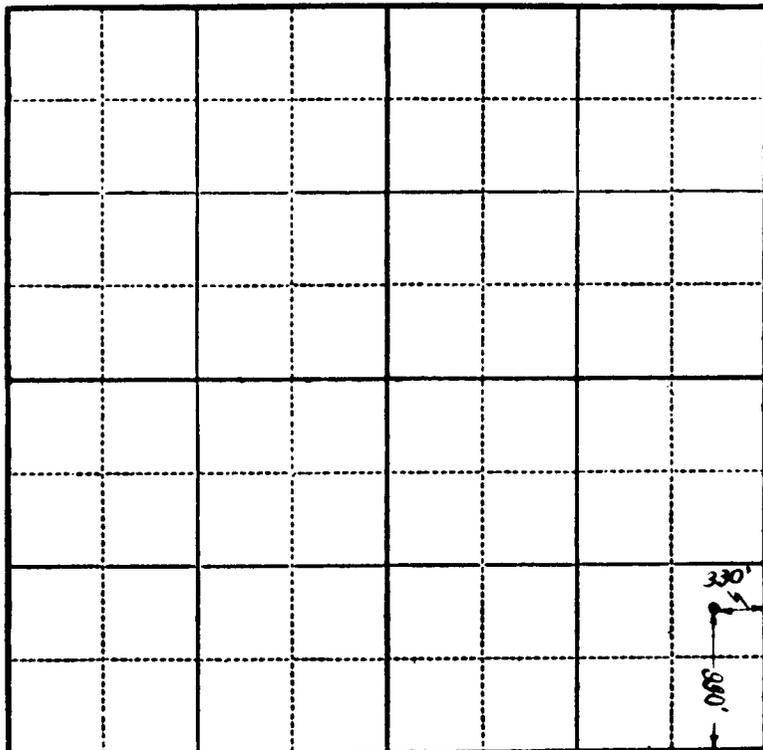


Lease **No. 2** Well No. **2**

Sec. **27**, T **26 S**, R **6 E**

Location **200' N of north line, 100' E of east line**

Elevation **5000**



Scale—4 inches equal 1 mile.

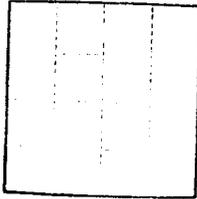
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

[Handwritten Signature]

Seal: Registered Professional Engineer and Land Surveyor.

Surveyed **June 22**, 19 **53**

ORIGINAL FORWARDED TO CASPER



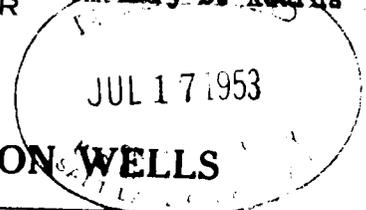
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Lease No.

Unit **Mary D. Kearns**



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	

Weekly Report Ending 7/15/53

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

July 15

19 53

Well No. **2** is located **990** ft. from ~~NSX~~ **S** line and **330** ft. from ~~NSX~~ **E** line of sec. **27**

SE **Sec. 27**
(1/4 Sec. and Sec. No.)

16S
(Twp.)

6E
(Range)

(Meridian)

Clear Creek
(Field)

Emery
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is **8967** 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)

Spudded **7-14-53**

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

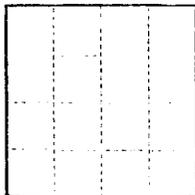
Company **Three States Natural Gas Co.**

Address **P. O. Box 160**

Scotfield, Utah

By *Harold A. ...*

Title **Drilling Superintendent**



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 01206
Unit Mary D. Leases
Flat Canyon



ORIGINAL FORWARDED 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
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

Subsequent of Running Casing

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

November 15, 1953

Well No. 2 is located 990 ft. from S line and 330 ft. from E line of sec. 27

SE Sec. 27 16S 6E Salt Lake Base
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Utah Flat Canyon Emery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 4215'

Ran - 1998.12' 8-5/8" OD, 8rd. thd., Grade J-55, 32.00#, R-2, API Sals
Casing
2200.61 8-5/8" OD, 8rd. thd., Grade J-55, 24.00#, R-2, API Sals
Casing
1198.73'

Casing set at 4212.53', cemented with 125 Sacks of Reg Cement, 50 Sacks of Aquagel ahead of Cement.
Plug on Bottom at 3:00 A.M.

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

Company Three States Natural Gas Company
P. O. Box 160
Address Scotfield, Utah

Approved NOV 24 1953

By Harold Hawkins

(Orig. Sgd. by) [Signature]
District Engineer

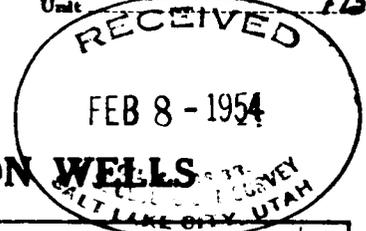
Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 0 1786
Unit Henry D. Bowers Flat Canyon



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

(July 15, 1953)
Subsequent Report of Running Casing X

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

February 4, 1954

Well No. 2 is located 990 ft. from S line and 330 ft. from E line of sec. 27
25 Sec. 27 16-S 6-S Salt Lake Base
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Henry Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 72'

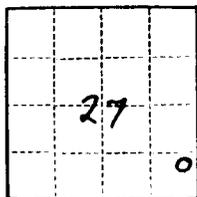
**Run 68.50' - 16" OD Casing, set at surface with 126 sacks of cement
Job completed at 5:00 P.M.**

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

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

Approved FEB 8 - 1954
(Orig. Sgd.) H. C. Scoville
District Engineer

By Harold Hawkins
Title District Superintendent

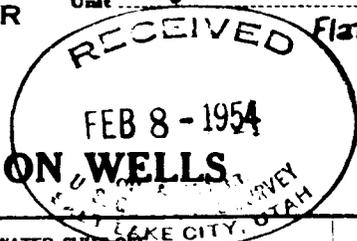


(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

Land Office Utah
Lease No. 0 1206
Unit Henry D. Higgins



Flat Canyon

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	(July 26, 1953) Subsequent Report of Running Casing <input checked="" type="checkbox"/>

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

February 4, 1954

Well No. 2 is located 970 ft. from S line and 330 ft. from E line of sec. 27
SE Sec. 27 16-S 6-E Salt Lake Base
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Emery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8967' ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 299'

Ran 261.07' at 13 1/8" @ 8-lb. Tht. 48.00% Grade N-40 Range 1
API Seamless Casing.

Cemented with approximately 225 sacks reg. cement.

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

Company Three States Natural Gas Company
Address P.O. Box 730
Price, Utah

Approved FEB 8 - 1954

(Orig. Sgd.) H. C. Cooville

District Engineer

By Harold Hawkins

Title District Superintendent

(SUBMIT IN TRIPLICATE)

Land Office Utah
Lease No. 01286
Unit Mary D. Kearns

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

Weekly Report Ending 4-18-54 XX

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

April 20, 1954

Well No. 2 is located 990 ft. from XX line and 330 ft. from E line of sec. 27
SE Sec. 27 16-S 6-E Salt Lake Base
(4 Sec. 27, Twp. 36N, R. 10E) (Twp.) (Range) (Meridian)
Flat Canyon Emery Utah
(Twp.) (County or Subdivision) (State or Territory)

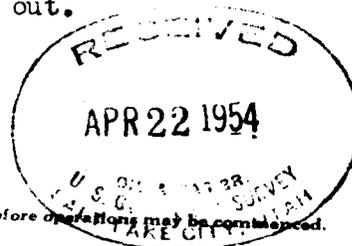
The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 5902'

- 4-13-54 - TD: 5891' - Drilling in sandy shale. 7" casing - 5885'
- 4-17-54 - TD: 5902' - Top Ferron @ 5899' under reaming casing.
- 4-18-54 - 7" casing @ 5887', cleaning out.



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

Company - Three States Natural Gas Company

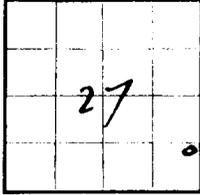
Address P.O. Box 730

Price, Utah

By Harold Hawkins

Title District Superintendent

POOR COPY



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Price
LEASE NO. 1024
UNIT Flat Canyon

ORIGINAL FORWARDED 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.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....		Subsequent Report of Running and Cementing Casing.....	X

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

April 26, 1954

Well No. 2 is located 990 ft. from SE line and 130 ft. from W line of sec. 27
SE Sec. 27 16-8 6-8 Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 5902'

February 22, 1954 - Started running 7" O.D. casing; continued running casing as hole deepened.

April 21, 1954 - Completing 7" O.D. casing to a total depth of 5902'. Ran 5902.75' @ 1 1/2 joints of 7" O.D. 23.00#, 2-65, R-2 and R-3 casing. Casing set @ 5902'.

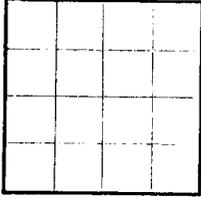
Cemented with 225 Bags Portland Cement. Job completed @ 10:40 A. M.

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

Company Three States Natural Gas Company
P. O. Box 730
 Address Price, Utah

APPROVED 4-28-54
H. S. Seale
 District Engineer

By Harold Hawkins
 Title District Superintendent

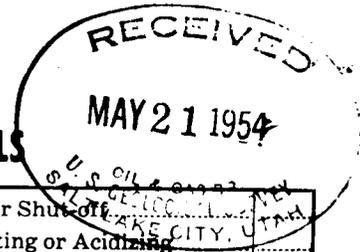


(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BUDGET BUREAU 42-2356.2
APPROVAL EXPIRES 12-31-55.

LAND OFFICE Utah
LEASE NO. 01286
UNIT Mary D. Kearns



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.....			
		Weekly Report Ending 5-16-54	XX

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

..... May 19,, 19 54.

Well No. 2 is located 990 ft. from ~~XXX~~ S line and 330 ft. from ~~XXX~~ E line of sec. 27.
SE Sec. 27 16-S 6-E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 6006'

- 5-11-54 - TD: 5988 - drilling hard sand
- 5-13-54 - TD: 6000' drilling sand, well gauged 1,590 M.C.F.
- 5-15-54 - TD: 6006' drilling sand, well gauged 1,630 M.C.F.

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

Company: Three States Natural Gas Company

Address: P.O. Box 730

Price, Utah

By [Signature]
Title: Assistant District Supt.

CHEMICAL & GEOLOGICAL LABORATORIES

521 South Center St. P. O. Box 279
 Casper, Wyoming



WATER ANALYSIS REPORT

U-01286

Field Flat Canyon, Utah

Well No. M. D. Kearns No. 2

Operator Three States Natural Gas Company Location NE SE SE 27-16S-6E

Sampled by _____ Date _____

Formation Ferron Depths 6308-6310 How sampled _____

Other pertinent data Cloudy water

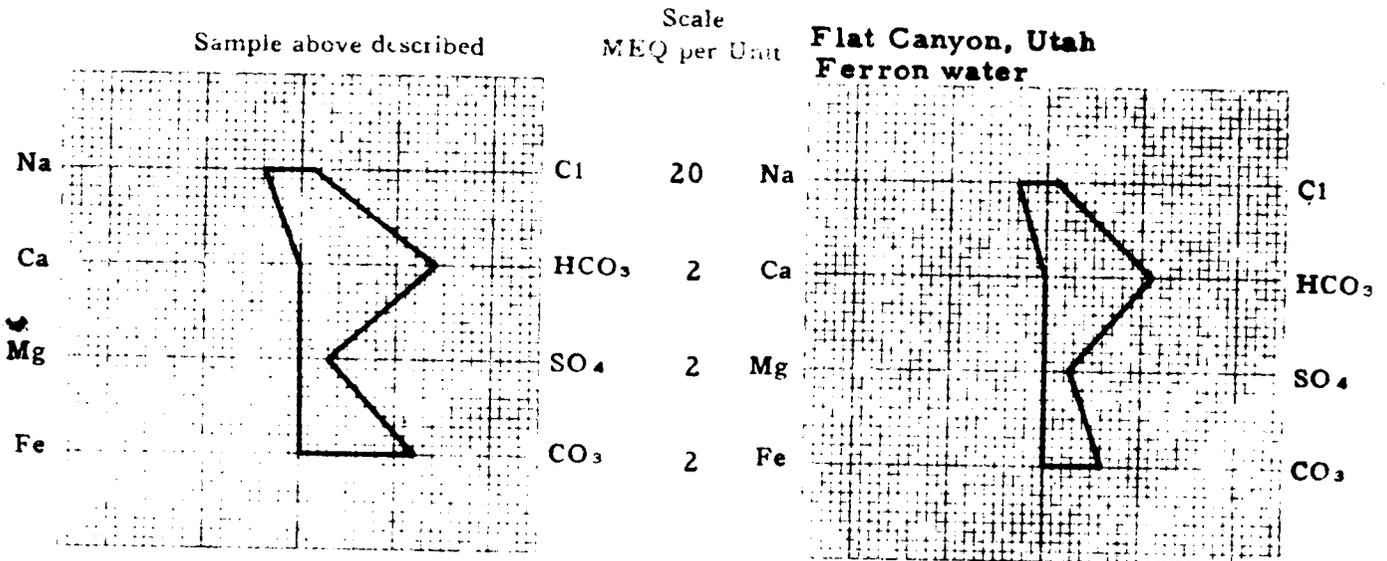
Analyzed by GW Date June 28, 1954 Lab. No. 8426

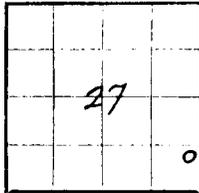
CONSTITUENTS	PPM	MEQ.	MEQ.%	TOTAL SOLIDS IN PARTS PER MILLION.	
Sodium	1,814	78.92	50.00	By evaporation	5,175
Calcium	trace			After ignition	4,895
Magnesium	--	--	--	Calculated	4,406
Sulfate	290	6.03	3.83	PROPERTIES OF REACTION IN PERCENT	
Chloride	740	20.87	13.22	Primary salinity	34.10
Carbonate	720	23.98	15.19	Secondary salinity	0.00
Bicarbonate	1,710	28.04	17.76	Primary alkalinity	65.90
Hydroxide	--	--	--	Secondary alkalinity	0.00
Observed pH	9.4	Resistivity @ 68 F. Gims meter	1.90	Chloride salinity	77.54
				Sulfate salinity	22.46

Remarks Very organic. Believe this to be a contaminated Ferron water.

Note: PPM - Milligrams per liter (1 PPM is equivalent to 0.0001% by weight). MEQ - Milliequivalents per liter. MEQ% - Milli equivalents per liter in percent.

WATER ANALYSIS PATTERN



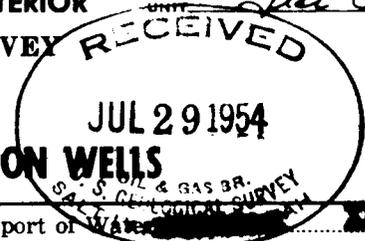


(SUBMIT IN TRIPLICATE)

LAND OFF ~~2286~~

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

~~May 2, 1955~~
UNIT Flat Canyon



ORIGINAL FORWARDED TO CASPER
SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water.....	
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 OF OTHER DATA)

Well No. **2** is located **990** ft. from **N** line and **330** ft. from **W** line of sec. **27**
SE Sec. **27** **166** Salt Lake Base
 (1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN) Utah
Flat Canyon **Emery** **Utah**
 (FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is **8967** ft. **Ground**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

ID: **6379**

Gravel from 5908' to 5912', Calseal from 5869' to 5912'.
 Shot well from 5912' to 5916' with 136 lbs. of Nitro Glycerine.
 No results from the shot.
 Drilling calseal at 5869'

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

Company **Three States Natural Gas Company**
P. O. Box 730 Price, Utah

Address.....
 Approved **J. G. S. H.**
H. S. H.
 District Engineer
 By **Harold Hawkins**
 District Superintendent
 Title

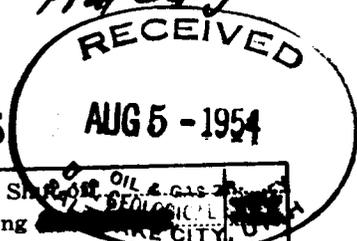
FORM 9-231-A
(FEB. 1951)

	27		
			0

(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 2226
UNIT Flat Canyon

ORIGINAL FORWARDED 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.....	
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)

August 3, 1954

Well No. 2 is located 990 ft. from S line and 130 ft. from E line of sec. 27
SE Sec. 27 16S 6E Salt Lake Base
 (1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
 (FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

ID: 6379

July 31, 1954 - Shot well with 1000 Qts. of Nitro from 5965' to 6223', after shoot, well partially cleaned itself. Preparing to nipple up and test well. Cleaning out after shot at 6072', testing well.

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

Company Three States Natural Gas Company
 Address P. O. Box 730
Price, Utah

Approved 8-5-54
[Signature]

By [Signature]
 Title District Superintendent

GAS ANALYSIS

Condition of sample..... Laboratory No **58-6 2**

Analysis by **K. P. Moore** at **Casper, Wyoming** Date **9/28/55**

ORSAT ANALYSIS

	<u>Percent</u>
Carbon dioxide.....	_____
Oxygen.....	_____
Methane.....	_____
Ethane and higher.....	_____
Nitrogen (by difference).....	_____

Average "n" by Orsat..... _____

Specific Gravity (calculated)..... _____

Specific Gravity (observed)..... _____

Calculated Gross B.t.u. per cu. ft. at 60° F. and 15.025 lbs. per sq. in. pressure..... _____

HYDROGEN SULPHIDE
(by Tutwiler Method)

Grains of hydrogen sulphide per 100 cu. ft. of gas at 60° F. and 15.025 lbs. per sq. in..... _____

Percentage of hydrogen sulphide at 60° F. and 15.025 lbs. per sq. in..... _____

HEATING VALUE
(by Sargent Gas Calorimeter)

B.t.u. per cu. ft. at 60° F. and 15.025 lbs. per sq. in. pressure as determined by Sargent gas calorimeter:

Gross..... _____

Net..... _____

FRACTIONATION RECORD

	<u>Percent</u>
Oxygen.....	0
Nitrogen.....	0
Carbon dioxide.....	0

Methane.....	89.04
Ethane.....	5.28
Propane.....	3.44
Isobutane.....	0.83
N-butane.....	0.96
Isopentane.....	0.24
N-pentane.....	0.08
Hexanes plus.....	0.13

Average "n" by Pod..... **1.268**

Gross B.t.u. by Pod..... **1184**

Specific Gravity by Pod..... **0.649**

Specific Gravity by Weight..... **0.621**

G. P. M.

Actual pentanes +..... **0.1803**

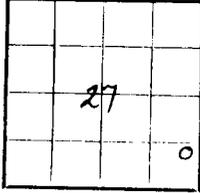
Calculated at 12 lbs..... _____

Calculated at 15 lbs..... **0.1840**

Calculated at 22 lbs..... **0.2146**

Calculated at 26 lbs..... **0.2372**

Remarks and conclusions:



(SUBMIT IN TRIPLICATE)

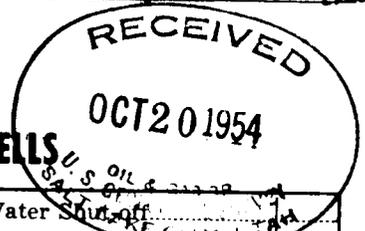
UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

LAND OFFICE Utah

LEASE NO. 0266

UNIT Henry By Shoshone Flat Canyon



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 RE-DRILL WELL			

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

October 10, 1954

Well No. 2 is located 990 ft. from S line and 330 ft. from E line of sec. 27

8E Sec 27 16S 6 Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Henry Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8267 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

ED: 6379

We propose to clean out well and Sand Free, to improve production.
This work will be done with a case service rig.
To sand structure we propose to use the followings
20,000 Gal. Petroleum Gel
1,000 Gal. Film Floc
50,000 lbs. Sand
900 bbls. Diesel Oil
150 bbls. Kerosene

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

Company Three States Natural Gas Company
P. O. Box 730
Address Alto, Utah

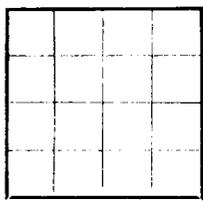
Approved OCT 27 1954
(1012-113) U. S. Geol. Surv.
District Engineer

By C. S. Gibson
Title District Superintendent

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF INTERIOR GEOLOGICAL SURVEY

LAND OFFICE Price LEASE NO. 91286 UNIT Flat Canyon Emery Co. Utah



ORIGINAL FORWARDED TO CASPER

SUNDRY NOTICES AND REPORTS ON WELLS



Table with 2 columns: Notice of Intention to Drill, Change Plans, Test Water Shut-off, Re-Drill or Repair Well, Shoot or Acidize, Pull or Alter Casing, Abandon Well; and Subsequent Report of Water Shut-off, Shooting or Acidize, Altering Casing, Re-Drilling or Repair, Abandonment, Supplementary Well History, Subsequent Report of Sand-Free-

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

October 26, 1954

Well No. 2 is located 990 ft. from S line and 130 ft. from E line of sec. 27

SE Sec. 27 16S 6E Salt Lake Base (1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)

Flat Canyon Emery Utah (FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

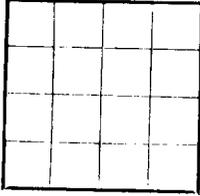
- ED: 6379: 10-18-54: Top of Cement plug at 6112' with 43' of Gravel. 10-19-54: Finished filling hole with rocks and gravel to 6088', tamping hole with lead-wool. 10-20-54: Cleaned out to 6047', preparing to run tubing to start Sand-Free job. 10-21-54: Finished running tubing, having trouble in making production pointer hold. 10-23-54: Fracture Treatment: First Stage: ran 40 bbls. of Gel with no Sand. 3000# pressure, followed w/7000 Gallons of Diesel oil with 1# of Sand per Gallon, pressure increased to 5000#, broke down at 4100#, followed with 1500 gallons with 2# of sand per gallon, pressure 4400#. Flushed with 50 bbls. of diesel oil, final pressure 0.

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

Company: TIRELL'S TATES NATURAL GAS COMPANY P. O. BOX 730 Address: PRICE, UTAH

Approved OCT 29 1954 (Orig. Sgd.) M. G. Scoville District Engineer

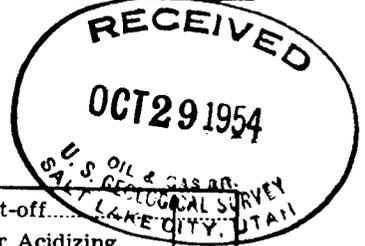
By: [Signature] Title: District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 68286
UNIT Mary D. Kearns



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.....		Subsequent Report of Sand-Fines - <u>XXX</u>	

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

October 26, 1954

Well No. 2 is located 20 ft. from S line and 330 ft. from E line of sec. 27
SE Sec. 27 16S 6E Salt Lake Base
 (1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
 (FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8900 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

ID: 6379

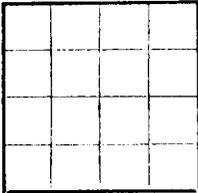
10-23-54 Fracture Treatment Second Stage: ran 10,000 Gallons of diesel oil with 2-1/2" of sand per gallon, ran 5000 gallons of plugging agent with 90 bbls. of diesel oil, pressure 1000#, followed with 5000 gallons with 2-1/2" sand per gallon, pressure 5000#, broke at 4900#. Last 5000 gallons increased to 3-1/2" sand per gallon, attempted to pump 500 gallons plugging agent, pressure to great, continued pumping 3-1/2" gal., pressure 5000#, flushed with 100 bbls. diesel oil, final pressure 0.

10-24-54 Well blew all night, jamming through tubing, getting diesel oil, sand, and Gel out of hole. Preparing to pull packer loose and run 7" casing.

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

Company Three States Natural Gas Company
P. O. Box 730
 Address Price, Utah

By C. S. Gibson
 Title District Superintendent



(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 6226
UNIT Mary D. Kearns

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.....	Weekly report ending Nov. 7, 1954 <u>Test</u> <u>XXX</u>

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

November 15, 1954

Well No. 2 is located 990 ft. from XXX line and 330 ft. from E line of sec. 27

SW Sec. 27 16S 6E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

TD: 6379'

- 11-1-54 Well shut in allnight, blowing well through the tubing.
- 11-2-54 Ran Halliburton line to check and see if well is clean to bottom.
- 11-3-54 Blowing tubing, open one hour and tested well, test showed approximately 928,000 G.P.
- 11-7-54 Well shut in 9:00 PM 11-5-54, buildup to 6:00 AM 11-6-54, 500# Pressure 11-5-54 Gauge shows 883,000 G.P.
- 11-8-54 Well Shut In.

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

Company Three State Natural Gas Company
P. O. Box 730
Address Price, Utah

By C. S. Gibson
Title District Superintendent

FORM 9-331-A
(FEB. 1951)

BUDGET BUREAU 42-R258.3.
APPROVAL EXPIRES 12-31-55.



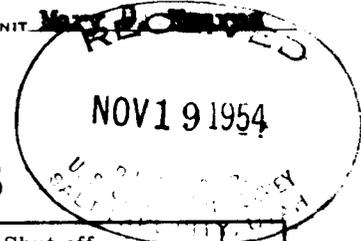
(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah

LEASE NO. 01286

UNIT Mary D. Campbell



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.....	Subsequent Report of Sand-Frac XXX

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

October 26, 1954

Well No. 2 is located 990 ft. from S line and 330 ft. from E line of sec. 27

SE Sec. 27 16^S GE Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)

Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8967 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

TD: 6379'

Pumped in 500 gals. frac followed with 1680 gals. diesel oil followed with 5000 gals with 2¹/₂# sand per gal., next 5000 gals with 3¹/₂# sand per gal. Maximum pressure 5000#, maximum pumping rate 135 gals. per minute, flushed with 4200 gals. diesel oil. Pressure 0#, Shut in for gel to break 1 1/2 hours.

Started swabbing well 6:00 A.M. October 23. Swabbed to 3000'. Well started unloading diesel oil, has flowed out 220 barrels load oil and frac oil. Will pull tubing and swab through 7" Casing.

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

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By C. S. Gibson
Title District Superintendent

Continued History of Oil and Gas Well - Henry H. Korman #2
 Sec. 27, T-16N, R-4E, Henry County, Ohio, First Casing Field.

- 11-10-53 TD: 4715', Cemented with 250 sacks of cement, Plug at 4730', Completed Cement Job at 9:00 A.M., Bailing at 690', W. O. C.
 11-11-53 Bailing Water and Drilling Cement, set 30' of cement in casing.
 11-12-53 Bailing and Drilling Cement.
 11-13-53 TD: 4750', Drilling Shale.
 11-14-53 TD: 4785', Drilling Shale, Hole Caving.
 11-15-53 TD: 5040', Drilling Shale, Hole Caving.
 11-16-53 TD: 5055', Cleaning out shaleavings at 5000'.
 11-17-53 TD: Dumped 42 Sacks of Cement on top of Savings, Checked top of Cement at 4950'.
 11-18-53 Dumped 78 Sacks of cement, a total of 120 sacks of cement fill up from 4982', to 4950', 127' fill up. W. O. C.
 12-11-53 TD: 5055', Drilling cement at 4950' -to- 4970', Cleaning out at 4987'.
 12-12-53 TD: 5100', Drilling Shale, Hole caving, cleaning out at 5000'.
 12-13-53 TD: 5100', Cleaning out at 5110, Dumped cement, 40 sacks of regular cement, W.O.C.
 12-14-53 TD: Started Drilling Cement at 5035' -to- 5075', dumped 24 sacks of cement in hole.
 12-15-53 Cementing Savings at 5075', Cemented with 66 sacks of cement, Drilling Cement, top of cement at 4994'.
 12-16-53 Drilling and cleaning out shale at 5380'.
 12-17-53 TD: 5380', Drill Stem.
 12-18-53 TD: 5405', Shale. Completed dumping 49 sacks of cement mixed with 100% of Calcium Chloride, Top of Cement at 5403'. Bailor stuck, broke drilling line., 500' above bailer.
 1-10-54 TD: 5405', Fishing for bailer cleaning out at 5380', cleaned out to top of bailer, fished out bailer and drilling cement at 5330' -to- 5465' TD.
 1-15-54 TD: 5380', Shale. Dumping Cement, dumped 50 sacks of cement with 100% of Calcium Chloride from 5515' -to- 5520'.
 1-16-54 Cleaning out at 5520'.
 1-17-54 TD: 5520', Dumped cement, 28 sacks and 56% of Calcium Chloride. Top of cement at 5477', bottom at 5525'.
 1-18-54 TD: 5520', Drilled through cement and made 5' of shale.
 1-19-54 TD: 5520', Dumping Cement, dumped 46 sacks, plus 96% of Calcium Chloride, from 5579' -to- 5540'. W.O.C., Drilling Cement.
 1-20-54 TD: 5600', Drilling Shale. Hole caving and started to dump cement. Cemented from 5580' -to- 5580' with 140 sacks of cement plus 200% of Calcium Chloride. W.O.C.
 2-1-54 TD: 5600', Hole started off, filled hole back to 5579' with rock and gravel, drilling ahead on gravel and rock.
 2-3-54 Drilling out Rock and Gravel to 5590', Hole Caving Some at 5575'.
 2-5-54 TD: 5690', Drilling Shale Savings at 5640'. Run Tubs at 5655', 2-1/2" off.
 2-10-54 TD: 5715', Shale. Hole Caving, Dumped 25 sacks of cement, plus 50% of Calcium Chloride, from 5710' -to- 5680'.
 2-11-54 Drilling Cement at 5700'.
 2-16-54 Cleaned hole out to 5705', Hole caving, Plugged back from 5707' -to- 5667', with 71 sacks of cement.
 2-17-54 TD: 5715', Cleaned out 5705', Started dumping Aquagel mud, dumped 11 bbls.
 2-19-54 TD: 5715', Bailing and Cleaning at 5700'. Started to drill shale at 5715'.
 2-21-54 TD: 5730', Hole bridged at 5686', Cleaning out, preparing to run 7" OD Casing.
 2-22-54 TD: 5730', Ran 105 Joints of 7" OD, Casing.
 2-23-54 Running casing. 153 joints of 7" OD, Casing in the hole. Expect to carry 7" to a deeper depth. will cement later.
 2-26-54 TD: 5730', Under digging 7" OD, Casing and Cleaning out.
 2-27-54 TD: 5730', Loaded hole with 12 sacks of Aquagel mud, lowered casing to 5732.58'.
 2-28-54 TD: 5740', Lowered pipe to 5739.58', Cleaned hole to 5740' TD, Running Radiation Log (Gamma Ray and Neutron).
 2-29-54 TD: 5745', Lowered casing to 5741.58'.
 2-30-54 TD: 5745', lowered 7" casing to 5761', Cleaning out at 5771'.
 3-1-54 TD: 5767', lowered 7" casing to 5781. Cleaning out at 5785'.
 3-2-54 TD: 5815', 7" OD, Casing at 5808.95', Drilling Ahead.
 3-3-54 TD: 5822', Drilling and Cleaning out at 5860', in Shale and Sand. 7" OD Casing at 5866.32'.
 3-14-54 TD: 5902', Drilling and Cleaning out. 7" OD, Casing at 5893.61'.
 3-17-54 TD: 5902', Drilling and Cleaning out at 5895'. Top of Ferron at 5899'.
 3-20-54 TD: 5902', Preparing to cement 7" OD Casing at 5902'.
 3-21-54 TD: 5902', Completed 7" OD, Casing to the total depth of 5902', Ran 5901.75' - 164 joints of 7" OD, 23.00', 3rd. thd., Grade J-55, R-3 and R-2 Casing. Casing set at 5902', Cemented with 225 sacks of Portland Cement. Ran 145 joints of tubing to cement 7" OD, Casing, Baker cement retainer set at 5811'. Put 8 sacks of Aquagel mud ahead of Casing. Plugged down at 10:40 P.M. W.O.C.
 3-22-54 TD: 5902', Ran Schlumberger Temperature Survey. Top of Cement at 5690'. Baker Cement retainer at 5811'. W.O.C.
 3-24-54 Testing 7" casing and snubbing with 7" snub cups at 4200'.
 3-25-54 TD: 5902', Snubbed water down to 4900', drilling on Baker cement retainer, at 5830'.
 3-29-54 Drilling Cement retainer and Cement at 5885' -to- 5892', installing Blow Out Preventor.
 3-30-54 TD: 5910', Gas Show, not enough to gauge.

Continued History of Oil and Gas Well - Mary D. Kearns #2

8-8-54 Well Completed at the total depth of 6379'. Baker Formation plug at 6311', 4" Dap Bailer and wire line cemented in hole at 6225'. Well shut in.

Well shut in from 8-3-54 to an inclusive of October 6th, 1954.

10-6-54 Propose to clean out hole and Sand-Frac formation to improve production.

10-6-54 Started Rigging up service rig to Sand-Frac.

Strung in with the bailer and found top of savings at 6164'. Cleaned out to 6223'. Hole stood 12 hours. Ran Schlumberger neutron log, hit bridge at 6142'. Cleaned out to 6190'. Ran tubing, cemented with 130 sacks of Cement. Displaced with 3/4 barrels of water. Shut down 2 1/2 hours, waiting on Cement. Shut in with bailer, found cement at 2000' not set. Bailed cement and savings to 6165'. Plugged back with rock to 6048'. Cased with 500# lead wool 6047'. Hole tested dry. Ran tubing with Halliburton HI tool with 30' tail pipe on bottom. Set packer at 5700'. Shut down overnight in order to sand frac in daylight. Sand Frac job as follows:

Ran 2 1/2" tubing, packer set at 5700' with 30' tailpipe; loaded annulus 178 bbls. diesel oil. Pumped in 1680 gallons of gal, no sand, pressure 3000#. Followed 6500 Gallons gal with 1/4 sand per gal., then 1500 gals with 2# per gal flushed with 2100 gallons diesel oil. Maximum pressure during treatment 3000#, broke to 4500#. Injection rate 135 gals per minute. (First Stage.)

Pumped in 500 gallons frac followed with 1680 gallons diesel oil followed with 5000 gals with 2 1/2# sand per gal., next 5000 gallons with 3 1/2# sand per gal. Maximum pressure 5000#, maximum pumping rate 135 gals per minute, flushed with 4200 gals diesel oil. Pressure 6#. Shut in for gal to break 1 1/2 hours.

Started swabbing well 6:00 A. M. October 23. Swabbed to 3000'. Well started unloading diesel oil, has flowed out 220 bbls load oil and frac oil. Attempting to pull tubing and pull HI Tool, Halliburton HI Tool stuck, swabbing tubing, pressure on indicator 120,000 lbs., attempting to pull packer. Halliburton pumping formation attempting to release packer, with not luck in releasing packer (HI tool) Swabbed tubing dry setting up Kras True and shut well in. (leaving packer in hole) Halliburton Bob shows TI: 6047'. Sand-Frac job completed.

11-7-54 Well shut in 9:00 PM 11-5-54, build up to 6:00 AM 11-6-54, 500# Pressure 11-5-54 Gauge shows 833,000 CF.

11-8-54 Well Shut in.

Continued History of Oil and Gas Well - Mary D. Kearns #2

- 5-25-54 TD: 5925', Drilling in Sand.
 5-26-54 TD: 5930', Drilling Sand.
 5-27-54 TD: 5935', Running Baker Packer and 2-1/2" Tubing to Sand Oil. Packer set at 5895', broke formation at 800#, filled tubing with 59 bbls diesel, 270 bbls of diesel and 1000# sand went in on vacuum, mixed 750# moth balls and 200# nopsin with 7 bbls of diesel displaced with 30 bbls diesel. #2 broke formation at 700#, used 20 bbls with 70# of sand, went in on pressure. Displaced with 44 bbls of diesel. Job completed at 4:15 P.M. 5-28-54. Started running wash.
 5-29-54 TD: 5952', Well gauged 9" water through 3" line. Started pulling tubing.
 5-30-54 Started cleaning out Sand at 5920 -to- 5952', drilling ahead.
 5-31-54 TD: 5988', Drilling broken-sand, Gas increase a little at 5980' to 5988', after 25 minutes shut-in pressure, well gauged 7" water. -(1,126 MCF, approximately)
 6-1-54 TD: 5992', Drilling Hard Sharp Sand. Increase in gas from 5988' to 5992', 19" of water through 3" line.
 6-2-54 TD: 6004', Drilling Hard Sand. Well gauged 27" water through 3" line.
 6-3-54 TD: 6057', Drilling Broken Sand.
 6-4-54 TD: 6080', Sand. Drilling line broke at 6000', String up fishing tools. Fished out fish. Waiting on new drilling line.
 6-5-54 TD: 6124', Drilling in Sand. slight increase in gas at 6125', Gauge 25" of water through 3" line.
 6-6-54 TD: 6131', Drilling in Sand. Gas Gauged 15" water through 3" line. Hole Caving.
 6-7-54 TD: 6224', Drilling in Sand. Gas Gauged 14" water through 3" line.
 6-8-54 TD: 6263', Sandy Shale. Cavings stuck bailer at 6240', Broke Sand Line.
 6-9-54 TD: 6263', Fished out 18' of 5/8" Sand Line. Fishing and cleaning out at 6190'.
 6-10-54 TD: 6263', Cleaning out and fishing at 6210'.
 6-11-54 Fished bailer out, Cleaned out cavings and drilling ahead at 6268'.
 6-12-54 TD: 6310', Sand, Hole making water 6308' -to- 6310', bailing water.
 6-13-54 TD: 6320', Drilling ahead in Hard Sand, cleaning out and bailing water.
 6-14-54 water test 6-1/2 gals. per hour, bailing.
 6-15-54 TD: 6379', Running Lane Wells Gamma Ray and Neutron Radioactivity Log. 6379' is the total depth of hole.
 6-16-54 TD: 6379', run dump bailer, cavings stuck bailer, broke sand line. fishing for dump bailer and sand line. fished sand line out, bailer covered up with shale cavings at 6255'. Halliburton pumped in 15 bbls of quagel sand. ~~XXXXXXXXXXXXXXXXXXXX~~
 6-17-54 Lane Wells set Baker formation packer at 5967', dumped 6 sacks of cement with 8# of Calcium Chloride. Top of Cement at 5936'. Preparing to Sand Frac formation. Pumped 48 bbls. diesel oil in dry casing. Pumped in 8000 Gallons Mixed Sand Frac with 12,000# Sand. Pumped in 2 1/2 bbls of Flare-a-frac. Pressured 2000# but would not take sand oil, approximately 28 bbls. in formation.
 6-18-54 Washed Sand out of Casing with tubing to 5943'. Reverse circulation in tubing to 5903', Checked top of Sand back to 5872', Pumped in 2000 gallons diesel oil, no pressure. Sand back to 5870', Started pulling tubing.
 6-19-54 TD: 6379': Sand Pumped hole to 5972', Scrubbed to bottom of 7" CD, Casing. Started Bailing Diesel Oil at 5957'.
 6-20-54 Pumping Sand and Scrubbing Hole.
 6-21-54 Loaded hole with water getting ready to shoot, waiting on shooter and Halliburton CalSeal truck.
 6-22-54 Run Shot another 5946' -to- 5959', Shot with 136 qts. of Nitro. After shot drilling calseal at 5869' -to- 5876'.
 6-23-54 Drilling CalSeal plug at 5887'.
 6-24-54 Finished drilling CalSeal plug, Drilling Gravel and Bridge at 5912'. Swabbing hole.
 6-25-54 Clearing out at 6085', Lost Tools and 10' of Wire line, Fished out Wire line, fished tools out, clearing out at 6108'.
 6-26-54 Cleaned out to 6257', Stringing up fishing tools fishing for dump bailer at 6261'.
 6-27-54 Fished out dump bailer. Bailing mud and cleaning out bridges at 6250', stringing up drilling tools.
 6-28-54 Clearing out, cavings on tools, pulled drilling line into. Fishing. Fished out drilling line. clearing out at 6200', fishing.
 6-29-54 Clearing out and fishing.
 6-30-54 Clearing out and fishing. Fished out tools. strung up tools bailing muddy water and diesel oil.
 7-1-54 Bailing mud, water and oil. Cleaning out at 6231'.
 7-2-54 Cleaning out at 6315', Bailed hole dry. strung up dump bailer on drilling line, dumped 5 sacks of cement, bailer stuck, broke drilling line. fishing for 79' of line and dump bailer. Jarring on bailer.
 7-3-54 Fished out 75' of drilling line, hole bridged with cavings at 6212'. Cleaning out at 6223'.
 7-4-54 Running 1000 qts. of Nitro. to shot at 5965', cleaning out after shot at 6072'. Gas Gauge 14" of water through a 3" line.
 7-5-54 Cleaned out after shot to 6210', 7" open hole to 6225', 4" dump bailer and wire line cemented in hole 6225' to 6304'. Baker Formation plug set at 6304'. Hole cleaned out to 6225'. Well shut in. Install Inna Tree. TD: 6379'.

FORM 9-331-A
(FEB. 1951)

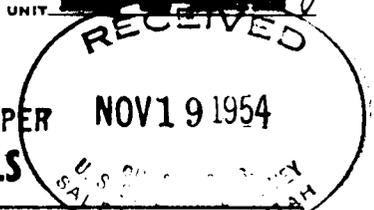
	27		
			0

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Price
LEASE NO. 01286
UNIT Flat Canyon

COPY RETAINED DISTRICT OFFICE



ORIGINAL FORWARDED 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.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....		Subsequent Report of Sand-Free.....	<input checked="" type="checkbox"/>

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

October 26, 1954

Well No. 2 is located 220 ft. from SE line and 130 ft. from E line of sec. 27

SE Sec. 27 16S 6E Salt Lake Basin
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 8967' Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

ID: 6379'

- 10-18-54 Top of Cement Plug at 6112' with 43' of Gravel.
- 10-19-54 Finished filling hole with rocks and gravel to 6048', tamping hole with lead-wool.
- 10-20-54 Cleaned out to 6047', preparing to run tubing to start Sand-Free job.
- 10-21-54 Finished running tubing, having trouble in making production packer hold.
- 10-23-54 Fracture Treatment: First Stage: Ran 2 1/2" Tubing, Packer set at 5700' with 30' tail pipe, loaded annulus 178 bbls. diesel oil, pumped in 1680 gallons of gel, no sand, pressure 3000#. Followed with 6500 gallons gel with 1/2 sand per gal., then 1500 gals with 2/3 per gal flushed with 2100 gals diesel oil. Maximum pressure during treatment 5000#, broke to 4500#. Injection rate 135 gals. per minute.

CONTINUED ON PAGE NO. 2 -

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

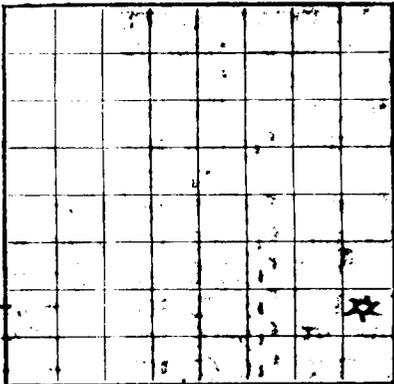
Company Three States Natural Gas Company
Address P. O. Box 730 Price, Utah

Approved NOV 13 1954
[Signature]
District Engineer

By *[Signature]*
Title District Superintendent

ORIGINAL FORWARDED TO CASPER

Budget Bureau No. 42-R-355.3
 Approval expires 12-31-54
 Salt Lake City
 U. S. LAND OFFICE Utah - 01286
 SERIAL NUMBER _____
 LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATED BY SUBJECT Utah Natural Gas Company Post Office Box 730 Price, Utah
 Company Utah N. Gas Address Flat Canyon Utah
 Lessor or Tract 27 141 62 Salt Lake Base Blair
 Well No. 990 Sec. 8 T. 3 R. 30 Meridian E Secs. 27 County _____ Elevation 8970'
 Location _____ ft. S of _____ Line and _____ ft. E of _____ Line of _____ 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 C. J. Gillette District Superintendent
 Date _____ Title _____
 February 20, 1955

The summary of _____ for the condition of the well at above date:
 Commenced drilling _____, 1953 Finished drilling August 3, _____, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
 No. 1, from 5899' to 5940' No. 4, from 6098' to 6108'
 No. 2, from 5967' to 6002' No. 5, from 6204' to 6220'
 No. 3, from 6024' to 6034' No. 6, from 6266' to 6284'

IMPORTANT WATER SANDS

No. 1, from 302' to 350' 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-	
16"	28 1/2	Plain End	N-40	68.50'	Surface	None			Surface
13-3/8"	40	Plain End	N-40	98.75'	Casing	None			Inter.
10-3/8"	35	Plain End	N-40	26.25'	Casing	None			Inter.
8-5/8"	28	Plain End	N-40	19.75'	Casing	None			Inter.
6-5/8"	21 1/2	Plain End	N-40	13.25'	Casing	None			Inter.
7"	23 1/2	Plain End	N-40	20.75'	Casing	None			Inter.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	71'	126 Regular	Halliburton		None
13-3/8"	193.75'	23 Regular	Halliburton		None

FOLE

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
1/2"	Black	Baro Glycorin	236 lbs.	7-5-51	591.0'-591.1'	drilling cable at 5369'
1/2"	Black	Baro Glycorin	1000 lbs.	7-31-51	590.5'-623.1'	cleaning out at 6072'

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 6372' feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing None, 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 583 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

~~ES02080005~~ Contract Employees

Val _____, Driller
Soutly _____, Driller
Clines _____, Driller
Wright, L. Lee _____, ~~ES0208~~

FORMATION RECORD

Tool Box or _____

FROM -	TO -	TOTAL FEET	FORMATION
			Tops
3951			Blackhawk
3951			Star Point
3951			Upper Lances
3951			new
3951			Middle Lances
3951			Carbon

[OVER]

FORMATION RECORD—Continued

10-48004-3

WYBR

DATE	DEPTH	DESCRIPTION	REMARKS

WIDDING AND CEMENTING RECORD

HISTORY OF OIL OR GAS WELL

16-42004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of recording, 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 "detracked" or lost 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 lifting.

CONTRACT DRILLING: Contractors: Basin Drilling Company

Drilled with Cable Tools from 0' to 10'.

7-13-53

Spudded Well with Cable Tools

7-14-53

TD: 36', Drilling sand and boulders.

7-15-53

TD: 71', Ran 4 joints of (68.50') 10" OD, Plain End, 28.00#, Grade H-40, Surface casing. Casing set at 71', cemented with 225 sacks of Regular Cement, Cemented with Halliburton Cementing Company.

7-16-53

TD: 71' . . . C.

7-18-53

TD: 135', Drilling Gravel and Boulders.

7-20-53

TD: 205', Drilling sand and boulders.

7-21-53

TD: 277', Drilling sand and boulders.

7-25-53

TD: 285', Cleaning out gravel.

7-27-53

TD: 285', Drilling ahead in gravel and boulders, started running 13-3/8" OD, Casing. 312.17' of casing in hole, cemented and carry casing with.

7-29-53

TD: 395', Drilling and cleaning out gravel. 13-3/8" casing 270.02' in black sand.

7-30-53

TD: 405', Gravel. 361.70' of 13-3/8" OD, Ord. thd., 48.00#, Grade J-55, casing in hole, cemented at 399.70' by 9' below floor. Cemented with 225 sacks of regular cement, U. S. C.

8-1-53

TD: 500', Working on derrick to repair "A" frame.

8-4-53

TD: 705', Drilling shale and sand.

8-9-53

TD: 1025', Drilling sand. Ran 4 joints 500', 3/4", and at 1070', 1". In bar point.

8-14-53

TD: 1155', Drilling sand shale. Top of upper sandstone at 1155'.

8-16-53

TD: 1302', Drilling sand. string in hole 321 corrected measurement, TD: 11630'.

9-7-53

TD: 2135', Drilling hole dry. Broke drilling line, string up fishing tools.

9-8-53

TD: 2485', Fished out fish, drilling sand.

9-11-53

TD: 2575', Drilling sand. Poles at 2500', 1-1/4" off. Top of sandery at 2568'.

9-13-53

Preparing to run 10-3/4" OD, casing.

9-15-53

TD: 2575', Ran 68 joints of 10-3/4" OD, Ord. thd., 46.00#, Grade H-40, casing, plus one 4' nipple. Total of 2563.55', hanging 8,554 below floor. DID NOT CEMENT. Running water.

9-21-53

TD: 2900', Drilling sand. FOGGLE OFF ON CVD AERT

9-25-53

TD: 3025', in sand. Testing for water, water at 2735'.

9-28-53

TD: 3195', Drilling and bailing water. water increase at 3180', 3190'.

10-7-53

TD: 3575', Drilling and bailing water.

10-19-53

TD: 3685', Drilling sand, totos at 3500', 1-1/4" off.

10-31-53

TD: 4215', shale, preparing to run 8-5/8" OD, casing. Top of middle sandstone at 4215'.

11-2-53

TD: 4215', ran 1493.12' of 8-5/8" OD, Ord. thd., 22.00#, Grade J-55, casing, and 2200.01' of 8-5/8" OD, Ord. thd., 22.00#, Grade J-55, 2-2, sand, casing, a total of 4193.73', casing set at 4212.53', cemented with 125 sacks of Reg. Cement, 50 sacks of Aquafol spotted ahead of cement, U. S. C. Ran 150 Halliburton Temperature survey to 434'. Probable cement top at 3100'.

11-4-53

Preparing to pull and making 10-3/4" casing. Filled all 10-3/4" casing.

11-5-53

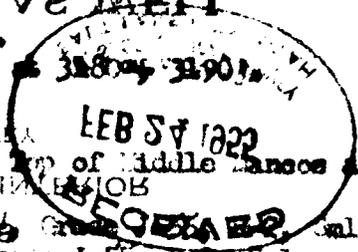
10-3/4" OD, casing out of hole. Drilling cement and bailing water.

11-8-53

Bailing water. Water coming in at 2700', cemented with 100 sacks on bottom, Top of cement at 4200'.

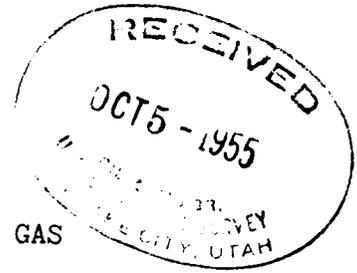
11-9-53

Bailing water, checked top of cement at 4201', water level at 2000'. Drilling cement.



9-546a
(September 1943)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Casper, Wyoming, Laboratory

INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF GAS

Marks on container **#3** Lab. No. **55-0 2** (Filled in by Chemist)

Field **Flat Canyon (Unit), Utah** Farm or Lease **Utah 01296**
(Serial Number)

Operator **Three States Natural Gas Co.** Address **M. D. Kearns**

Well No. **2** **SE 1/4 SE 1/4 sec. 27, T 16 S., R 6 E., S.L. M.**

Sample taken by **H. C. Seville** Date taken **8/25/54**

Name of sand (or formation) from which this sample was obtained (if unknown or doubtful, so state) **Ferron**

Depth to top of sand **5902'** Depth to bottom of sand **6375'**

Depth well drilled **6379'** Present depth **6325'**

Depths at which casing is perforated

If drill stem test, depth at which packer is set

Depth at which last shut-off string of casing is landed, cemented or mudded (state which) **7" cc @ 5902' w/225 sacks**

Depths (if known) where water encountered

If acidized, dates, depths and gallons of acid

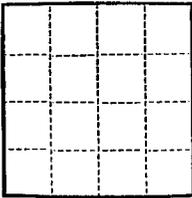
Place where sample was obtained (drill stem, lead line, flow tank, bailer, etc.) **Christmas tree**

Method of production (flowing, pumping, air, etc.) **Shut in**

Initial Production:	Present Production:
Barrels Oil	Barrels Oil
Barrels Water	Barrels Water
Gas Volume 1180 MCF/day (approx.)	Gas Volume
Rock Pressure	Rock Pressure

REASON FOR ANALYSIS **Future reference**

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.



(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. U - 01206
Unit Flat Canyon

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 Re-work well (2)	

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

August 21, 1958

Well No. 2 is located 990 ft. from S line and 330 ft. from E line of sec. 27

SE Sec. 27 T-16-S R-6-E Salt Lake Base
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit Beery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8967 ft. (Ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

P.O.T.D. 6017

We propose to move in Work-over Rig, pull 2 1/2" tubing and Halliburton "HP" Packer from 5700', clean well bore and test well production.

*Procedure approved
Aug 25 1958
C. Hauptman*

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

Company Three States Natural Gas Company

P. O. Box 730
Address Price, Utah

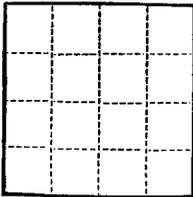
ORIGINAL FILED BY
By W. K. RILEY

Title G.I.P. - District Superintendent

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. U - 01286
Unit Flat Canyon



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.....	<u>Subsequent Report of Re-work well</u>	(X)

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

(Mary D. Kearns) September 9, 19⁵⁸

Well No. 2 is located 990 ft. from S line and 330 ft. from E line of sec. 27

SE Sec. 27 T-16-S R-6-E Salt Lake Base
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit Emery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8967 ft. (Ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

P.B.T.D. 6047

Moved in Double-Drum Pulling Unit on August 23, 1958 attempted to Pull Halliburton "T-1" Production Packer from 5700 feet, unable to get Packer loose, moved off Pulling Unit. August 26, perforated 2-1/2" tubing as follows: 5685, 5665, 5662, 5652, 5651, and at 5649, set Otis bottom hole intermitter @ 5635 for production. Put well back on production. This work covered the following days: August 23, 24, 25, and 26, 1958.

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

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By W. K. Riley
Title District Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TR
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 01286

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

Flat Canyon Unit

2. NAME OF OPERATOR

TENNECO OIL COMPANY

8. FARM OR LEASE NAME

M. D. Kearns

3. ADDRESS OF OPERATOR

Suite 1200, Lincoln Tower Bldg., Denver, Colorado 80203

9. WELL NO.

2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

990' FSL & 330' FEL

10. FIELD AND POOL, OR WILDCAT

Flat Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 27, T-16-S, R-6-E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

8967 GR.

12. COUNTY OR PARISH 13. STATE

Emery Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See prognosis to plug and abandon attached.

18. I hereby certify that the foregoing is true and correct

SIGNED Jerry M. Regal TITLE District Office Supervisor DATE 9-27-68

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Prognosis to Plug and Abandon (continued)

7. If 7" recovery is below 4213', cover shoe of 8-5/8" O.D. w/100' plug.
8. Place 10 sx plug in top of 8-5/8" casing and erect abandoned well marker.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U - 01286

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

Flat Canyon Unit

8. FARM OR LEASE NAME

M. D. Kearns

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Flat Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 27, T-16-S, R-6-E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

1. OIL WELL GAS WELL OTHER P & A

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200, Lincoln Tower Bldg., Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

990' FSL & 330' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

8967 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8/13/69 - Moved in casing pulling unit, loaded annulus with 100 bbls mud, unable to unseat packer at 5700', spotted 50 sacks cement 5800' to 6047'. Shot off tubing @ 5002', spotted 100 sacks cement 5000' to 5300', pulled 162 Jts (5002') of 2-7/8" EUE 6.50# J-55 tubing. Shot off 7" casing @ 3681', 3000', 2488' and would not pull. Shot off @ 1740' & casing free, set 75 sacks cement 1650' to 1775', hole loaded W/mud 1775' to 5000'. Pulled 44 Jts (1738') of 7" 20# J-55 casing. Shot off 8-5/8" casing @ 1636', spotted 75 sacks cement 800' to 1020' across coal interval, spotted 75 sacks cement 350' to 450', pulled 50 Jts (1645') of 8-5/8" 32# J-55 casing, set 10 sacks cement @ surface & installed dry hole marker. Completed P & A 8/18/69. Cleaned location.

18. I hereby certify that the foregoing is true and correct

SIGNED

G. A. Ford

TITLE

Sr. Production Clerk

DATE

9/4/69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

Prognosis to Plug and Abandon

DATE 10/7/68BY Paul A. Burchell

LEASE: M. D. Kearns (Flat Canyon Unit)

WELL NO.: 2

COUNTY: Emery

STATE: Utah

WELL LOCATION: NE/4 SE/4 SE/4 Sec. 27 T-16-S, R-6-E

WELL DATA:

Total Depth Drilled: 6379' PBDT: 6047'

Casing Record:

16" O.D. 28# set @ 71' cmtd w/ 126 sx

13-3/8" OD 48# set @ 394' cmtd w/ 225 sx

8-5/8" O.D. 32 & 24" set @ 4213' cmtd w/ 125 sx

7" O.D. 23# set @ 5902' cmtd w/ 225 sx (Probably 7-3/4" hole)

Tubing Record:2-7/8" O.D. Tubing w/ Halliburton HM Pkr set @ 5700' 30' of tail pipe
below packer

(Note: Packer is stuck. Would not release w/72,000#)

Completion Interval: Open Hole section 5902' - 6047'

KB Elevation: 8970' GL Elev: 8967'

Procedure:

1. Blow well down and load tubing & casing w/ mud
2. Pump into tubing to determine pump-in pressure.
3. Displace 25 sx of cement to below pkr @ 5700' and shut-in w/ sufficient pressure to insure no backflow until cement sets.
4. Cut tubing off @ approx. 5700' and pull
5. Determine freepoint on 7" casing as possible.
6. Place 100' cement plug across 7" stub (50' in - 50' out)