

FILE NOTATIONS

Entered in NID File

 ✓

Checked by Chief

 ✓

Entered On S R Sheet

 ✓

Copy NID to Field Office

 ✓

Location Map Pinned

 ✓

Approval Letter

 ✓

Card Indexed

 ✓

Disapproval Letter

IWR for State or Fee Land

COMPLETION DATA:

Date Well Completed 2-22-58

Location Inspected

12-7-59

OW _____ WW _____ TA _____

Bond released

GW _____ OS _____ PA X

State of Fee Land

LOGS FILED

Driller's Log 3-24-58

Electric Logs (No. 1) 5

E ✓ _____ I _____ E-I _____ GR _____ GR-N ✓ _____ Micro _____

Lat ✓ _____ Mi-L ✓ _____ Sonic _____ Others Radiocactivity

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

OIL AND GAS CONSERVATION COMMISSION

November 21, 19 57

In compliance with Rule C-4, notice is hereby given that it is our intention to commence the work of drilling Well No. 2, which is located 660 ft from ^(N) () line and 1980 ft. from ^(E) () line of Sec. 18, Twp. 32S, R. 19E, SLM, Cataract Canyon ^(S) (Meridian) (Field or Unit)

SW SE

San Juan on or about 1st day of December 19 57.
(County)

LAND: Fee and Patented () Name of Owner of patent or lease Federal
State ()
Lease No. _____ Address _____
Public Domain (X)
Lease No. _____

Is location a regular or exception to spacing rule? Regular Has a surety bond been filed? No With whom? _____ Area in drilling unit not known
(State or Federal)

Elevation of ground above sea level is 6500' est ft. All depth measurements taken from top of To be reported later which is - ft. above ground.
(Derrick Floor, Rotary Table or Kelley Bushing)

Type of tools to be used Rotary. Proposed drilling depth 3000ft. Objective formation is Mississippian.

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight Per Foot	Grade and Type	Amount Ft.	Top In.	Bottom	Cementing Depths
10 3/4	32.75	H-40 ST&C	150	0	150	Circulate to surface
5 1/2	14	J-55 ST&C	3000	0	3000	To be based on upper horizon evaluations

AFFIDAVIT

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and believe, true, correct and complete.

Approved _____

By H. M. ...

Date _____ 19 _____

District Superintendent

(Title or Position)

By _____

The Texas Company - Producing Dept.

(Company or Operator)

Title _____

Address P. O. Box 157

HSMcM-ARB (11-21-57)
OGCC(2) TTF

Craig, Colorado

INSTRUCTIONS

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.
Salt Lake City
LAND OFFICE
068854-A
LEASE NUMBER
Cataract Canyon
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

H
1-27-58

State Utah County San Juan Field Cataract Canyon

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1957,

Agent's address P. O. Box 157 Company The Texas Company
Craig, Colorado Signed _____

Phone TA-4-6566 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C SW 1/4 SE 1/4 Sec. 18	32S	19E	2	-	-		-		-	12-31-57 - 1363' PD Reaming hole from 7 7/8" to 9 7/8".

HSMcM-ARB (1-8-58) 
USGS (2) TIF UTAH-OGCC

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Land Office Salt Lake
Lease No. 068854-A
Unit Cataract Canyon

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPROVED
MAR 24 1958
SAMUEL L. PLUMMER
DISTRICT ENGINEER

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.....	

Setting 8 5/8" casing

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

January 13, 19 58

Well No. 2 is located 660 ft. from {N} line and 3300 ft. from {E} line of sec. 18
G, SW SE Sec. 18 32-S 19-E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Cataract Canyon San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6487 ft. Ord. & 6500' RB

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)

Drilled to 1750' PD and set 8 5/8" 24# J-55 & 36# H-40 casing at 1678' RB. Cemented with 85-sacks regular cement with 2% CaCl₂. Cement set 24 hrs., tested with 400# for 30 minutes with no drop in pressure.

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

Company The Texas Company - Producing Department
 Address P. O. Box 157
Craig, Colorado

By SIGNED [Signature]
 Title District Superintendent

HSNMc:mp (1-28-58)
 USGS(3):TTP(1):Utah OOC(1)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.
LAND OFFICE **Salt Lake City**
LEASE NUMBER **068854-A**
UNIT **Cataract Canyon**

LESSEE'S MONTHLY REPORT OF OPERATIONS

71-14
2-17

State Utah County San Juan Field Cataract Canyon
 The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1958,
 Agent's address F. G. Box 157 Company The Texas Company
Craig, Colorado Signed _____
 Phone TA-4-6566 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C SW 1/4 SE 1/4 Sec. 18	32S	19E	2	-	7		-		-	1-31-58 - 2434' PD Drilling ahead.

HSMcM-ARB (2-4-58)
USGS (2) TTF UTAH OGCC

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

w

APPROVED
DATE: FEB 12 1958
Samuel L. Plummer
SAMUEL L. PLUMMER
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 060461
Unit Cataract Canyon

to Kyo's
RECEIVED
FEB 12 1958
U. S. GEOLOGICAL SURVEY
MEXICO

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.....	
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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.....	<input checked="" type="checkbox"/>		

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

February 7, 1958

Well No. 2 is located 660 ft. from S line and 3300 ft. from E line of sec. 18

C. 34 35 Sec. 18 12-3 19-2 31M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Cataract Canyon San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6487 ft. Ord. & 6500' NS

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)

Well drilled to 2629' TD. No commercial production encountered so we propose to abandon well in the following manner:
Run 58 sx cement plug from TD to 2629' - Run a 30 sx cement plug from 1730 to 1630' - Leave 8 5/8" casing in hole - Run 5 sx cement plug at surface and cement a 4" pipe marker to extend 6' above surface of ground - between cement plugs hole to be left full of mud. Will fill cellar and clean location of all debris.
Also 10 3/4" casing will be left in hole.

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

Company The Texas Company - Producing Department

Address P. O. Box 157
Craig, Colorado

By _____

CCB-MS (2-7-58)

Title District Superintendent

USGS (3); TIF (1); Utah CGGC (1)

Box 157

Craig, Colorado, February 19, 1958

9-329-SUBSEQUENT REPORT OF
ABANDONMENT
CATAHACT CANYON NO. 2

U. S. G. S.
Box 6721
Roswell, New Mexico

Gentlemen:

We wish to advise that the subsequent report of abandonment for the subject well will be submitted as soon as weather conditions permit the installation of a necessary marker at the well site.

Yours very truly,

THE TEXAS COMPANY
Producing Department

SIGNED H. S. McMINN

H. S. McMinn
District Superintendent

HSMcM:mp

cc: USGS, Farmington, N. M.
Utah OGCC

91-H

3-17

FEB 20 1958

15

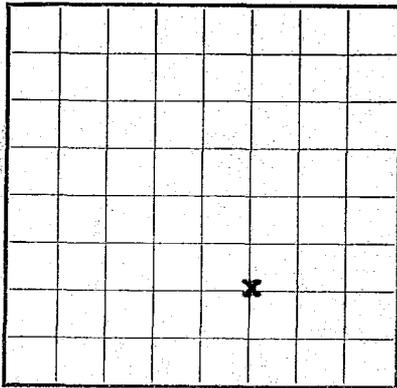
Form 9-330

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER 08461
LEASE OR PERMIT TO PROSPECT _____
Cataract Canyon

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

71-14
3-28

MAR 24 1958



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Texas Company Address P. O. Box 157, Craig, Colorado
Lessor or Tract Federal Field Cataract Canyons state Utah
Well No. 2 Sec. 18 T. 32-S R. 19-W Meridian 34M County San Juan 6487' Grd
Location 660 ft. N. of S. Line and 3300 ft. E. of W. Line of Sec. 18 Elevation 6500' RB
(Derrick floor relative to sea level)

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

Signed _____

Date _____ Title District Superintendent

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

Commenced drilling 12-14, 1957 Finished drilling 2-22, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
10 3/4	40.5	8RT	H-40	Set 224'	Howco				
8 5/8	24 1/2 36	8RT 10VT	H-55 H-40	Set 1678'	Howco Float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	224'	150 ex. w/ 2% CaCl ₂			
8 5/8	1678' RB	85 ex. w/ 2% CaCl ₂			

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

FOLD MARK

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	224'	150 sx. w/ 2% CaCl ₂			
8 5/8	1678'RB	85 sx. w/ 2% CaCl ₂			

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

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

DATES

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

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller **Moran Bros., Inc.**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<i>See attached log data</i>

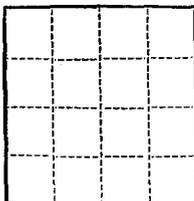
[OVER]

16-48004-8

LEB:mp (3-20-58)
 USGS(2)-UTAH OGCC(2)-OBR
 FWG-DCB-PEC

FORMATION RECORD—CONTINUED

FOLD MARK



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 068461
Unit Cataract Canyon

21-A
3-28

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.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

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

February 26, 1958

Well No. 2 is located 660 ft. from N line and 3300 ft. from E line of sec. 18
G, SW 34 Sec. 18 32-S 19-S SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Cataract Canyon San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6487 ft. Ord. & 6500' RB

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)

Well drilled to a total depth of 2829 ft. No commercially productive zones encountered. Plugging and abandonment procedure as follows:

10 3/4" Casing left in hole.

8 5/8" Casing left in hole.

Ran a 58 ex cement plug from TD to 2629'.

Ran a 30 ex cement plug from 1730 to 1630'.

Ran a 5 ex cement plug at surface.

Drilling mud placed between cement plugs. Erected 4" pipe marker placed 4 ft. above ground with location description on pipe marker.

Abandonment date: February 22, 1958.

RECEIVED

MAR 3 1958

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

Company THE TEXAS COMPANY - PRODUCING DEPARTMENT

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Address P. O. Box 157
Craig, Colorado

By SENECA

Title District Superintendent

CCB-RB (2-26-58)
USGS (3) TIF(1) UTAH OGCC(1)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.
LAND OFFICE **Salt Lake City**
LEASE NUMBER **068854-A**
UNIT **Cataract Canyon**

LESSEE'S MONTHLY REPORT OF OPERATIONS

71-14
3-10

State Utah County San Juan Field Cataract Canyon

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1958,

Agent's address P. O. Box 157 Company The Texas Company
Craig, Colorado Signed _____

Phone TA-4-6566 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C SW 1/4 SE 1/4 Sec. 18	32S	19E	2	-	-		-		-	Well drilled to TD of 2829'. P & A on 2-22-58

HSMcM-ARB (3-1-58)
USGS(2) TTF Utah OGCC

8281 1 HAM

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

THE TEXAS COMPANY

TEXACO PETROLEUM PRODUCTS



Box 157

Craig, Colorado, March 18, 1958

SUBSEQUENT REPORT OF ABANDONMENT
CATARACT CANYON WELL #2

71-14
3-28

The Oil & Gas Conservation Commission
of the State of Utah
Room 105, Capitol Building
Salt Lake City 14, Utah

Gentlemen:

We are attaching, for your files, the Subsequent Report of Abandonment for Cataract Canyon #2.

Very truly yours,

THE TEXAS COMPANY
Producing Department

H. S. McMinn

H. S. McMinn
District Superintendent

MP:m

THE TEXAS COMPANY

TEXACO PETROLEUM PRODUCTS



21-K
3-28

Box 157

Craig, Colorado, March 20, 1958

LOG OF WELL
CATARACT CANYON WELL NO. 2

The Oil & Gas Conservation Commission
of the State of Utah
Room 105, Capitol Building
Salt Lake City 14, Utah

Gentlemen:

We are attaching for your files two (2)
copies of the Log of Well for Cataract Canyon Well No. 2.

Yours very truly,

THE TEXAS COMPANY
Producing Department

H. S. McMinn

H. S. McMinn
District Superintendent

MP:p

attach.

THE TEXAS COMPANY

TEXACO PETROLEUM PRODUCTS



Box 157

Craig, Colorado, March 26, 1958

SETTING OF 8 5/8" CASING
CATARACT CANYON NO. 2

The Oil & Gas Conservation Commission
of the State of Utah
Room 105, Capitol Building
Salt Lake City 14, Utah

Gentlemen:

We are attaching your file copy of the
8 5/8" casing report received and approved by the
U. S. G. S.

Yours very truly,

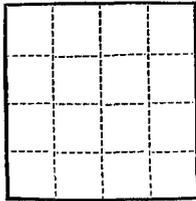
THE TEXAS COMPANY
Producing Department

H. S. McMinn

H. S. McMinn
District Superintendent

MP:p

attach.



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

Land Office Salt Lake
Lease No. 068461
Unit Cataract Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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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)

May 12, 1958

Well No. 2 is located 660 ft. from S line and 3300 ft. from W line of sec. 16
C, SW SE Sec. 16 32-S 19-E SLM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Cataract Canyon San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6487 ft. Ord & 6500' RB

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)

Abandonment Date: February 22, 1958 (Refer to previous report)

This is to advise that all equipment has been moved and location has been cleared of all debris.

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

Company THE TEXAS COMPANY - PRODUCING DEPARTMENT
 Address P. O. Box 157
Craig, Colorado
 By [Signature]
 Title District Superintendent

NSMCM-up (5-12-58)
USGS(9)-OBH-Utah GCGG(1)-DCB(1)-PEC(1)

TEXACO
INC.

PETROLEUM PRODUCTS



DOMESTIC PRODUCING DEPARTMENT
DENVER DIVISION

P. O. BOX 2100
DENVER 1, COLORADO

J. F. NEILL, ASSISTANT DIVISION MANAGER

July 6, 1961

The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

Gentlemen:

Please refer to your letter dated June 22, 1961, in which you requested copies of electrical logs pertaining to Cataract Canyon Well No. 2, San Juan County, Utah.

We are enclosing herewith one copy of the following logs:

Radioactivity log
Electrical Log
Gamma Ray-Neutron log
Laterolog
Microlaterolog

We trust that these logs will complete your files.

Very truly yours,


J. F. Neill

WH

Attach.

CORE DESCRIPTION

TEXACO - ~~SKELLY~~ - CATARACT CANYON UNIT NO. 2

Sec. 18-32S-19E

San Juan County, Utah

43-032-11248

- Core No. 1 886-897' Cut 11', Rec. 11'
886-887 Slst, red & gn, limy, tt.
887-888 Slst, gn, limy, frac filled w/limonite.
888-889 Slst, red, sdy & limy.
889-890 Slst, red & gn, limy & sdy, vert frags filled w/limy material.
890-891 Ss, red, f g, limy cmt, spotty poor por.
891-892 Ss, as abv w/vert frags filled w/gn limy material.
892-893 Slst, red & gn, limy & sdy, tt.
893-894 Slst, as abv.
894-895 Slst, as abv.
895-896 Slst, as abv.
896-897 Slst, as abv.
- Core No. 2 1394-1427' Cut 33', Rec. 1' clay.
- Core No. 3 1428-1472' Cut 44', Rec. 12'
Ss, lt tan & lt gy, vfg to silt, limy, yel limonite stain in frags; ltl ls, lt gy, v f xln (may be cvgs) in bottom 1'.
- Core No. 4 1473-1484' Cut 11', Rec. 2'
Ls, lt gy, f xln oolitic, few vugs, frags w/xls.
- Core No. 5 1539-1589' Cut 50', Rec. 9'
Top 2' Slst, tan, v limy
2 to 6' from top-Ss, tan to lt gy, vfg to silt, limy
6 to 8' from top-Ls, tan & gy, v f, xln, vuggy
Bottom 1'-Breccia(?), fine, dk gy, shy, fossil frags, few vugs & f frags.
- Core No. 6 1599-1610' Cut 11', Rec. 3'
Top foot-Breccia, fine, dk gy, like bottom 1' of Core No. 5.
Bottom 2'-Ls, gy & tan, vuggy & frac'd, possible foss frags.
- Core No. 7 1610-1631' Cut 21', Rec. 8'
Top foot-Ls, same as bottom 2' of Core No. 5.
Bottom 7'-Sh, dk gy to bk, limy, sl fetid odor, no frags, no apparent dip.
- Core No. 8 1726-1736' Cut 10', Rec. 6'
All sh, bk, v limy, v frac'd but mostly re-sealed.
- Core No. 9 1736-1738' Cut 2', Rec. 1½'
Sh, bk, same as Core No. 8.
- Core No. 10 1738-1750' Cut 12', Rec. 12'
1738-1740 Ls, lt to dk gy, prob dol, brecciated & recmt'd, some v shy, some frags filled w/wh gyp.
1740-1747 Ls, lt gy, dol, hd, dns.
1747-1750 Ls, breccia, mott gy, contains oolitic frags & foss frags, wh gyp in frags, ltl spotty oil fluor & st.
- Core No. 11 1752-1766' Cut 14', Rec. 12'
Top 2' assumed lost
1754-1758 Breccia, comprised mainly of ls & oolitic ls frags in limy dk gy clay, poorly consolidated, disintegrates readily, few brn cht frags, excellent por in many oolitic ls frags, poor overall, spotty oil stn to local saturation & bleeding w/kerosene odor.
1758-1759 Breccia, lt gy, largely grit size, hd, tt, much foss hash.
1759-1764½ All same as 1754-1758'.
1764½-1766 Sh, gy, v limy.

- Core No. 12 1787-1806' Cut 19', Rec. 19'
- 1787-1791 Ls & dol breccia, lt-dk gy frag in dk gy-bk shy matrix; frag comprised of lt gy calcarenites, dk gy ls & dol about $\frac{1}{4}$ "-6" in length; calcarenite por fair to good w/v spotty stain & bleeding, sl kerosene odor, tastes salty, overall por tt.
- 1791-1792 $\frac{1}{2}$ Ls, dk gy, ltl brn mott, v f xln, tr bk spec; tt, no show.
- 1792 $\frac{1}{2}$ -1795 Ls & dol breccia, same as 1787-1791; calcarenites finer g, almost calcilutites, some clay mtx, less stn, por tt.
- 1795-1802 Ls, gy, dns-f xln, tr clr qtz or calcarenite gs, tr bk spec; tt, no show.
- 1802-1805 Ls & dol breccia, same as 1787-1791 except mtx is dk gy & anhyic, some v thin fib gyp veins; sl stn, mostly tt.
- 1805-1806 Ls, bk, v f xln, dns, tt.
- Core No. 13 1806-1825' Cut 19', Rec. 19'
- 1806-1807 $\frac{1}{2}$ Ls & dol breccia, lt gy-dk gy frag in dk gy-bk mtx; frag lengths $\frac{1}{4}$ " to 5"; v sl-no stn or por.
- 1807 $\frac{1}{2}$ -1808 $\frac{1}{2}$ Ls, gy, dns, tr v f xln & ang calc gs, tt, no show.
- 1808 $\frac{1}{2}$ -1819 Ls & dol breccia, same as 1806-1807 $\frac{1}{2}$, more shy grading to calc gy-gn clay from 1815-1819.
- 1819-1825 Ls & dol breccia, mostly dk gy ls w/bk shy anhy; frag smaller ($\frac{1}{4}$ "-3") & less dominant than breccia above; few fib gyp veins; tt, no show.
- Core No. 14 1825-1857' Cut 32', Rec. 32'
- 1825-1831 Ls & dol breccia, mostly dk gy ls frag in bk shy anhyic mtx, frag $\frac{1}{4}$ " to 3" in length & less abundant than breccia from 1808 $\frac{1}{2}$ -1819.
- 1831-1832 Dol, dk gy, v f xln, dns, sl anhyic; tr dk gy-bk ls incl; tr sl por, no show.
- 1832-1835 Ls & dol breccia, widely scattered anhy veins w/some anhy in dol; frag up to 3" or 4" in length; no show.
- 1835-1837 Dol, gy, v f xln; sl anhyic; v sl por, no show.
- 1837-1848 Ls & dol breccia w/6" intbd ls str; breccia mostly dk gy-bk dol frag; some gy ls frag; mtx bk & shy; tr gy-lt gy anhy str; tt, no show.
- 1848-1851 Ls, gy, dns, tr v f xln; tt, no show.
- 1851-1854 Ls & dol breccia, same as 1832-1835; v sl tr of oil bleeding from frags.
- 1854-1856 $\frac{1}{2}$ Ls, lt gy, oolitic; spotty stn, fair to good por, spotty bleeding, appears wet; badly broken, thickness may be less.
- 1856 $\frac{1}{2}$ -1857 Ls & dol breccia, same as 1832-1835; some anhy veins; tt, no show.
- Core No. 15 1857-1891' Cut 34', Rec. 34'
- 1857-1860 $\frac{1}{2}$ Ls breccia, mostly gy-dk gy ls frags up to 4" in length; numerous oolitic ls frags, sl-v porous, spotty oil bleeding; overall por tt.
- 1860 $\frac{1}{2}$ -1862 $\frac{1}{2}$ Ls, gy, dns, tt, no show.
- 1862 $\frac{1}{2}$ -1867 $\frac{1}{2}$ Ls & dol breccia, same as 1857-1860 $\frac{1}{2}$ except oolitic ls frags more abundant; one is 12" long at 1864-1865; it bleeds spotty oil and is v porous, appears wet; bk ls mtx more shy and sl anhyic; overall por tt.
- 1867 $\frac{1}{2}$ -1869 $\frac{1}{2}$ Ls calcarenite, gy, v f g, almost slst size particles, appears dns in places; tt, no show.
- 1869-1887 $\frac{1}{2}$ Ls & dol breccia, same as 1857-1860 $\frac{1}{2}$; same type show, sh-clay mtx from 1872-1874 $\frac{1}{2}$ & 1878-1880; few fib gyp veins.
- 1887 $\frac{1}{2}$ -1889 Ls, dk gy, v f xln, dns, tr med xls & dk gy mott; tt, no show.
- 1889-1891 Ls & dol breccia, same as 1869-1887 $\frac{1}{2}$, no clay mtx w/ltl-no oolitic ls frags.

- Core No. 16 1891-1920' Cut 29', Rec. 29'
- 1891-1891 $\frac{1}{2}$ Ls, gy, dns, tr bk spec & bk ls incl.
 - 1891 $\frac{1}{2}$ -1900 $\frac{1}{2}$ Ls & dol breccia; frag lt gy-bk, average 1" in length, some up to 3" but less abundant; mtx bk & shy, tr med g calcarenite frags, ltl-no oolitic ls frags; few $\frac{1}{4}$ " fib gyp veins.
 - 1900 $\frac{1}{2}$ -1903 Dol, gy-dk gy, sl calc, dns, tr gy cht.
 - 1903-1904 $\frac{1}{2}$ Ls & dol breccia, same as 1891-1900 $\frac{1}{2}$ w/some v f g calcarenites.
 - 1904 $\frac{1}{2}$ -1906 Ls calcarenite, lt gy, v f g grades to sh size particles, tt, no show.
 - 1906-1920 Ls & dol breccia, same as 1891-1900 $\frac{1}{2}$ except frags average about 1 $\frac{1}{2}$ " in length, tr calcarenites.
- Core No. 17 1920-1965' Cut 45', Rec. 45'
- 1920-1939 Ls & dol breccia; frag lt-dk gy, about $\frac{1}{2}$ "-1" in length, few 3", 6" shy str abt 2' apart from 1922-1939.
 - 1939-1947 Ls & dol breccia, same as 1920-1939 except frags larger (1"-2"), more shy, sdy & includes some v f g calcarenites.
 - 1947-1953 Dol, gy-dk gy, dns-v f xln, sdy, some lt gy dol incl up to $\frac{1}{2}$ " in length, tr anhy incl.
 - 1953-1954 Sh, bk, sl-v sdy, sl calc, tr fib gyp veins.
 - 1954-1957 $\frac{1}{2}$ Sh, dk gy, v sdy, sl calc, soft, tr v f g ss str.
 - 1957 $\frac{1}{2}$ -1959 Sh, bk, sl-non sdy, dolomitic; grades to dol at base, v f xln
 - 1959-1960 Sh, gy, v sdy, dolomitic, v sl live oil bleeding from frac.
 - 1960-1965 Sh, gy, v sdy, v calc, soft, almost clay.
- Core No. 18 1965-1994' Cut 29', Rec. 29'
- 1965-1969 Ls & dol breccia, gy-bk frag in dk gy-bk dol mtx, frags average about $\frac{1}{4}$ " in length, more rounded than 1939-1947, frags less abundant.
 - 1969-1975 Dol, dk gy, dns, sl-v anhyic, many bk dol frags, almost a breccia.
 - 1975-1978 Dol & ls breccia, same as 1965-1969 except mtx is sdy.
 - 1978-1982 Dol, same as 1969-1975, tr calcarenite gs.
 - 1982-1984 Ls calcarenite, lt gy-brn, v f g to silt size gs, tt, no show.
 - 1984-1990 Ls & dol breccia, lt gy-bk frags, tr bk sh frags, max size 1 $\frac{1}{2}$ ", more rounded than 1965-1969; bk dolomitic mtx contains calcarenite gs; shy from 1988-1990.
 - 1990-1994 Dol, dk gy, dns, v anhyic, tt.
- Core No. 19 1994-2024' Cut 30', Rec. 30'
- 1994-1999 $\frac{1}{2}$ Ls & dol breccia, same as 1984-1990, abundant bk sh frags, shy dolomitic mtx from 1997-1999 $\frac{1}{2}$.
 - 1999 $\frac{1}{2}$ -2001 Dol, gy, v f xln, dns, anhyic, tr smoky qtz, tr bk sh frags.
 - 2001-2002 Ls & dol breccia, same as 1994-1999 $\frac{1}{2}$.
 - 2002-2004 $\frac{1}{2}$ Dol, same as 1999 $\frac{1}{2}$ -2002, top 6" has sl live oil bleeding from small frags.
 - 2004 $\frac{1}{2}$ -2006 Ls & dol breccia, same as 1994-1999 $\frac{1}{2}$.
 - 2006-2009 Dol, same as 1999 $\frac{1}{2}$ -2001.
 - 2009-2019 $\frac{1}{2}$ Ls & dol breccia, same as 1994-1999 $\frac{1}{2}$.
 - 2019 $\frac{1}{2}$ -2024 Ls & dol breccia, same as 1994-1999 $\frac{1}{2}$, except it is intbd w/6" dol beds like 1999 $\frac{1}{2}$ -2001; 6" oil-bleeding zone from small frac in a dol bed.
- Core No. 20 2639-2663' Cut 24', Rec. 24'
- 2639-2641 Sh, gn, sil, tr mic & pyr, numerous frags of gy ls, dns, sl slty.
 - 2641-2649 Ls breccia, gy & lt brn xln ls frag in gn sil sh mtx, zone mostly frag about $\frac{1}{4}$ " in length, ls frag dns-med-crs sln w/some macro xln, some sln ls making up mtx, tr xln ls & pyr in veins, tt, no show

- Core No. 20 (cont'd)
- 2649-2654 Ls breccia, frag 6"-12" in length composed of lt gn & lt brn ls, gn sil sh fills zones between frags, ls is fn-crs xln, tr pyr ls.
- 2654-2659 Ls breccia, same as 2649-2654 except frags $\frac{1}{4}$ "-6" in length w/more gn sh making up mtx, tr ls xls in sh mtx.
- 2659-2663 Ls breccia, same as 2649-2654 except ls frags gn & dolomitic, sl mott dk gn & dk gy.
- Core No. 21 2742-2751' Cut 9', Rec. 9'
- 2742-2744 Dol breccia, frags dk gy, fn xln, shy; abundant incls or frags of anhy, wh, dns; dol mtx shy & anhyic.
- 2744-2748 Dol, gy, fn xln, anhyic, numerous dk gy-bk sh str & incl; por vugular, v sl stn & v sl fluor in vugs, less than 10% of vugs stn by a dead oil residue.
- 2748-2750 Dol, same as 2744-2748 except mostly brn in color, shows the same.
- 2750-2751 Dol, same as 2744-2748 except more vugular, ltl-no show in vugs, sl stn & fluor in hairline fracs.
- Core No. 22 2751-2791' Cut 40', Rec. 40'
- 2751-2756 Dol, crm brn, fn xln, v sl-non anhyic; vugular, about 5% of vugs stn by a dead oil residue.
- 2756-2762 Dol, same as 2751-2756 w/same show, less vugular & sl more anhyic.
- 2762-2767 Dol, crm, some lt gy, v f xln-f xln, sl anhyic, some v thin bk sh str & veins, numerous hairline fracs; sl vug, ltl-no stn & fluor in vugs.
- 2767-2774 Dol, same as 2762-2767, sl-v vugular, no show; few wh anhy incl.
- 2774-2779 Dol, same as 2762-2767, sl vugular, no show; no sh str.
- 2779-2785 Dol, lt gy, v fn xln, dns, sl anhyic; sl vugular, no show.
- 2785-2791 Dol, crm & gy, dns, sl anhyic, numerous hairline fracs & str of anhy, no vugs, tt, no show.
- Core No. 23 2791-2808' Cut 17', Rec. 17'
- 2791-2798 Dol, same as 2785-2791, tt, no show.
- 2798-2807 Dol, lt gy, v fn xln, dns, sl anhyic, numerous hairline fracs & slickensides, some dk gy shy dol str, tr vugs in last 6", tt, no show.
- 2807-2808 Dol, same as 2798-2807, badly fracd, numerous wh & brn cht incls.
- Core No. 24 2808-2811' Cut 3', Rec. 2'
- 2808-2810 Dol, lt gy, fn-med xln, anhyic, str of wh xln anhy w/dol incl; last 1' changes to brn dol w/wh & brn cht incl.
- 2810-2811 Lost.
- Core No. 25 2811-2816' Cut 5', Rec. 5'
- 2811-2814 Dol, gy-brn, v fn xln, dns, sl-v anhyic, sl tr vugs, tr foss.
- 2814-2816 Dol, same as 2811-2814, numerous hairline fracs filled w/gyp, some wh cht incl.
- Core No. 26 2816-2822' Cut 6', Rec. 6'
- 2816-2820 Dol breccia, 3" frag, gy-brn, dns, anhyic; mtx is wh xln anhy.
- 2820-2822 Dol, same as 2811-2814, numerous hairline fracs, much wh porcelain-like cht.
- Core No. 27 2822-2825' Cut 3', Rec. 3'
- 2822-2825 Dol, gy-gy brn, dns, sl anhyic, badly fracd, numerous slickensides, few milkwhite & lt gy cht str at base.

Core No. 28 2825-2829' Cut 4', Rec. 4'
2825-2829 Dol, same as 2822-2825, sl-non anhyic, anhy &
gyp in numerous frags, numerous incl of cht
as in 2822-2825, frags skickensided.

GENERAL INFORMATION

Location: 660'S/L, 3300'W/L Sec. 18-32S-19E
San Juan County, Utah

Pipe Set: 10 3/4 @ 224
8 5/8 @ 1678

Spud: 12-14-57
Completed: 2-10-58
Total Depth: 2829'

Elevation: 6508 DF
6509 KB

Lost Circulation Zones:

275
420 to 440 (no samples)
525
700
1050 to 1777 (no samples - some cores cut "dry").

No drill stem tests taken.