

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A, or operations suspended 12-20-55

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

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 _____

COMPLETION DATA:

Date Well Completed 12-20-55

OW _____ WW 3/4

GW _____ OS _____ PA ✓

Location Inspected _____

Band released _____

State of Fee Land _____

LOGS FILED

Driller's Log 102855

Electric Logs (No.) 5

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

Lat ✓ Mi-L ✓ Sonic _____ Others Radioactivity

	22	
		o

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal
Allottee _____
Lease No. 11-20-603-369

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	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 REDRILL 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)

COPY

September 15, 1955, 19

Navajo-White Mesa

Well No. 2 is located 700 ft. from N line and 300 ft. from E line of sec. 22

SE SE Section 22 42S 24E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
White Mesa WC San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft. Not run yet

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)

Rotary drilling equipment will be used to drill into the Molas Formation, estimated TD 6500'. Surface formation - Morrison. Surface casing: Approximately 1450' of 10-3/4" OD 32.75# & 40.5# smls csg, cemented to the surface. Production string: approximately 6500' of 7" OD 23# J55 & N80 smls csg. Mud program-conventional mud and/or gyp base or salt base mud as required. Drill stem tests - all oil and gas shows will be tested. Logs* electric logs etc will be run before setting casing or abandonment. A mud logging unit may be employed. Will complete in open hole and/or perforate oil string as required. Stimulating treatments such as acid or hydraulic fracturing may be employed.

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

Company THE CARTRIDGE COMPANY

Address Box 591
Vernal, Utah

COPY (ORIGINAL SIGNED) B. M. BRADLEY

By B M Bradley
Title District Superintendent

	22		
			o

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal
Allottee _____
Lease No. 11-20-603-369

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 REDRILL 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		Report of Setting 10-3/4" Csg	<input checked="" type="checkbox"/>

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

COPY

November 8, 1955, 19

Navajo-White Mesa
Well No. 2 is located 700 ft. from NS line and 300 ft. from E line of sec. 22
SE SE Section 22 42S 24E S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
White Mesa WC San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4938 ft. 4930' G.L.

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)

Ran 45 joints 10-3/4" OD casing set at 1386' (Bottom 157' of 40.5# J55 smls, next 975' of 32.75# H40 smls, top 254' of 40.5# J55 smls). Cemented with 700 sacks of regular cement, good returns. Baker guide shoe at 1386', Halliburton float collar at 1354', centralizers at 1370' and 1280', scratchers at 1270' to 1300'. Tested with 1000# for 30 minutes, held OK, drilled cement plug 1351-1390'.

Spudded 10-22-55

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

Company THE CARTER OIL COMPANY

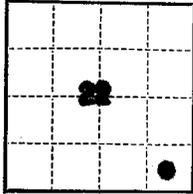
Address Box 591

Vernal, Utah

COPY (ORIGINAL SIGNED) **B. M. BRADLEY**

By B M Bradley

Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal
Allottee _____
Lease No. 14-80-609-369

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 REDRILL 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	Report of Drill Stem Test	X

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

November 18, 1955, 19

Navajo-White Mesa

Well No. 2 is located 700 ft. from S line and 300 ft. from E line of sec. 22

SE SE Section 22

(¼ Sec. and Sec. No.)

42E

(Twp.)

21E

(Range)

31N

(Meridian)

White Mesa WC

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is 4938 ft. 4930 O.L.

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)

IST #1 - TD 4405', packer at 4380' - Tool open 2 hours, shut in 30 minutes. Weak blow for 3 minutes - by passed tool in 15 minutes - no blow, bypassed tool in 30 minutes no blow. Recovered 6' oil drilling mud. IFF 0%, FFP 0%, SIP 0%, Hydrostatic 2325#.

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

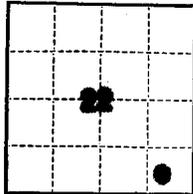
Company THE CARTER OIL COMPANY

Address Box 591

Vernal, Utah

By B. M. BRADLEY

Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal
Allottee _____
Lease No. 14-20-603-369

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 REDRILL 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	Report of Drill Stem Test	X

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

December 6, 1953, 19__

Navajo-White Mesa

Well No. 2 is located 700 ft. from S line and 300 ft. from E line of sec. 22

SE 22 Sec 22
(1/4 Sec. and Sec. No.)

12S 21E
(Twp.) (Range)

SLM
(Meridian)

White Mesa W
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 4938 ft. 4930' OL

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)

ISF #2 - TD 5,490', packer at 5,478'. Tool open 2 hours, shut in 30 minutes. Weak initial blow gradually decreased, dead in 20 minutes. Bypassed tool, very weak blow dead in 4 minutes. Recovered 10' drilling fluid, slightly gas out. All pressure 0', Hydrostatic 2825#.

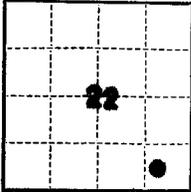
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE CARTER OIL COMPANY

Address Box 591

Vernal, Utah

By B. M. BRADLEY
B M Bradley
Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency

Navajo-Tribal

Allottee

Lease No. **14-20-603-369**

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 REDRILL 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	Report of Drill Stem Test	X

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

December 7, 1955

19.....

Navajo-White Mesa

Well No. **2** is located **700** ft. from **S** line and **300** ft. from **E** line of sec. **22**

SE SE Sec 22
(¼ Sec. and Sec. No.)

42S 2R
(Twp.) (Range)

S1M
(Meridian)

White Mesa WC
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is **4938** ft. **4930' OL**

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)

DST #3 - TD 5,606' packer at 5529'. Tool open 2 hours, weak initial blow-dead in 10 minutes. Bypassed tool after 10 minutes weak blow dead in 5 minutes. Recovered 10' slightly gas out drilling fluid. All pressure 0, Hydro 2900#.

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

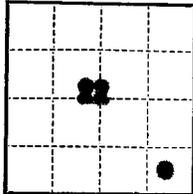
Company **THE CARTER OIL COMPANY**

Address **Box 591**

Vernal, Utah

By **B M BRADLEY**

Title **District Superintendent**



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency

Navajo-Tribal

Allottee

Lease No. **11-80-603-369**

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 REDRILL 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.....	Report of Drill Stem Test	X

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

December 9, 1955

19.....

Navajo-White Mesa

Well No. **2** is located **700** ft. from **SW** line and **300** ft. from **E** line of sec. **22**

SE SE Sec 22

(1/4 Sec. and Sec. No.)

White Mesa WC

(Field)

42S

(Twp.)

San Juan

(County or Subdivision)

24E

(Range)

31M

(Meridian)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is **4931'** ft. **4930' CL**

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)

IBT #4 - TD 5,932' - packer at 5,831'. Tool open 2 hours shut in 30 minutes. Very weak initial blow increased to fair blow in 2 minutes, gradually decreasing to very weak at end of test. Bypassed tool, weak blow, decreased to very weak at end of test. Recovered 260' slightly gas cut drilling fluid. IFP 200#, FFP 250#, 30 minute SIP 250#, Hydrostatic 3450#.

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

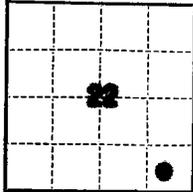
Company **THE CARTER OIL COMPANY**

Address **Box 591**

Vernal, Utah

By **B M Bradley**

Title **District Superintendent**



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal
Allottee _____
Lease No. 14-20-603-369

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 REDRILL 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	Report of Drill Stem Test	X

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

December 19, 1955

Navajo-White Mesa

Well No. 2 is located 700 ft. from SW line and 300 ft. from E line of sec. 22

SESE Sec 22

(1/4 Sec. and Sec. No.)

42S

(Twp.)

24E

(Range)

SLM

(Meridian)

White Mesa WC

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is 4938 ft. 4930' OL

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

IST #5 - 220000 6106', Packers 6130' - 6185'. Tool open 2 hours shut in 30 minutes. Weak initial blow which continued throughout test. Bypassed tool after 1 hour, blow the same. No gas to surface, recovered 92' of slightly gas cut drilling fluid. IFF 0%, FFP 0%, SIP 175%, Hydrostatic 3350%.

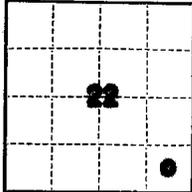
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE CARTER OIL COMPANY

Address Box 591

Vernal, Utah

COPY (ORIGINAL SIGNED) B. M. BRADLEY
By B M Bradley
Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal
Allottee _____
Lease No. 14-20-603-369

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

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

December 19, 1955, 19

Navajo-White Mesa

Well No. 2 is located 700 ft. from S line and 300 ft. from E line of sec. 22

SE SE Sec 22
(1/4 Sec. and Sec. No.)

42N
(Twp.)

24E
(Range)

SLM
(Meridian)

White Mesa WC
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 4938 ft. 4930' GL

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)

Intend to plug and abandon well as follows:

- TD 6,406' - 4045' - 3935' 45 sacks cement
- 3440' - 3325' 46 sacks cement
- 2785' - 2695' 37 sacks cement
- 2535' - 2445' 37 sacks cement
- 1460' - 1450' 45 sacks cement
- 1135' - 1355' 35 sacks cement
- 20' - Surface 15 sacks

Intervals between plugs to be filled with drilling mud.
To erect a 4" dry hole marker extending 4' above ground.

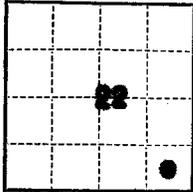
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE CARTER OIL COMPANY

Address Box 591
Vernal, Utah

COPY (ORIGINAL SIGNED) B. M. BRADLEY

By B M Bradley
Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency
Navajo-Tribal
Allottee
Lease No. **14-20-603-269**

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 REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

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

December 20, 1955, 19.....

Navajo-White Mesa

Well No. **2** is located **700** ft. from **S** line and **300** ft. from **E** line of sec. **22**

SE SE Sec 22

(1/4 Sec. and Sec. No.)

42S 21E

(Twp.) (Range)

SLM

(Meridian)

White Mesa WC

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is **4938** ft. **4930' 0L**

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 plugged and abandoned as follows: TD 6106':
 Placed 45 sack cement plug from 4045' - 3935'
 " 46 " " " from 3410' - 3325'
 " 37 " " " from 2785' - 2695'
 " 37 " " " from 2535' - 2445'
 " 45 " " " from 1460' - 1450'
 " 35 " " " from 1435' - 1355'
 " 15 " " " from 20' to surface

Intervals between plugs filled with drilling mud.

Placed 4" dry hole marker in cement in top of surface casing, extending 4' above ground level.

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

Company **THE CARTER OIL COMPANY**

Box 591

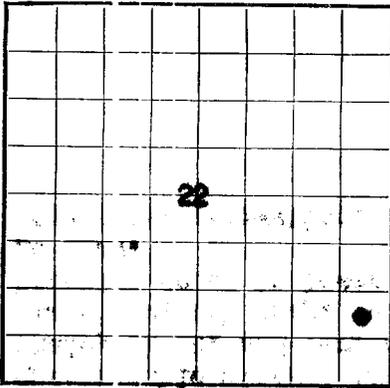
Address **Vernal, Utah**

COPY (ORIGINAL SIGNED) B. M. BRADLEY

By **B M Bradley**

Title **District Superintendent**

15



U. S. LAND OFFICE
SERIAL NUMBER 11-29-603-369
LEASE OR PERMIT TO PROSPECT
Navajo-Tribal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Carter Oil Company Address Box 571, Tropic, Utah
Lessor or Tract Navajo-Tribal Field White Horse No. 1 State Utah
Well No. 2 Sec. 22 T. 42S R. 21E Meridian SL1 County San Juan
Location 100 ft. N. of 8 Line and 300 ft. W. of R Line of Sec 22 Elevation 4938
(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.

COPY (ORIGINAL SIGNED) **B. M. BRADLEY**

Date Dec 28, 1955 Title District Superintendent

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

Commenced drilling 20-22-55, 19... Finished drilling 28-20-55, 19...

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 550 to 870 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10-3/4"</u>	<u>40.5</u>	<u>8rd</u>	<u>J-55</u>	<u>251'</u>	<u>-</u>				<u>Surface</u>
<u>10-3/4"</u>	<u>41.5</u>	<u>8rd</u>	<u>J-55</u>	<u>875'</u>					<u>Surface</u>
<u>10-3/4"</u>	<u>41.5</u>	<u>8rd</u>	<u>J-55</u>	<u>1075'</u>					<u>Surface</u>
HISTOKA OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>1086'</u>	<u>700</u>	<u>Halliburton</u>		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

FOLD MARK

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 6,106' feet, and from _____ feet to _____ feet

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

DATES

12-21-55, 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

P. E. Grebb, Driller C. E. Mayhan, Driller

C. L. Zimmerman, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	295'	295'	Morrison
295'	555'	260'	San Rafael Group
555'	1162'	913'	Clan Canyon Group
1162'	2218'	750'	Ganja
2218'	2318'	100'	Shinarump
2318'	2480'	162'	Honkopi
2480'	3260'	780'	Outler
3260'	4090'	830'	Cedar Mesa
4090'	4381'	291'	Gas
4381'	5111'	1060'	Lower Upper Laramie
5111'	6270'	829'	Upper Laramie Paradox
6270'	6370'	100'	Lower Laramie
6370'	6106'	36'	Gas - Hole

FROM

TO

TOTAL FEET

(OVER)

FORMATION

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION	10-48007-3
Core No. 1 from 5132-5190', Recovery 58', Formation - Hermosa-Paradox				
2'			Limestone light gray, sacrosic, calcitic, some low porosity. Spotty staining and bleeding, along horizontal partings. Poor to good fluorescence, poor to fair cut.	
2'			Limestone as above but more dense and less sacrosic appearing. Very poor fluorescence and cut.	
3'			Limestone as above but dense with very scattered bleeding along horizontal partings, very slight show.	
2'			Limestone light gray, shaly, very fossiliferous, carbonaceous replacements of fossils.	
1.5'			Shale, black micaceous, calcareous, fossiliferous. From 41-42, very fossiliferous, fish scales at 51.4.	
2'.5'			Shale, black, carbonaceous, slightly calcareous to dolomitic, fossiliferous. From 47.5-48.5 is very fossiliferous. Lns 55-65, conchoidal fractures, lithographic.	
1.5'			Shale, black, very calcareous, fossiliferous, well indurated-almost a very shaly carbonate. Nibs and inclusions of carbonaceous material with vitreous luster, some in thin seams as solid hydrocarbon from 77.3-77.9. Partial pyrite replacement of fossils.	
1'			Limestone, gray, hard, crystalline, slightly sacrosic, appeared dense.	
1'			Dolomite, very shaly, good odor and stain, bleeding. No visual porosity. Disks, greenish-brown. Color of dolomite is probably gray but staining gives brownish cast.	
1'			Dolomite, gray, calcareous, shaly, micaceous, dense, very slight show.	
1'			Dolomite, gray, very shaly grading to dolomitic, shale, micaceous, very scattered staining and bleeding.	
3'			Dolomite, gray very shaly, micaceous, scattered bleeding.	
2'			Dolomite as above but with thin shale partings, very slight bleeding, very slight show.	
2'			Anhydrite with limestone inclusions.	
Core No. 2 from 5190-5240', Recovery 58', Formation - Paradox				
13'			Anhydrite, gray-white, with streaks and stinklets of blk very argillaceous limestone to limy shale.	
8'			Limestone, shaly, very argillaceous, slightly sacrosic, faint odor on fresh break, poor fluorescence, fossiliferous.	
1'			Mudstone, blk, very argillaceous, micaceous, faint fetid odor on fresh break, very poor fluorescence, crumpled, very carbonaceous shale partings, dense fossiliferous.	
7'			Limestone, gray-dark gray-blk, very argillaceous, micaceous, crumpled blk shale partings, inclusions of carbonaceous material (solid hydrocarbons). Fossiliferous, trace of very small anhydrite inclusions.	
2'			Limestone, gray, similar to above, but with less argillaceous, very fossiliferous, micaceous, faint odor, very poor fluorescence.	
1.5'			Shale, blk, very calcareous, micaceous.	
3'			Limestone, blk, very argillaceous, crumpled, blk, carbonaceous partings, milkline voids, fractures at 552-21, very slight fluorescence on fresh break.	
1.5'			Shale, blk, very calcareous, fossiliferous micaceous.	
1'			Limestone, blk, very argillaceous, calcareous, fossiliferous, micaceous.	
2.5'			Limestone, blk, argillaceous, fossiliferous, micaceous, faint odor, very poor fluorescence.	
5'			Shale, blk, very calcareous, micaceous, verticle fracture.	
3'			Limestone, gray, slightly sacrosic, argillaceous, dense, micaceous, slight to fair fluorescence, very poor cut, faint odor on fresh break.	
2'			Limestone, gray to dark gray, dense, poor fluorescence, scattered anhydrite, nodules.	

FOLD OVER

OLD MARK

- 2.5' ... fluorescence,
- 3' ... limestone, gray, slightly succrosic, argillaceous, dense, micaceous, slight to fair fluorescence, very poor cut, faint odor on fresh break.
- 2' ... limestone, gray to dark gray, dense, poor fluorescence, scattered anhydrite inclusions.
- 4' ... anhydrite, gray to white with partings of dolomite, anhydrite, blk.
- 3.5' ... dolomite, dark gray, argillaceous becoming increasingly argillaceous at base, anhydrite inclusions, fossiliferous, faint odor on break, some very poor fluorescence.
- 2.5' ... dolomite as above, with more anhydrite inclusions, some very poor fluorescence, very slight cut.

HISTORY OF OIL OR GAS WELL

16-43004-2 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 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 balling.

- 1' ... dolomite, dark gray, argillaceous, succrosic, micaceous, possible trace of porosity.
- 6' ... anhydrite, gray white, streaks of argillaceous dolomite to dolomitic shale.

CASING RECORD

- 10' 5' ... well No. 3 from 5891-5306', recovery 50', formation Hemosa-lirador
- 10' 1' ... dolomite, brown-tan succrosic, shaly, micaceous due to oil stain, good odor, fair fluorescence and cut, slightly salty, very small pin point porosity, probably no permeability.
- 4' ... dolomite, as above, but more shaly, only fair stain & odor, poor old fluorescence & cut, less porous, less stain.
- 6' ... limestone, dark gray, blk, very shaly, micaceous, fossiliferous, tight, very poor fluorescence and cut. anhydrite (inclusions) of 5-59, carbonaceous, stylitic partings.
- 1' ... limestone, brown-gray, dense, sub-lithographic inclusions of anhydrite, fossiliferous, poor fluorescence, very poor cut.
- 2' ... limestone, dark gray, blk, shaly, fossiliferous, micaceous, trace anhydrite (inclusions) very poor old fluorescence and cut.
- 1' ... limestone, blk, very shaly, gradin to shale, calcareous, fossiliferous, very dense sub-lithographic with poor fluorescence and cut.
- 3' ... shale, blk, very calcareous, fossiliferous grading to limestone, very shaly.
- 5' ... limestone, blk, very shaly, grading to shale calcareous, fossiliferous, dense some very poor old fluorescence and cut, anhydrite inclusions.
- 2' ... shale, blk, very carbonaceous, micaceous, fossiliferous.
- 1' ... shale, blk, very calcareous, grading to limestone gray, very shaly, micaceous, fossiliferous.
- 10' ... limestone, blk, shaly, dense, sub-lithographic, micaceous, fossiliferous, very very poor fluorescence and cut, no visible porosity.
- 3' ... shale, blk, slightly calcareous, very carbonaceous, streaks, fossiliferous.
- 2' ... limestone, dark gray to blk, dense, tight horizontal fractures with fair stain & fluorescence along fractures slightly cut, shaly streaks at 5596.
- 1' ... limestone, dark gray-black, dense, tight, very very poor fluorescence and no cut, questionable mineral fluorescence.
- 1' ... shale, black, and very calcareous.
- 6' ... limestone, dark gray, succrosic, in upper 1' with mineral fluorescence and no cut, becoming dense in lower 5' with some carbonaceous material and siderites, tight, no show.
- 1' ... anhydrite, gray-white.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
MINERAL BUREAU

SUPERIOR OIL

RECEIVED
FEB 14 1984

February 9, 1984

DIVISION OF
OIL, GAS & MINING

Hal Balthrop
State of Utah
Oil, Gas & Mining
4241 State Office Bldg
Salt Lake City, Utah 84114

Re: Well Names
White Mesa/Gothic Mesa Units
San Juan County, Utah

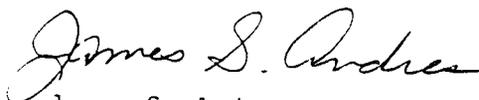
Dear Sir:

Superior Oil Company has recently purchased Southland Royalty's interest in the White Mesa and Gothic Mesa Units and as of February 1, 1984 has taken over as operator. As operator we are in the process of establishing a standard for naming future wells to be drilled. In order for this system to be consistent existing well names will need to be changed. It is proposed that a system be implemented where by a well is named according to the section and 1/4-1/4 section in which the well lies.

Unless additional information is required Superior Oil will begin using the well names as cross referenced on the following attachments one week from the above date.

Sincerely,

SUPERIOR OIL COMPANY



James S. Andres
Engineer

JSA/1h
Attach.

PROPOSED WELL NAMES WHITE MESA UNIT

WMU#	T R	Sec.	API	WMU#	T R	Sec.	API	WMU#	T R	Sec.	API
1	41S 24E	23-21	16000	39	42S 24E	33-21	15352	(78)	42S 24E	4-14	16448
2	"	23-41	16001	40	"	33-32	15352	(79)	"	4-34	16449
(3)	"	22-42	16437	41	"	34-12	15353	80	"	3-14	10254
(4)	"	22-32	15759	42	"	34-32	15354	81	"	3-34	10255
5	"	23-12	16002	43	"	35-12	15529	82	"	2-14	15537
6	"	23-32	16003	44	"	36-12	15530	(83)	"	10-41	16450
7	"	23-33	16004	45	"	35-23	15531	84	"	9-21	10250
8	"	23-23	16005	46	"	34-43	15355	85	"	8-41	15371
9	"	22-43	15760	(47)	"	34-23	16444	86	"	10-32	15372
(10)	"	22-23	16438	(48)	"	33-43	15356	87	"	11-11	10569
11	"	22-34	15761	(49)	"	33-23	16445	88	"	11-14	10570
12	"	23-14	16006	50	41S 24E	32-23	15357	89	"		
13	"	23-34	11208	51	"	32-14	10249	90	"		
(14)	"	27-41	16439	52	"	32-34	15358	91	"		
15	"	27-21	16254	53	"	33-14	10245	92	"		
(16)	"	28-41	16440	54	"	33-34	15359	93	"		
17	"	27-12	15345	55	"	34-14	15360	94	"		
18	"	27-32	15346	56	"	34-34	15361	95	"		
19	"	26-12	10563	57	"	35-14	15532	96	"		
20	"	25-23	10564	58	"	35-34	15533	97	"		
21	"	27-43	15347	59	42S 24E	1-41	NO API	98	"		
22	"	27-23	15348	(60)	42S 24E	2-21	15534	99	"		
23	"	27-13	10284	61	"	3-41	15362	100	"		
24	"	28-43	15349	(62)	"	3-21	15363	101	"		
25	"	28-23	10244	(63)	"	4-41	16446	102	"		
(26)	"	28-34	16441	64	"	4-21	15364	103	"		
27	"	27-14	10285	65	"	6-32	10257	104	"		
28	"	27-14A	11343	66	"	4-12	10255	105	"		
29	"	27-34	16255	(67)	"	4-32	15365	106	42S 24E	4-42	30078
30	"	26-14	10565	(68)	"	3-12	15366	107	41S 24E	34-24	30098
31	"	25-14	15525	69	"	3-32	15367	108	"	34-42	30102
32	"	25-34	10566	70	42S 24E	2-12	15535	109	42S 24E	4-33	30292
33	"	36-21	15526	71	"	2-32	15536	110	42S 24E	3-11	30293
34	"	35-41	15527	72	"	2-23	10568	111	"	3-22	30294
35	"	35-21	15528	73	"	3-43	15368	112	41S 24E	34-22	30295
(36)	"	34-41	16442	(74)	"	3-23	16447	113	"	34-33	30296
37	"	34-21	15350	(75)	"	4-43	15369	114	Proposed not drld	30329	
(38)	"	33-41	16443	76	"	4-23	15370	115	"	4-31	30330
39	"	33-21	15351	77	"	5-13	16223	116	41S 24E	35-13	30331