

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 9-22-47

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

GW _____ OS _____ PA

State of Fee Land _____

LOGS FILED

Derrick's Log

Electronic Logs (No) 1

E L _____ EI _____ GR _____ GR-N _____ Micro _____

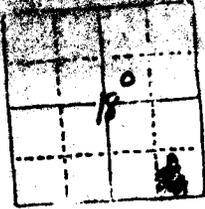
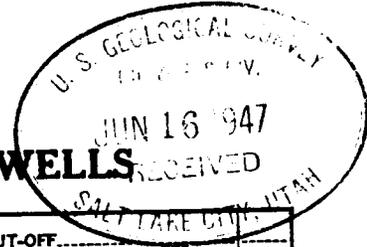
Lat _____ Mi-L _____ Sonic _____ Others _____

Land Office Salt Lake City
Lease No. 061996
Unit Vernal Area

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GENERAL FORM NO. 10 (REV. 1-25-40)
7-1-47



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.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<input type="checkbox"/>		

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

June 12, 1947

(Vernal Unit No. 2)

Well No. L-Kundson is located 1957 ft. from N line and 2133 ft. from E line of sec. 18

SW-NE 18

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

58

(Twp.)

21E

(Range)

S. 1.

(Meridian)

Utah

(State or Territory)

Wildcat

(Field)

Uintah

(County or Subdivision)

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

DETAILS OF WORK

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

It is proposed to drill this well to a total depth of approximately 6000' to test Tertiary sands. It is planned to set 500 feet of 16" surface casing and cement to surface. The oil string will consist of 7" casing run to total depth or through producing formation.

(SEE ATTACHED RIDER FOR APPROVAL)

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 2094

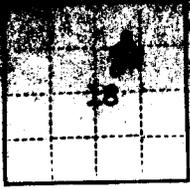
Billings, Montana

By C. L. Cookrey

Title Division Production Superintendent

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION BRANCH**

Sec. 18
T. 5 S.
R. 21 E.
S. L. Mer.
Ref. No. 4



INDIVIDUAL WELL RECORD

PUBLIC LAND:

Date July 1, 1947

Land office Salt Lake City State Utah
 Serial No. 064996 County Uintah
 Lessee The Carter Oil Company Field Vernal Unit Area
 Operator The Carter Oil Company District Salt Lake City
 (Knudson No. 1)
 Well No. Vernal Unit No. 2 Subdivision C SW 1/4 NE 1

Location 1957 ft. from N. line and 2133 ft. from E. line of sec. 18

Drilling approved July 1, 1947 Well elevation 5993 feet

Drilling commenced July 7, 1947 Total depth 6013 feet

Drilling ceased _____, 19____ Initial production _____

Completed for production _____, 19____ Gravity A. P. I. _____

Abandonment approved Jan. 30, 1948 Initial R. P. _____

Geologic Formations		Productive Horizons	
<i>Surface</i>	<i>Lowest tested</i>	<i>Name</i>	<i>Depths</i>

Duchesne River Up. Cret.

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1947							Drg	Drg	Drg	Drg	Abd	Abd
1948	P&A											

REMARKS (New-noncompetitive lease issued under sec. 17 of Act of August 21, 1935)

2 copies
ORIGINAL FORWARDED TO COMPANY 7-1-47

(SUBMIT IN TRIPPLICATE)

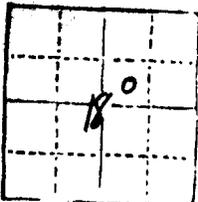
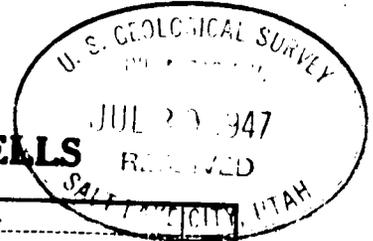
Land Office Salt Lake City

Lease No. 064996

Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUL 30 1947



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

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

July 12, 1947

Well No. 1 is located 1957 ft. from N line and 2133 ft. from E line of sec. 18

SW-NE 18
(1/4 Sec. and Sec. No.)

5S 21E
(Twp.) (Range)

(Meridian)

Wilcox
(Field)

Uinta
(County or Subdivision)

Utah
(State or Territory)

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

DETAILS OF WORK

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

Ran 452' (14 Jts.) of 16" O.D. 65# 8 V.T. H-40 Sals. csg. and set at 464'.
Cemented with 400 sacks; 15# slurry; Maximum pressure 350#; Good returns;
Completed 12:00 P.M., July 12, 1947.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER 061996
UNIT Vernal Area

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Vernal Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of July 1947

Agent's address Box 2094 Company The Carter Oil Company

Billings, Montana

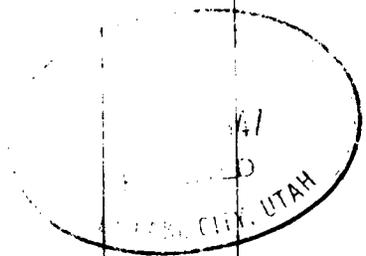
Signed C. J. Cooksey

Phone 4191

Agent's title Production Superintendent

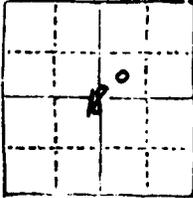
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW NE 18	5S	21E	1-Knudson							Drilling at 2669'.

AUG 4 1947



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 accordance with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



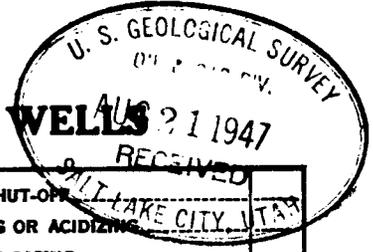
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

AUG 21 1947

Land Office Salt Lake City
Lease No. 64476
Unit Vertical Area

SUNDRY NOTICES AND REPORTS ON WELLS



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

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

August 18, 1947

(Unit No. 2)

Well No. Enudson #1 is located 1927 ft. from [N] line and 211 ft. from [E] line of sec. 18

C. 21 NE sec. 18 5 S 21 E 81M
(14 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the derrick floor above sea level is 5393 ft.

DETAILS OF WORK

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

EST #1

Total Depth	3812	Blow:	Air immediately
Packer Set	3716		Gas in 1 1/2 hours
Tool Open	5:00 P.M.	Shut-in time for	pressure build-up--15 min.
Tool Closed	7:00 P.M.	BHP	750#
Time Off Bot.	7:20 P.M.	BH choke	5/8 in.
Recovery:	200' oil cut mud 40' heavy, blk oil		

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 P. O. Box 2104

Billings, Montana

By [Signature]

Approved AUG 21 1947

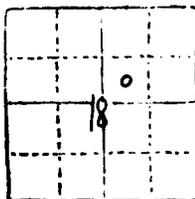
Title Geologist

[Signature]
District Engineer

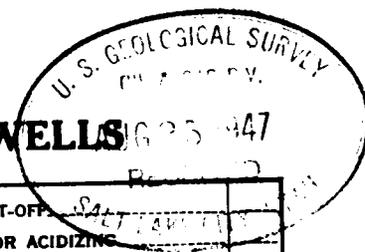
Land Office Salt Lake
Lease No. 064996
Unit Vernal Area

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS



NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF 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)

August 23, 19 47

(Unit #2)
Well No. Knudson #1 is located 1977 ft. from N line and 2133 ft. from E line of sec. 18
C SW NE 18 ES 21E S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5393 ft.

DETAILS OF WORK

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

Total Depth	4080	Blows:
Packer Set	4056	Air.....immediately
Tool Open	30 minutes	Gas.....none
Recovery:	240 feet of slightly gas-out mud.	Bot. Hole choke.....5/8"
		Shut-in Time.....none
		BHP.....not obtained

Light air blow immediately. Decreased steadily and died out in 15 minutes.

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 Billings, Montana

Approved AUG 28 1947

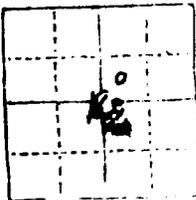
C. S. Suptman
District Engineer

By [Signature]
Title Geologist

DST # 2
17' gas sand
4060'
4077'

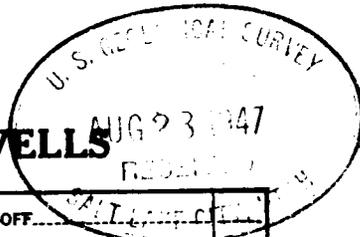
(SUBMIT IN TRIPPLICATE)

Land Office Salt Lake
Lease No. 044996
Unit Vernal Area



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEP 2 - 1947



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.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	Drill Stem Test.....

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

Well No. Kildest #1 is located 1997 ft. from [N] line and 2139 ft. from [E] line of sec. 18
August 26, 1947, 19____
C 5th NE 18 (4 Sec. and Sec. No.) 5 S (Twp.) 21 E (Range) SLM (Meridian)
Kildest (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5393 ft.

DETAILS OF WORK

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

D.S.T.
3

T. D. 4218 Packer Set....4206 Blew air immediately and decreased to very faint blow in five minutes. Barely detectable for 1 hr 15 minutes then died out completely.
 Fine Tool Open...1 hr. 30 min.
 Bot. Hole Pressure.....0
 Flowing pressure.....0
 Recovered.....30 feet slightly gas-cut mud.

42 11' S
42 16' S

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

Company The Garter Oil Company

Address Patterson Bldg.

Denver, Colorado

By Verne E. Farmer, Jr.

SEP 2 - 1947

Title Geologist

Costantini
District Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-23841
Approval expires 9-30-47.
LAND OFFICE Salt Lake City
LEASE NUMBER 064996
UNIT Vernal area

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Vernal area

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1947.

Agent's address Box 658

Denver, Colorado

Phone Keystone 4261

Company The Carter Oil

Signed [Signature]
Agent's title Production 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, state)	REMARKS (If drilling, depth; if shut down, cause, date and result of test for gasoline content of gas.)
SW-NE 18	58	21E	1	Knudson						TD 6012'. Getting ready to run 7" casing.

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.

Form 9-339
(May 1944)

(SUBMIT IN TRIPPLICATE)

Land Office Salt Lake

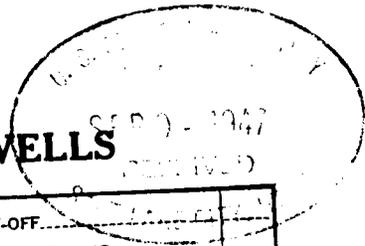
Lease No. 064006

Unit Vernal, Utah Area

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS



NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
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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.....	Drill Stem Test

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

September 8, 1947

Well Newton #1 is located 1057 ft. from N line and 2158 ft. from W line of sec. 18

36 N 18 E (1/4 Sec. and Sec. No.) 36 (Twp.) 31E (Range) 31M (Meridian)

Wilcox (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5593 ft.

DETAILS OF WORK

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

Total Depth 4800

Packer Set 4774

Tool Open 1 1/2 Hours

Recovery: 210 feet heavily oil and gas cut mud with thick column of green oil at top of column.

Blow
Air.....immediately (light)
Gas.....none

Shut-in time.....15 min.

S.N.P.not obtained.

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 Patterson Building

Denver, Colorado

Approved SEP 10 1947

C. Hauptman
District Engineer

Vernon E. Farmer, Jr.
Vernon E. Farmer, Jr.

Title Geologist

Form 9-331a
(March 1942)

Land Office Salt Lake
Lease No. 064996
Unit Vernal Area

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



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUBSEQUENT WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	Drill Stem Test	

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

September 8, 1947

1947

Well No. Knudson #1 is located 957 ft. from N line and 2133 ft. from E line of sec. 18

SW NE 18 (4 Sec. and Sec. No.)
T. 8 S. (Twp.)
R. 21 E. (Range)
Six (Meridian)
Wilcox (Field)
Uintah (County or Subdivision)
Utah (State or Territory)

The elevation of the derrick floor above sea level is 6393 ft.

DETAILS OF WORK

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

Total Depth 4872
Packer Set 4849
Tool Open 1 Hour
Blow:
 Air immediately
 No gas

B. H. choke.....5/8"
Shut-in time.....15 minutes
B. H. P.not obtained

Recovery: 75 feet heavily oil and gas out mud.

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 Patterson Bldg.

Denver, Colorado

Approved SEP 10 1947

C. Staupman

Vern E. Farmer, Jr.
Vern E. Farmer, Jr.

Title Geologist

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

Land Office **Salt Lake**
Lease No **064896**
Unit **Vernal Area**

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

September 18, 1947

Well No. **Knudson #1** is located **1957** ft. from **N** line and **2133** ft. from **E** line of sec. **18**

SW NE 18 **58** **21E** **SLM**
(4 Sec. and Sec. No.) (Twp) (Range) Meridian

Wildcat **Uintah** **Utah**
(Field) County or Subdivision (State or Territory)

The elevation of the derrick floor above sea level is **5393** ft.

DETAILS OF WORK

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

T.D. 5523 **Blow.....**
Packer Set @ 5476 **air immediately**
Tool Open 1 Hour **00 gas**
Shut-in time - 15 min. **moderate blow immediately decreasing**
Shut-in pressure - 1300# **after 40 minutes.**

Recovery: 1350 feet of mud and gas out salt water.

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 Co.**
Address **Patterson Bldg.**
Denver, Colorado

Vernon E. Farnor, Jr.
Vernon E. Farnor, Jr.
Title **Geologist**

Approved **SEP 22 1947**
C. Hauptman

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake**
Lease No. **064996**
Unit **Vernal Area**

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.....	Drill Stem Test

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

September 19 19 47

Well No. **Knudson 1** is located **1957** ft. from **N** line and **2133** ft. from **E** line of sec. **18**

SW NE 18 **6S** **21E** **SLM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat **Uintah** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5393** ft.

DETAILS OF WORK

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

T. D. 5588 Blow
Packer Set @ 5546 Air.....immediately
Gas.....none
Tool Open 1 Hour
Shut-in Time - 15 min. Moderately heavy blow increasing for
Shut-in Pressure - 2200# first ten minutes then steady for
duration of test.

Recovery: 1470 feet of mud and gas out salt water

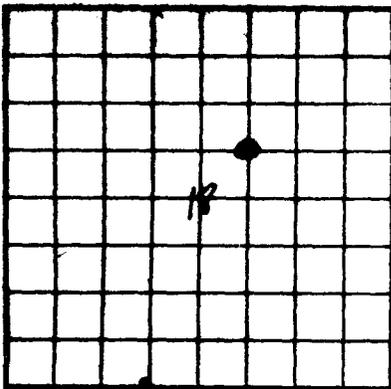
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Carter Oil Company**
Address **Patterson Bldg.**
Denver, Colorado

Samuel E. Carter, Jr.

Title **Geologist**

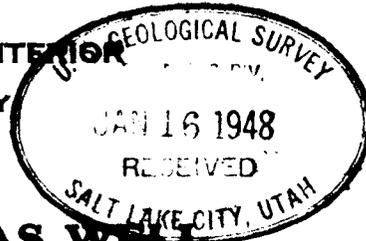
C. Hauptman



LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER Salt Lake City
LEASE OR PERMIT TO PRODUCE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company The Gertler Oil Company Address Denver, Colorado
Lessor or Tract _____ Field _____ State _____
Well No. Alfreda Knudson Meridian Wildcat County Utah
Location 1 ft. 18 of 68 Line and 21E of 21E of 31M Elevation _____
1907 (S) 21E (W) sec 18

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 [Signature]
Title Geologist

Date January 10, 1948
The summary on this page is for the condition of the well at above date.

Commenced drilling July 7, 1947 Finished drilling September 27, 1947
47 shows
OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3720 to 4080 No. 4, from _____ to _____
No. 2, from 4780 to 4810 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	Out and pulled from	Perforated		Purpose
							From—	To—	
7"	204	11	Bath's	4255'	LOCKING	4058'	4062'	test	
						3880'	3880'		
						3435'	3435'		

16"	445'	300	Halliburton					
7"	435'	300						

PLUGS AND ADAPTERS
Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

FOLD MARK

16"	445'	300	Halliburton
7"	4135'	300	"

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Time	Shot used	Explosive used	Depth	Remarks

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 _____, Driller

FORMATION RECORD

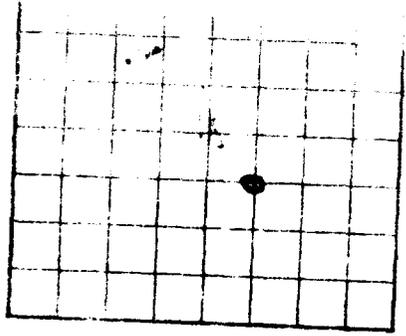
FROM—	TO—	TOTAL FEET	FORMATION
20	50	30	Siltstone and Shale, red to brown, sandy.
50	90	40	Sandstone, gray to yellow and brown, fine to medium grained. Grades downward into gray conglomerate containing fragments of chert, sandstone, quartzite, and clear quartz.
90	400	310	Siltstone, mostly maroon, some green and mottled bluish-gray, sandy. Some breaks of gray to buff and red, fine to medium grained cherty sandstone.
400	500	100	Conglomerate, variegated; contains fragments of gray to red chert, quartz, quartzite, and gray limestone. Upper 20 feet primarily red sandstone.
500	700	200	Siltstone, bluish-gray to drab and brown; some mottling. Few brown and yellow chert fragments. Lower 70 feet very sandy and calcareous with occasional clay partings.
700	720	20	Conglomerate (ditto 400-500)
720	750	30	Sandstone, gray to white, very fine grained, calcareous. Some chert pebbles.
750	820	70	Siltstone and Clay, greenish-gray to red and brown. Slightly sandy and very calcareous. Some yellow to dark brown chert. Some rich greenish and some black mottled in gray siltstone.
820	830	10	Conglomerate, (ditto 400-500)
FROM	TO	TOTAL FEET	FORMATION

FROM	TO	TOTAL FEET	FORMATION
880	1120	240	Shale and clay, variegated, mostly gray and some green and brown. Some sandy and cherty. Calcareous. Few very thin sand breaks throughout interval. Some unidentified black, fibrous carbonaceous(?) material at 1080.
1120	1180	70	Conglomerate, gray with some varicolored chert, quartz, quartzite and limestone fragments.
1180	1455	265	Brown interbedded clay and sand between 1150. Clay and siltstone, reddish-brown and gray. Slightly sandy. Calcareous. Some white, pink and yellow chert grains. Trace pyrite and gypsum.
1455	1470	15	Sandstone, white, pearly-sorted, fine to coarse grained quartz. Limy and conglomeratic. Much gray to black chert and a few limestone fragments. Thin shale break at 1460'.
1470	1605	135	Clay, reddish-brown to gray and variegated. Slightly limy. Trace chert and pyrite.
1605	1615	10	Conglomerate, mostly varicolored chert, some clear quartz, quartzite, and white quartz sandstone. Some pyrite associated with sandstone.
1615	1645	30	Clay, (ditto 1470-1605)
1645	1950	305	Conglomerate, mostly white, gray and black chert. Some clear quartz, quartzite, and gray sandstone with trace of gray limestone. Much pyrite associated with sandstone. Some breaks of red and gray shale and fine sandstone throughout the interval.
1950	2580	630	Siltstone and Shale, maroon to grayish-green. Sandy in spots. Slightly limy. Few chert fragments and trace pyrite. Thin sandstones at 2360 and 2440.
2580	2620	40	Sandstone, gray, fine-grained, tight, silty. Some hard, gray, limestone, chert, and pyrite.
2620	2880	260	Siltstone and Shale, reddish-brown to green. Some variegated. Limy and slightly sandy. Some limestone and pyrite. Trace oolite and gypsum.
2880	3035	155	Conglomerate, contains gray to black chert with some quartz, quartzite, and gray limestone. Grades downward into grayish-green, medium-grained silty sandstone.
3035	3045	10	Conglomerate, (ditto above)
3045	3480	435	Sandstone and Shale, interbedded fine to medium gray sandstones and green to maroon sandy shale. Trace gypsum and pyrite.
3480	3495	15	Conglomerate, (ditto 3035-45)
3495	3760	265	Siltstone and Shale, mostly red and pale green. Some quartz, chert and limestone fragments. Numerous thin sand breaks. Shale saturated.
3760	3885	125	Shale, reddish-brown, slightly sandy. Some thin sand breaks. Trace oolite near base.
3885	3895	10	Sandstone, medium to coarse grained quartz, heavily saturated.
3895	4060	165	Siltstone and Shale, (ditto 3495-3760)
4060	4080	20	3890-38 Very sandy. Sandstone, medium to coarse grained with green shale saturated.

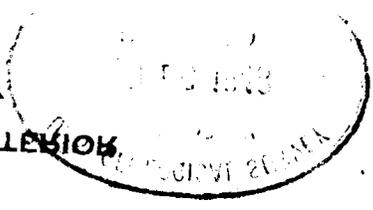
4080	4175	95	Siltstone and Shale, red and gray-green, some sandy. Some thin sand breaks w/ trace of oil stain.
4175	4190	15	Limestone, gray to pale brown, very dense. Some finely crystalline.
4190	4325	135	

4080 4080 20
 Siltstone and Shale, (ditto 3495-3700)
 3950-35 Very sandy.
 Sandstone, medium to coarse grained with green
 by satur

4080	4175	25	Siltstone and Shale, red and gray-green, very sandy. Some thin sand breaks w/ trace of oil stain.
4175	4190	15	Limestone, gray to pale brown, very dense. Some finely crystalline.
4190	4225	135	Shale and Sandstone, alternating gray, fine to medium grained quartz sands and gray and maroon sandy shales.
4225	4265	280	Shale, black carbonaceous, with some olive green. Some black very fossiliferous. Some thin sands in interval.
4265	4415	10	Limestone, gray to blue, mottled, finely crystalline. Very fossiliferous. Trace calcite.
4415	4455	70	Shale and siltstone, maroon to gray and black, fossiliferous; some green. Much biotite, black chert and pyrite. Siliceous.
4455	4585	5	Shale, variegated, sandy.
4495	4595	10	Unidentified hydrocarbon, dull, brownish-black, massive and hard. Occ in 6 ft.
4595	4700	5	Shale, gray to black, sandy.
4700	4770	70	Sandstone, gray, fine to medium grained, poorly sorted quartz. Slightly calcareous. Heavily saturated.
4770	4780	10	Shale (ditto 4700-70)
4780	4800	20	Sandstone, (ditto 4770 - 80)
4800	4810	10	Shale, gray to black, sandy, fossiliferous
4810	5150	540	Some breaks of gray, fine-grained, calcareous, quartz sandstone.
5150	5015	565	Sandstone, gray, medium to coarse grained, poorly-sorted, quartz. Very abundant black chert grains. Slightly calcareous in part. Much coal associated with sandstone as thin seams ranging from microscopic to 1/4 inch in thickness. Numerous breaks of black, carbonaceous shale up to 5' thick. Small amounts of gray, yellow, maroon, and drab sandy shales.



GEOLOGICAL SURVEY
 DEPARTMENT OF THE INTERIOR
 UNITED STATES



FORM OF BUREAU OF GEOLOGY
 SERIAL NUMBER
 U.S. GEOLOGICAL SURVEY

(COPY)

The Carter Oil Co. Well No. 1 Knudson, Vernal, Uintah County, Utah.
C SW 1/4 sec. 18, T. 5 S., R. 21 E., S.L.M. Elevation 5393.

Commenced drilling July 7, 1947
Finished drilling September 27, 1947

<u>From</u>	<u>To</u>	<u>Total Feet</u>	<u>Formation</u>
20	50	30	<u>Siltstone and Shale</u> , red to brown, sandy.
50	90	40	<u>Sandstone</u> , gray to yellow and brown, fine to medium grained. Grades downward into gray conglomerate containing fragments of chert, sandstone, quartzite, and clear quartz.
90	400	310	<u>Siltstone</u> , mostly maroon, some green and mottled bluish-gray, sandy. Some breaks of gray to buff and red, fine to medium grained cherty sandstone.
400	500	100	<u>Conglomerate</u> , variegated; contains fragments of gray to red chert, quartz, quartzite, and gray limestone. Upper 20 feet primarily red sandstone.
500	700	200	<u>Siltstone</u> , bluish-gray to drab and brown; some mottling. Few brown and yellow chert fragments. Lower 70 feet very sandy and calcareous, with occasional clay partings.
700	720	20	<u>Conglomerate</u> (ditto 400-500)
720	750	30	<u>Sandstone</u> , gray to white, very fine grained, calcareous. Some chert pebbles.
750	820	70	<u>Siltstone and Clay</u> , greenish-gray to red and brown. Slightly sandy and very calcareous. Some yellow to dark brown chert. Much flaky magnetite and some biotite imbedded in gray siltstone.
820	830	10	<u>Conglomerate</u> , (ditto 400-500)
830	1120	290	<u>Shale and clay</u> , variegated, mostly gray and red, some green and brown. Some sandy and cherty. Calcareous. Few very thin sand breaks throughout interval. Some unidentified black, fibrous carbonaceous(?) material at 1080.
1120	1190	70	<u>Conglomerate</u> , gray with some varicolored chert, quartz, quartzite and limestone fragments. Brown interbedded clay and sand between 1150-70
1190	1455	265	<u>Clay and Siltstone</u> , reddish-brown and gray. Slightly sandy. Calcareous. Some white, pink, and yellow chert grains. Trace pyrite and gypsum.
1455	1470	15	<u>Sandstone</u> , white, poorly-sorted, fine to coarse grained quartz. Limy and conglomeratic. Much gray to black chert and a few limestone frags. Thin shale break at 1460'.
1470	1605	135	<u>Clay</u> , reddish-brown to gray and variegated. Slightly limy. Trace chert and pyrite.
1605	1615	10	<u>Conglomerate</u> , mostly vari-colored chert, some clear quartz, quartzite, and white quartz sandstone. Some pyrite associated with sandstone.
1615	1645	35	<u>Clay</u> , (ditto 1470-1605)

<u>From</u>	<u>To</u>	<u>Total Feet</u>	<u>Formation</u>
1645	1950	305	<u>Conglomerate</u> , mostly white, gray and black chert. Some clear quartz, quartzite, and gray sandstone with trace of gray limestone. Much pyrite associated with sandstone. Some breaks of red and gray shale and fine sandstone throughout the interval.
1950	2580	630	<u>Siltstone and Shale</u> , maroon to grayish-green. Sandy in spots. Slightly limy. Few chert fragments and trace pyrite. Thin sandstones at 2360 and 2440.
2580	2620	40	<u>Sandstone</u> , gray, fine-grained, tight, silty. Some hard, gray, limestone, chert, and pyrite.
2620	2880	260	<u>Siltstone and Shale</u> , reddish-brown to green, some variegated. Limy and slightly sandy. Some limestone and pyrite. Trace oolite and gypsum.
2880	3035	155	<u>Conglomerate</u> , contains gray to black chert with some quartz, quartzite, and gray limestone. Grades downward into grayish-green, medium-grained silty sandstone.
3035	3045	10	<u>Conglomerate</u> , (ditto above)
3045	3480	435	<u>Sandstone and Shale</u> , interbedded fine to medium gray sandstones and green to maroon sandy shale. Trace gypsum and pyrite.
3480	3495	15	<u>Conglomerate</u> , (ditto 3035-45)
3495	3760	265	<u>Siltstone and Shale</u> , mostly red and pale green. Some quartz, chert and limestone fragments. Numerous thin sand breaks. See 3737 saturated. Shale, reddish-brown, slightly sandy. Some thin sand breaks. Trace oolite near base.
3760	3885	125	<u>Sandstone</u> , medium to coarse grained quartz. Fairly heavily saturated.
3885	3895	10 ✓	<u>Siltstone and Shale</u> , (ditto 3495-3760) 3860-85 very sandy.
3895	4060	165	<u>Sandstone</u> , medium to coarse grained with green clay inclusions. Heavily saturated.
4060	4080	20 ✓	<u>Siltstone and Shale</u> , red and gray-green, some sandy. Some thin sand breaks w/ trace of oil stain.
4080	4175	95	<u>Limestone</u> , gray to pale brown, very dense. Some finely crystalline.
4175	4190	15	<u>Shale and Sandstone</u> , alternating gray, fine to medium grained quartz sands and gray and maroon sandy shales.
4190	4325	135	<u>Shale</u> , black carbonaceous, with some olive drab. Some black very fossiliferous. Some thin sands in interval.
4325	4605	280	<u>Limestone</u> , gray to blue, mottled, finely crystalline. Very fossiliferous. Trace oolite.
4605	4615	10	<u>Shale and Siltstone</u> , maroon to gray and black, fossiliferous; some green. Much biotite, black chert and pyrite.
4615	4685	70	<u>Gilsonite</u>
4680	4685	5	<u>Shale</u> , variegated, sandy.

<u>From</u>	<u>To</u>	<u>Total Feet</u>	<u>Formation</u>
4695	4700	5	<u>Unidentified Hydrocarbon</u> , dull, brownish-black, massive and soft. Cuts in C Cl ₄ ✓
4700	4770	70	<u>Shale</u> , gray to black, sandy.
4770	4780	10 ✓	<u>Sandstone</u> , gray, fine to medium grained, poorly sorted quartz. Slightly calcareous. Heavily saturated. ✓
4780	4800	20	<u>Shale</u> (ditto 4700-70)
4800	4810	10 ✓	<u>Sandstone</u> , (ditto 4770 - 80) ✓
4810	5150	340	<u>Shale</u> , gray to black, sandy, fossiliferous. Some breaks of gray, fine-grained, calcareous, quartz sandstone.
5150	6013	863	<u>Sandstone</u> , gray, medium to coarse grained, poorly-sorted, quartz. Very abundant black chert grains. Slightly conglomeratic in part. Much coal associated with sandstone as thin seams ranging from microscopic to 1/4 inch in thickness. Numerous breaks of black, carbonaceous shale up to 5' thick. Small amounts of gray, yellow, maroon, and drab sandy shales.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake

Lease No. 064996

Unit Vernal Area

OCT 6 1947

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

October ?

~~September 6~~ 19 47

Well No. Knudson #8 located 1957 ft. from N line and 2133 ft. from W line of sec. 18

3N 18
(Twp. and Sec. No.)

58
(Twp.)

21E
(Range)

31M
(Meridian)

Tildoot
(Field)

Uintah
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 5303 ft.

DETAILS OF WORK

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

Set 7" O.D. 23 lb/ft., 8 Round Thread. J55 and N80 casing @ 4134'
and cemented w/ 300 sacks. Circulation at all times. Pumped
plug at 4097'. Max pressure 300 lbs.

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 Patterson Building
Denver, Colorado

By J. L. Grimes
Title Development Foreman

Castro
OCT 6 1947



(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. 061996

Unit Vernal area

OCT 10 1947

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

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

October 7, 1947

Well No. 1 is located 1957 ft. from N line and 2133 ft. from E line of sec. 18

SE-18
(4 Sec. and Sec. No.)

52
(Twp)

21E
(Range)

81M
(Meridian)

Wildcat
(Field)

Uinta
(County or Subdivision)

Utah
(State or Territory)

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

DETAILS OF WORK

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

TD 6012'. Ran 83 joints of J-55 2 3/4" and 11 joints N-80 2 3/4" 7" O.D. casing and cemented at 4134' with 300 sacks cement. Good returns. Job completed 11:30 A.M. 10-4-47.

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 658

Denver, Colorado

OCT 17 1947

C. Stappman

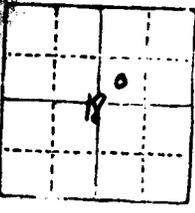
By C. F. Coakley

Title Production Superintendent

Land Office Salt Lake
Lease No. 241994
Unit Vernal Area

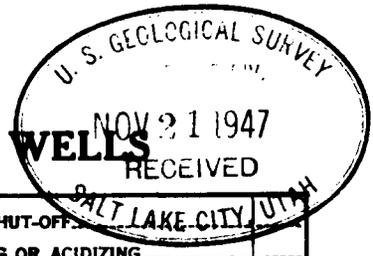
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



NOV 21 1947

SUNDRY NOTICES AND REPORTS ON WELLS



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

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

November 18, 1947

Well No. Anderson #1 is located 1957 ft. from N line and 2137 ft. from E line of sec. 18

24-22-18 (Twp.) 24 (Range) 21E (Meridian)

Utah (Field) Utah (County or Subdivision) Utah (State or Territory)

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

DETAILS OF WORK

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

It is proposed to abandon this well which has been thoroughly tested as described in a letter being submitted under separate cover. Plugging will consist of a 150 ft. cement plug immediately above the PSTD of 3765; 40 sacks of cement at the bottom of surface pipe; and 15 sacks in the top of well.

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 180

Denver, Colorado

By C. L. Cooksey
Production Superintendent

Title.....

Approved NOV 21 1947
C. Hauptmann
District Engineer

①

THE CARTER OIL COMPANY
DENVER 1, COLORADO

November 18, 1947

POST OFFICE BOX 120

*Copy to Cooper
11-21-47*

Mr. C. A. Hauptman
U. S. Dept. of the Interior
Geological Survey
Salt Lake City, Utah



Dear Sir:

Our Subsequent Report of Altering Casing at the Alfreda Knudson No. 1, C-SW-NE Section 18-5S-21E, Uinta County, Utah, was submitted on October 17, 1947. Subsequent testing is as follows:

1. Perforated 4058-4082' with 96 shots. Ran tubing with packer at 4050' and exhausted mud, by swabbing, in 11 hours. The swab was then run at 2-hour intervals, recovering approximately $\frac{1}{2}$ barrel of water per hour with a slight scum of heavy dark oil. A total of 9 barrels was recovered. The perforations were then cemented by displacing 20 sacks of cement through tubing.

2. Perforated 3880-92' with 42 shots. With a fluid level at 1800', swabbed water with no trace of oil or gas at the rate of 10 barrels per hour. Squeezed perforations with five sacks cement with 2800# pressure.

3. Perforated 3835-3852' with 63 shots. Swabbed 10 barrels fresh water per hour with no trace of oil or gas and with fluid level standing at 3000'. Swabbed a total of 22 hours. Spotted 7 sacks cement 3817-3852'. After 12 hours, checked and found no cement in casing. Set retainer at 3825' and squeezed 5 sacks cement with 2200#.

4. Perforated 3790-3812' with 84 shots. With packer on tubing at 3771', swabbed 10 barrels water per hour for 10 hours with fluid level standing at 2000'. No shows of oil or gas. Squeezed perforations with 50 sacks below retainer at 3764', maximum pressure 3200#.

5. Perforated 3740-50' with 42 shots. With packer on tubing at 3723' swabbed 8 barrels per hour of muddy fresh water for $\frac{3}{4}$ hours, with fluid level standing approximately 1000' above bottom. Squeezed perforations with 50 sacks below retainer at 3735'.

Has

6. Perforated 3718-30' with 48 holes. With packer on tubing at 3704' swabbed 7 barrels per hour fresh water with scum of oil for 39 hours. Sand content decreased from 18% to 6%. Squeezed perforations with 70 sacks cement below retainer set at 3708'. Maximum pressure 3400#.

Mr. C. A. Hauptman

Page 2

November 18, 1947

7. Drilled out retainers and cement to 3760 and reperforated 3718-3730' and 3735-3750' with 4 shots per foot. With packer on tubing at 3709' swabbed water with a scum of oil for a total of 33 hours, sand content $1\frac{1}{2}$ to 2%, at the rate of $8\frac{1}{2}$ barrels per hour. A total of 13 gallons of oil was collected from the top two zones perforated.

8. Drilled out cement and retainers to 3825' and swabbed to test plug before perforating. Plug was found to be leaking and a cement plug was spotted 3768-3828' after attempts to squeeze were unsuccessful due to two retainer failures. Drilled out cement to 3813' and reperforated 3790-3812' with 24 holes. With packer at 3770' swabbed tubing dry and tested dry for 8 hours.

9. Spotted cement plug 3757-3813'. Set retainer at 3734' and broke circulation between perforations 3740-50' and 3718-30'. Set retainer at 3698', broke formation down to 3400# and squeezed 40 sacks cement below retainer with final pressure of 4800#. Drilled out cement to 3733' and re-perforated 3718-30' with 63 holes. Swabbed dry in 2 hours and reamed dry for 9 hours. Fluid then started in hole. Swabbed total of 2 barrels muddy water in 27 hours with trace of gas, obtaining no fluid during last 10 hours.

10. Drilled out cement to 3765' and perforated 3740-50' with 57 holes. Swabbed dry for 9 hours.

11. Shot with 45 quarts 3740-50', 8 quarts (stringer) 3730-40', and 55 quarts 3718-30'. After cleaning out to FBTD 3765', swabbed 2 gallons muddy water cut with oil in 22 hours. Recovered trace of gas on each swab and an occasional very small amount of oil cut muddy water.

Notice of Intention to Abandon this well is being submitted on the required form. We trust the above information on testing of this well will meet with your satisfaction.

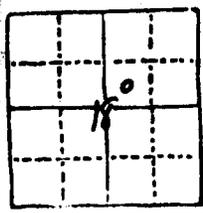
Very truly yours,

C. L. Cooksey
C. L. Cooksey

EAP:mg

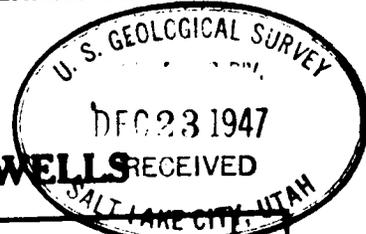
(SUBMIT IN TRIPLICATE)

Land Office Salt Lake
Lease No. 041976
Unit Yarnal Area



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FEB 3 1948



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	<input checked="" type="checkbox"/>
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 18, 1947

(Unit No. 2)
Well No. Emdson #1 is located 1957 ft. from N line and 2133 ft. from E line of sec. 18

58-22-18 (Twp.) 58 (Range) S. 1/4 M. (Meridian)
Wildcat (Field) Utah (County or Subdivision) Utah (State or Territory)

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

DETAILS OF WORK

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

A thirty sack cement plug placed at 3765' to 3615'. Recovered 803' of 7" casing. Heavy mud from 3615' to 465'. 40 sacks cement from 465' to 415'. Mud 415' to 25'. Cement from 25' to bottom of cellar. 1/2" marker cemented in bottom of cellar, extending 4' above ground level. Cellar and reserve pits filled and location leveled to approximate original condition.

~~(Inspected by District Engineer Jan 30, 1948 and found to be satisfactory)~~

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 120
Denver 1, Colorado

Approved JAN 30 1948
C. L. Coursey
District Engineer

By COPY ORIGINAL SIGNED C. L. COURSEY

Title Division Production Superintendent