

## 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 12/1Copy NID to Field Office ✓Approval Letter ✓

Disapproval Letter \_\_\_\_\_

## COMPLETION DATA:

Date Well Completed 1-8-61Location Inspected ✓

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

Bond released \_\_\_\_\_

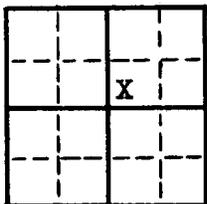
GW \_\_\_\_\_ OS \_\_\_\_\_ PA X

State of Fee Land \_\_\_\_\_

## LOGS FILED

Driller's Log 4-24-61Electric Logs (No. ) 3E \_\_\_\_\_ I \_\_\_\_\_ E-I ✓ GR \_\_\_\_\_ GR-N ✓ Micro \_\_\_\_\_Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others Minilog

If anyone sends a notice of intention to Redrill or Rowan  
this will be to immediately notify Tennessee Gas Transmission Co.



STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
SALT LAKE CITY, UTAH

Fee and Patented.....  
State .....  
Lease No. ....  
Public Domain .....  
Lease No. ....  
Indian .....  
Lease No. ....

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input checked="" type="checkbox"/>	Subsequent Report of Water Shut-off.....	<input type="checkbox"/>
Notice of Intention to Change Plans.....	<input type="checkbox"/>	Subsequent Report of Altering Casing.....	<input type="checkbox"/>
Notice of Intention to Redrill or Repair.....	<input type="checkbox"/>	Subsequent Report of Redrilling or Repair.....	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing.....	<input type="checkbox"/>	Supplementary Well History.....	<input type="checkbox"/>
Notice of Intention to Abandon Well.....	<input type="checkbox"/>		<input type="checkbox"/>

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

November 21, 1960

Howard Crittenden

Well No. 1 is located 1980 ft. from ~~S~~<sup>N</sup> line and 1980 ft. from ~~W~~<sup>E</sup> line of Sec. 22

NE/4 Sec. 22 35S 25E SIM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~electric line~~<sup>ground level</sup> above sea level is 6620 feet.

A drilling and plugging bond has been filed with Blanket Bond

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 work, surface formation, and date anticipate spudding-in.)

1. Drill 17 1/2" hole to 100' with air.
2. Run and cement 100' 13 3/8" OD, 48#, H-40 casing; set at 100' (using guide shoe, baffle disc and sufficient volume of cement to circulate to surface. WOC 24 hrs. Pressure test casing.)
3. Drill 11" hole to 1690' with aerated fluid.
4. Set 8 5/8" OD, 24#, J-55, ST&C csg at 1690'. Cmt w/approximately 125 sx cmt.
5. Drill 7 7/8" hole from 1690' to TD with aerated fluid.
6. At TD run Es-Induction, Gamma Ray Sonic logs, detailing zones of interest (paradox).
7. Run 4 1/2" OD, 9.5#, J-55 casing through lowest pay. Cement with sufficient volume to bring top of cement 500' above top of producing zone.

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

Company Tennessee Gas Transmission Company  
Address P.O. Box 1714 Durango, Colorado  
By *L. B. Plumb* L. B. Plumb  
Title District Production Superintendent

INSTRUCTIONS: 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.

COMPANY TENNESSEE GAS & OIL COMPANY

Well Name & No.  HOWARD CRITTENDEN, WELL # 1

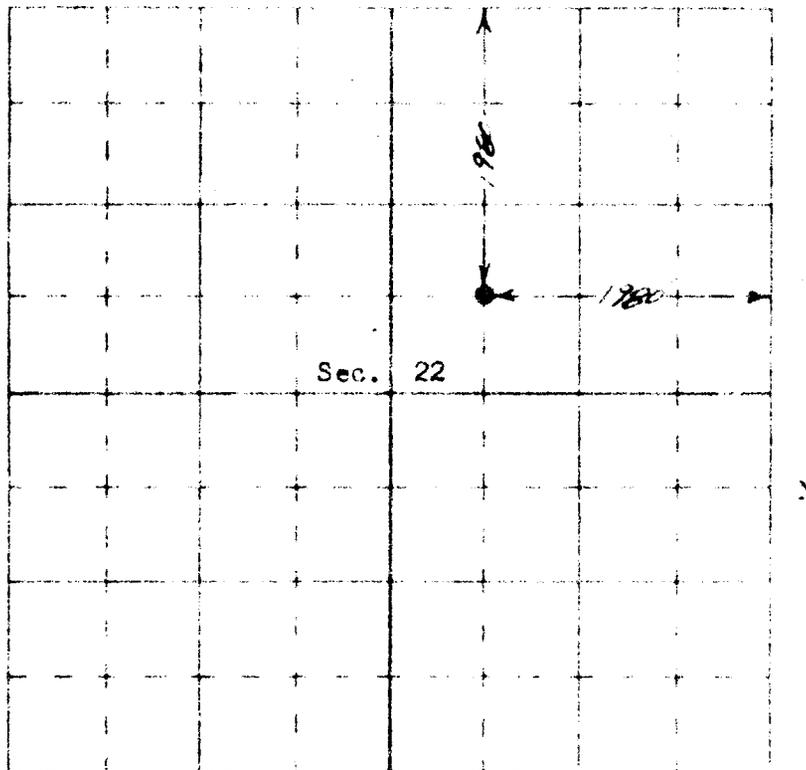
Lease No.           

Location 1980' FROM THE NORTH LINE & 1980' FROM THE EAST LINE

Being in center SW NE

Sec. 22, T35 S, R 25 E, S.L.M., San Juan County, Utah

Ground Elevation 6620.3' ungraded ground



Scale 4 inches equals 1 mile

Surveyed 18 November

1960

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.

*James P. Leese*

Registered Land Surveyor,  
James P. Leese  
Utah Reg. No. 1472

**TENNESSEE GAS AND OIL COMPANY**

DIVISION OF TENNESSEE GAS TRANSMISSION COMPANY

P. O. BOX 1714 • DURANGO, COLORADO



November 21, 1960

Utah Oil and Gas Conservation Commission  
Room 140, State Capitol Building  
Salt Lake City, Utah

Gentlemen:

Subject: Tennessee Gas Transmission Company  
Howard Crittenden No. 1  
Section 22, T35S, R25E,  
San Juan County, Utah

Attached are the original and one copy of Notice of  
Intention to Drill pertaining to subject well.

Yours very truly,

TENNESSEE GAS AND OIL COMPANY

Wayne E. Cox  
District Office Supervisor

WEC:ljr

Attachment

November 22, 1960

Tennessee Gas Transmission Co.  
P. O. Box 1714  
Durango, Colorado

Attention: L. B. Plumb, Dist. Prod. Supt.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Howard Crittenden #1, which is to be located 1980 feet from the north line and 1980 feet from the east line of Section 22, Township 35 South, Range 25 East, SLM, San Juan County, Utah.

Please be advised that approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

C. B. FREIGHT, Executive Secretary

Office Phone: DA 8-0701 or DA 2-4721, Ext. 438  
Home Phone: HU 5-2721

ROBERT L. SCHMIDT, Chief Petroleum Engineer

Office Phone: DA 8-0701 or DA 2-4721, Ext. 438  
Home Phone: AM 6-8616

Address all other forms of communication to the Utah Oil and Gas Conservation Commission, 310 Newhouse Building, Salt Lake City, Utah

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,  
EXECUTIVE SECRETARY

CBF:awg

cc: H. O. Coates - OGCC, Moab

Jerry Lacy, TGT, called  
Friday, Jan 6, '61 @ 2:00 PM  
for approval of plugging of  
Howard Crittenden #1 522,  
T35 S, R25 E, San Juan County

Following Tentative  
Program Approved

8 5/8" set @ 1649  
7" liner hung @ bottom of 8 5/8  
+ cemented up to 4300'

TD 5686 @ Top of Salt.  
Top Ismay @ 5450 - tight  
Top Desert Creek @ 5530 - tight

Plugs:

Approx 100' across Des CK  
100' (50' in + 50' out) in bottom of 7" liner  
50' across top of 7" liner  
10' @ surface, w/ marker

Lacey called again Jan 7, '61, to  
ask if we wanted to witness plugging.  
I told him to go ahead with  
the program outlined above

RLL

RLL

**TENNESSEE GAS AND OIL COMPANY**

DIVISION OF TENNESSEE GAS TRANSMISSION COMPANY

P. O. BOX 1714 • DURANGO, COLORADO



January 10, 1961

Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Gentlemen:

Subject: Tennessee Gas Transmission Company  
Howard Crittenden No. 1  
Section 22, T. 35 S., R. 25 E.  
San Juan County, Utah

Attached are the original and one copy of each of the following reports pertaining to subject well:

1. Subsequent Report of Water Shut-off - Surface
2. Subsequent Report of Water Shut-off - 8 5/8" intermediate
3. Subsequent Report of Water Shut-off - 7" liner
4. Notice of Intention to Abandon Well.

Very truly yours,

TENNESSEE GAS TRANSMISSION COMPANY

  
\_\_\_\_\_  
Wayne E. Cox  
District Office Supervisor

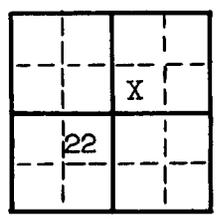
WEC:bjo

Attachments

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LAND: Fee and Patented.....  
 State.....  
 Lease No. ....  
 Public Domain.....  
 Lease No. ....  
 Indian.....  
 Lease No. ....

STATE OF UTAH  
 OIL & GAS CONSERVATION COMMISSION  
 SALT LAKE CITY, UTAH



### SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input type="checkbox"/>	Subsequent Report of Water Shut-off.....	<input checked="" type="checkbox"/>
Notice of Intention to Change Plans.....	<input type="checkbox"/>	Subsequent Report of Altering Casing.....	<input type="checkbox"/>
Notice of Intention to Redrill or Repair.....	<input type="checkbox"/>	Subsequent Report of Redrilling or Repair.....	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing.....	<input type="checkbox"/>	Supplementary Well History.....	<input type="checkbox"/>
Notice of Intention to Abandon Well.....	<input type="checkbox"/>		<input type="checkbox"/>

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

Howard Crittenden ..... January 10 ..... 19 61  
 (Formerly Julius N. Harvey No. 1 A)  
 Well No. .... 1 ..... is located 1980 ft. from ~~NS~~ <sup>{N}</sup> line and 1980 ft. from ~~EW~~ <sup>{E}</sup> line of Sec. 22  
 NE-1/4 Sec. 22 ..... 35 S. ..... 25 E. ..... S.L.M.  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
 Wildcat ..... San Juan ..... Utah  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ <sup>ground level</sup> above sea level is 6760 feet.

A drilling and plugging bond has been filed with blanket bond.

#### 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 work, surface formation, and date anticipate spudding-in.)

Running and cementing intermediate casing as follows:

Ran 53 joints 8-5/8" OD, 24#, J-55, smls, 1637', set at 1649'. Cemented with 107 sacks regular cement, 4% gel and 2700# gilsonite followed by 50 sacks regular cement. Plug down 8:35 p.m. December 3, 1960. WOC 24 hours. Pressure tested at 1000# for 30 minutes. Pressure held o.k.

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

Company Tennessee Gas Transmission Company  
 Address P. O. Box 1714 By J. J. Lacey J. J. Lacey  
Durango, Colorado Title District Production Engineer

INSTRUCTIONS: 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.



TKS

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
SALT LAKE CITY, UTAH

	X
22	

Fee and Patented.....  
 State .....  
 Lease No. ....  
 Public Domain .....  
 Lease No. ....  
 Indian .....  
 Lease No. ....

### 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 Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....	X		

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

Howard Crittenden ..... January 10 ..... 19.61  
 (Formerly Julius N. Harvey No. 1 A)  
 Well No. 1 is located 1980 ft. from <sup>{N}</sup> line and 1980 ft. from <sup>{E}</sup> line of Sec. 22  
~~SW~~  
 NE-1/4 Sec. 22 ..... 35 S ..... 25 E ..... S.L.M.  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
 Wildcat ..... San Juan ..... Utah  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ ground level above sea level is 6760 feet.

A drilling and plugging bond has been filed with blanket bond.

#### 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 work, surface formation, and date anticipate spudding-in.)

Verbal approval received January 6, 1961 from R. L. Schmidt to plug and abandon Howard Crittenden No. 1 as follows:

1. Spot 17 sacks cement from 5500 feet to 5634 feet.
2. Spot 13 sacks cement from 5246 feet to 5353 feet.
3. Spot 8 sacks cement from 1600 feet to 1651 feet.
4. Spot 10 sacks cement from surface to 50 feet.
5. Fill open intervals with mud-laden fluids.
6. Install permanent marker and clean location.

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

Company.....Tennessee Gas Transmission Company.....  
 Address..... P. O. Box 1714 ..... By *J. J. Lacey* J. J. Lacey  
 Durango, Colorado ..... Title..... District Production Engineer

INSTRUCTIONS: 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.



OIL AND GAS CONSERVATION COMMISSION

AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: --The method and procedure for plugging a well shall be as follows:

- (a) The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event, a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud-laden fluid.
- (e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Wildcat County San Juan

Lease Name Howard Crittenden Well No. 1 Sec. 22 Twp. 35S R. 25E

Date well was plugged: January 7, 19 61.

Was the well plugged according to regulation of the Commission: \_\_\_\_\_

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole, (giving size, top and bottom elevations of each section of abandoned casing).

- Spotted 17 sacks cement from 5500 feet to 5634 feet.
- Spotted 13 sacks cement from 5246 feet to 5353 feet.
- Spotted 8 sacks cement from 1600 feet to 1651 feet.
- Spotted 10 sacks cement from surface to 50 feet.
- Filled open intervals with mud-laden fluids.
- Installed permanent marker ~~XXXXXX~~ ~~XXXXXX~~ ~~XXXXXX~~.

Operator Tennessee Gas Transmission Company  
 Address P. O. Box 1714  
Durango, Colorado

AFFIDAVIT

STATE OF ~~UTAH~~ COLORADO

COUNTY OF LA PLATA

Before me, the undersigned authority on this day personally appeared J. J. Lacey, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein, and that said report is true and correct.

Subscribed and sworn to before me this 10th day of January, 19 61.

My Commission Expires:

My Commission expires November 20, 1961

Mary Anne Buchanan Chapman  
NOTARY PUBLIC

INSTRUCTIONS: Complete this form in duplicate.

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**TENNESSEE GAS AND OIL COMPANY**

DIVISION OF TENNESSEE GAS TRANSMISSION COMPANY

P. O. BOX 1714 • DURANGO, COLORADO



January 12, 1961

Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Gentlemen:

Subject: Tennessee Gas Transmission Company  
Howard Crittenden No. 1  
Section 22, T. 35 S., R. 25 E.  
San Juan County, Utah

Attached is one copy of form OGCC-2, Affidavit and Record of  
Abandonment and Plugging, pertaining to subject well.

This location has not yet been cleaned up. As soon as  
weather permits, we will fill all pits and level and  
clean the location.

Yours very truly,

TENNESSEE GAS AND OIL COMPANY



L. B. Plumb

WEC:bjo

Attachment

TENNECO OIL COMPANY · P.O. BOX 1714 · DURANGO, COLORADO

April 7, 1961

Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Attention: Mr. C. B. Feight

Gentlemen:

Subject: Tenneco Corporation  
Howard Crittenden No. 1  
Section 22, T. 35 S., R. 25 E.  
San Juan County, Utah

On January 12, 1961, a copy of Form OGCC-2, Affidavit and Record of Abandonment and Plugging, was filed on the subject well by Tennessee Gas and Oil Company. Since that time the corporate name has been changed to Tenneco Corporation. It is anticipated that we may wish to re-enter the subject well at some future date, therefore, it is requested that you inform us by collect telephone call if any other operator files an intention to re-enter this hole for any purpose. Please notify L. B. Plumb, District Production Superintendent, or R. T. Bogan, District Landman, telephone CH 7-5494, Durango, Colorado.

Very truly yours,

TENNECO OIL COMPANY

  
L. B. Plumb  
District Production Superintendent

LBP:bjo  
cc: R. T. Bogan

**STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION**

State Capitol Building  
Salt Lake City 14, Utah

			X		
			2 2		

LOCATE WELL CORRECTLY

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

**LOG OF OIL OR GAS WELL**

Operating Company Tennessee Gas Transmission Address P. O. Box 1714, Durango, Colorado  
 Lease or Tract: Howard Crittenden Field Wildcat State Utah  
 Well No. 1 Sec. 22 T. 35S R. 25E Meridian SIM County San Juan  
 Location 1980 ft. XXX of N. Line and 1980 ft. XXX of E. Line of Section 22 Elevation 6620 GL  
(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 \_\_\_\_\_ L. B. Plumb

Date April 18, 1961 Title District Production Superintendent

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

Commenced drilling November 22, 1960 Finished drilling January 7, 1961

**OIL OR GAS SANDS OR ZONES**

*(Denote gas by G)*

No. 1, from None 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 None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

**CASING RECORD**

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From--	To--	
13-3/8"	48#	8 rd	Nat'l	100'	Guide	--	--	--	Surface
8-5/8"	24#	8 rd	Nat'l	1637'	Guide	--	--	--	Intermediate
7"	23#	F.J.	Nat'l	3676'	Guide	--	--	--	Liner

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	114	150	Two Plug		
8-5/8"	1649	157	Two Plug		
7"	5303	50	Two Plug		

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 5679 feet, and from -- feet to -- feet  
 Cable tools were used from -- feet to -- feet, and from -- feet to -- feet

**DATES** Plugged and Abandoned

April 18, 19 61 ~~Entered producing~~ January 8, 19 61

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

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

Rock pressure, lbs. per sq. in. ....

**EMPLOYEES**

....., Driller ..... Driller  
 ..... Driller ..... Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0	13	13	KB to Ground Level
13	1063	1050	Sand, Silt, Shale
1063	1860	797	Sandstone
1860	2493	633	Sand, Silt
2493	4315	1822	Sandstone
4315	5636	1321	Limestone, Shale
5636	5679	43	Salt
			<u>Electric Log Tops</u>
			Dakota Surface
			Morrison 205'
			Summerville 940'
			Nava jo 1063'
			Chinle 1860'
			Coconino 2493'
			Hermosa 4315'
			Ismay 5320'
			Desert Creek 5515'
			Akah 5636'
			Total Depth 5679'

[OVER]

1961 FEB 24

JK

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 bailing.

Well Spudded 4:45 p.m. 11-22-60 and drilled 17-inch hole to 115 feet. Ran 3 joints, 100-foot casing 13-3/8-inch 48 lb., H-40 and set at 114 feet. Cemented with 150 sacks and circulated cement to surface. Plug down 2:30 p.m. 11-23-60. WOC 8 hours. Pressure tested casing to 600 lbs. for 30 minutes. Pressure held o.k. Drilled 11-inch hole to 1650 feet. Ran Intermediate casing as follows: Ran 53 joints 1637 feet casing 8-5/8-inch OD 24 lb., J-55 and set at 1649 feet. Cemented with 157 sacks cement. Plug down 8:35 p.m. 12-3-60. Drilling 7-7/8-inch hole. 12-15-61 to 12-22-61 lost circulation at 4461 feet. Spotted cement plug at 1752 feet with 150 sacks cement, 25# gilsonite, 1# walnut hulls, and 1/4# floseal per sack, in attempt to regain circulation. Washing and reaming hole from 1935 feet to 4461 feet. 7-7/8-inch hole drilled and reamed to 5305 feet. Ran 117 joints, 3676 feet, casing (liner) 7-inch, 23 lb, F.J. Hydril. Liner set at 5303 feet. Top of liner 1627 feet. Cemented with 50 sacks cement. Plug down 12-29-60. WOC 24 hours. Pressure tested casing to 1100 lbs. for 30 minutes. Pressure held o.k. Drilling 6-1/4-inch hole. Core No. 1: 5552-5612. Recovered 60 feet very little show. DST No. 1: 5559-5612. Tool open 45 minutes. No blow. Recovered 15 feet drilling mud. Core No. 2: 5612-5659, cut 47 feet, shale, anhydrite, dolomite. No porosity. Drilled and reamed 6-1/4-inch hole to 5679 feet. Ran ES-Induction, Microlog, Caliper log and Gamma Ray Neutron. Plugged well as follows: Spotted 17 sacks cement 5634-5500 feet; 13 sacks cement 5353-5246 feet; 8 sacks cement 1651-1600 feet; 10 sacks cement 50 feet to surface.

TENNECO OIL COMPANY · P.O. BOX 1714 · DURANGO, COLORADO

April 21, 1961

Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Gentlemen:

Subject: Howard Crittenden No. 1  
Section 22, T. 35 S., R. 25 E.  
San Juan County, Utah

Enclosed is the original and one copy of Form OGCC-3, Log of Oil or Gas Well, which pertains to the subject well.

Very truly yours,

TENNECO OIL COMPANY



Wayne E. Cox  
District Office Supervisor

:bjc

Encl.