

All information obtained by our USGS.

FILE NO. _____

Entered in NID File _____

Entered on S R Sheet _____

Location Map Pinned _____

Card Indexed _____

I W R for State or Fee Land _____

Checked by Chief _____

Copy NID to Field Office _____

Approval Letter _____

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 10-4-52

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

GW _____ OS _____ PA

State of Fee Land _____

LOGS FILED

we got copy of
Driller's Log 10-10-61

Electric Logs (No.) 1

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

Lat _____ Mi-L _____ Sonic _____ Others Directional log

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Land and Survey Office
Salt Lake City, Utah

Salt Lake 068840
GH

January 27, 1950



DECISION

Assignor: Jean B. Wright
207 Road Block
Cheyenne, Wyoming.

Oil and Gas

Assignee: The Carter Oil Company
PO Box 801
Tulsa, Oklahoma

Assignment
Filed: March 25, 1949.

Assignment Approved

068840

The above-captioned assignment of noncompetitive oil and gas lease is hereby approved effective on the first day of the lease month following the date of its filing.

The lease account is in good standing. Acceptable evidence of the qualifications and holdings of the assignee under the Mineral Leasing Act, as amended, has been filed. The showing as to overriding royalties and payments out of production conforms to the regulations.

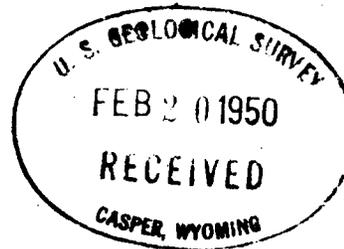
The assignment embraces all of the lands in the lease.

The assignor reserves 1/8 overriding royalty.

Ernest L. House
Manager

Copy to: RA
GAO
GATS - 3

Form No. 4-534b
(Rev. Aug. 1948)
42878



Salt Lake City

(SUBMIT IN TRIPPLICATE)

Land Office 068640

Lease No. _____

Unit Strawberry Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 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)

Denver, Colorado, _____, 19 52

Strawberry Unit-Union No. 1

Well No. _____ is located 525 ft. from S line and 405 ft. from W line of sec. 35

SW SW Section 35 T. 3 S., R. 11 W. Uintah Special
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the derrick floor above sea level is 7700 ft. - Subject to final check.

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)

Location will be surveyed in more accurately when section corner can be located.

This is an exploratory well to be drilled with rotary tools in search of oil and/or gas, and will test the Wasatch formation. Estimated T.D., 7000' to 8800'. 2 1/2" hole will be drilled to land 20" conductor pipe at 50' to 100'. 17-1/4" hole will be drilled to run and cement 13-3/8" surface casing at approximately 1200' cemented solid to the surface. 12-1/4" hole will be drilled to approximately 4000' to run and cement 9-5/8" intermediate string if required. Thereafter, 8-1/2" hole will be drilled to T.D. to run and cement 7" XL production string.

(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 Union Oil Company of California

Address 444 Sherman Street

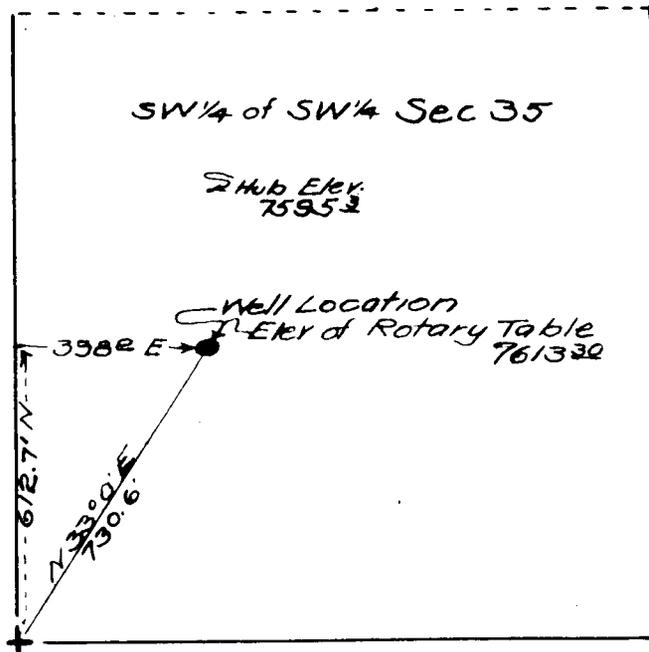
Denver 9, Colorado

By E. P. Gallant

E. P. Gallant
Title Manager, Field Operations

PLAT SHOWING LOCATION
OF UNION OIL COMPANY WELL IN THE SOUTHWEST QUARTER OF
SOUTHWEST QUARTER SECTION 35 TOWNSHIP 3 SOUTH, RANGE 11
WEST UINTAH SPECIAL MERIDIAN

Scale 1" = 400 Feet



I, Leon P. Christensen of Vernal, Utah do hereby certify that this plat correctly shows the location of the well shown hereon as surveyed by me on May 24, 1952; that said well is located at a point 612.7 feet North and 398.0 feet East of the southwest corner section 35 Township 3 South, Range 11 West Uintah Special Base and Meridian. The levels shown hereon were run from the northwest corner section 26 above township and range. The elevation of said corner as shown on the U.S.G.S. Strawberry Quadrangle sheet is 7591.

Leon P. Christensen



ORIGINAL FORWARDED TO CASPER



CONSERVATION DIVISION
FEB 11 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Washington 25, D. C.

Salt Lake City
068640
068641
068642
068643
068644

February 6, 1952

MAY 7 - 1952

DECISION

The Carter Oil Company

Oil

RECEIVED
MAR - 7 1952
U.S. GEOLOGICAL SURVEY
CASPER WYOMING

Leases Reissued

Reference is made to oil and gas leases Salt Lake City 068640, 068642 and 068643 dated January 1, 1949, and 068641 and 068644 dated November 1, 1948, all issued under the noncompetitive provisions of the mineral leasing act of February 25, 1920 (41 Stat. 437), as amended. Subsequent to the issuance of these leases assignments thereof to The Carter Oil Company were approved and the leases have been made subject to the unit agreement for the Strawberry Reservoir Unit Area approved January 12, 1949, effective the same date. All of the lands involved were withdrawn under the Reclamation Act of June 17, 1902 (32 Stat. 388) for the Strawberry Valley Project.

Since issuance of the leases, the question was raised as to whether the lands therein which were purchased for the benefit of the owners of lands irrigated by the Strawberry Reservoir under authority of the Act of April 4, 1910 (36 Stat. 285), were properly leasable under the mineral leasing act of February 25, 1920. A review of the status of the lands involved discloses the following information:

The act of March 3, 1905 (33 Stat. 1069), provides that the unallotted lands in the Uintah Indian Reservation in Utah opened to settlement and entry under the act which remain undisposed of at the expiration of five years from the effective date of the Act shall be disposed of for cash under rules and regulations prescribed by the Secretary of the Interior and the proceeds of the sale shall be applied as provided by the Act of May 27, 1902 (32 Stat. 263), and acts amendatory or supplemental thereto. The act of March 3, 1905, further provides that before opening such lands to entry and settlement, the President may reserve any reservoir site or other lands necessary to conserve and protect the water supply for the Indians or for general agricultural development. Under authority of the above mentioned act of 1905, all lands embraced in the five oil and gas leases described above were with other lands withdrawn for a reservoir site by proclamation of August 3, 1905 (34 Stat. 3141, 3142).

By the Act of April 4, 1910 (36 Stat. 285), the Secretary was authorized to purchase in connection with the Strawberry Valley Project certain lands in the former Uintah Indian Reservation in Utah which were set apart by the President for reservoir and other purposes and which were



Salt Lake City 068640, etc.
M:FKS

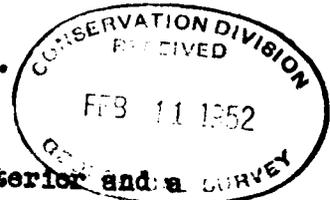
withdrawn by the Secretary for irrigation works under the Reclamation Act in connection with the reservoir for the Strawberry Valley Project. It was also provided by this act that all right, title and interest of the Indians in the land so purchased was thereby extinguished and the title should pass to the owners of lands irrigated from the reclamation project.

On September 28, 1926, a contract was entered into between the United States and the Strawberry Water Users' Association whereby the Association took over the care, operation and maintenance of the Strawberry Valley Project as to the lands purchased under the Act of April 4, 1910, supra, with the understanding that the title, management and control of the purchased lands was not to pass to the Association until at least 51% of the cost of construction of the project was paid to the United States. This contract was modified on November 20, 1928, to provide that the management and control, but not the title to the purchased lands, shall be transferred to the Strawberry Water Users' Association. By a contract dated October 9, 1940, between the same parties it was provided that notwithstanding the provisions of the above mentioned Act of April 4, 1910, title to the lands covered by the contract of September 28, 1926, as well as title to all works and property thereon which have been transferred to the Strawberry Water Users' Association for its care, operation and maintenance shall be in and remain in the name of the United States until otherwise provided by Congress.

The lands purchased for protection of the watershed of the Strawberry Reservoir under authority of the act of April 4, 1910, supra, and which are covered by the above mentioned contracts include all of the lands in the five oil and gas leases referred to above with the exception of all Sections 13 and 24, T. 4 S., R. 11 W. in lease 068643, and all Sections 14, 23 and 26, T. 4 S., R. 11 W. in lease 068644.

On December 7, 1950, the Solicitor rendered an opinion (M-36051) to the effect that the watershed lands included in these leases were not properly subject to leasing under either the mineral leasing act of February 25, 1920, or Acquired Lands Act of August 7, 1947, but that such lands were subject to mineral leasing by the Strawberry Water Users' Association pursuant to its contract of October 9, 1940. It appeared, however, that the Association on April 26, 1950, approved and ratified the five leases insofar as they included watershed lands, subject to the condition that the rentals and royalties received from the leases with respect to those lands be credited or paid to the Association in conformity with the 1910 act and as provided by subsection 1 of the Fact Finders' Act (December 5, 1924, 43 Stat. 701). The ratification was accepted by The Carter Oil Company and approved by the Acting Assistant Commissioner

Salt Lake City 068640, etc.
M:HKS



of the Bureau of Reclamation for the Secretary of the Interior and a certified photostat copy of the agreement filed with each case record. On the basis of these facts, the opinion concluded that the issuance of the leases as amended was valid.

Accordingly, the validity of the leases is confirmed to the extent that they embrace watershed lands because they have been ratified and approved by the Strawberry Water Users' Association, in which, under a contract between that Association and the Secretary of the Interior the control and management of the watershed lands are vested. Proceeds from the leases, insofar as they are derived from watershed lands, should be applied in conformity with the Act of April 4, 1910, and subsection 1 of the Fact Finders' Act (supra), as provided in the ratification of April 26, 1950.

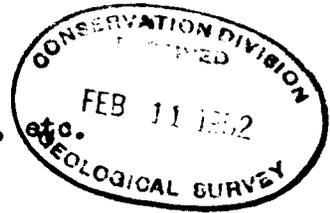
Included in leases 068643 and 068644, are 3200 acres of non-watershed land, which the Department had authority to lease under the mineral leasing act of February 25, 1920. Under the lease terms, Federal royalties are computed on the basis of the value or amount of production from the leasehold as an entity. This creates an accounting problem since proceeds derived from the watershed lands covered by these leases are to be credited and paid to the Strawberry Water Users' Association as provided in the ratification of April 26, 1950. It is therefore desirable that the tracts embracing watershed lands be separated from the tracts of nonwatershed lands and this has been accomplished by amendment of the leases as indicated below which is customary procedure in situations of this kind and agreeable to the Department. (Solicitor's opinion of November 1, 1951 M-36051 supp.):

New pages 1 of lease 068643 and lease 068644 describing only the watershed lands have been prepared and are attached. The lessee is authorized to file each new page with its copies of the leases instead of the pages 1 now with the lease. Copies of the new pages will be sent to the Geological Survey and the Bureau of Reclamation for attachment to the leases on file in their respective offices.

Issuance of new leases covering only nonwatershed lands as follows:

Salt Lake City 068643A for all secs. 13 and 24, T. 4 S., R. 11 W.,
1280 acres.
Salt Lake City 068644A for all secs. 14, 23 and 26, T. 4 S., R. 11 W.,
1920 acres.

Salt Lake City 068640,
M:IKS



These leases bear the original lease dates and the required reclamation stipulation has been incorporated as part of each lease. The course of action taken does not affect the rights or obligations of the present record title holder or its surety and consent thereto by these persons is not essential to effect the necessary separation. The Carter Oil Company is also the approved unit operator and according to the August 1951 report received from the Geological Survey, no production has yet been obtained under the unit agreement and no participating area has been set up within the unit.

The reissued leases are transmitted to The Carter Oil Company for signature and return to this office within thirty days from receipt of this decision, failing in which such action will be taken as the facts may warrant. The right of appeal is allowed.

Assistant Director

A handwritten signature in cursive script, appearing to read "William R. ...".

Attachments

Copy to: T.C.O. Co.
Peter S. Nyce
L.S.O.
R.A.(Reg.IV)
G.S.(21)
Bur. of Reclamation(10)

CONDITIONS OF APPROVAL

1. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.
2. A conductor or surface string or casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.
3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash and salt.
4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of the U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.
5. Two copies of the log of this well on Form 9-330, or other acceptable form and ~~when available~~ two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator or completion of the well whichever is earlier.
6. The District Engineer, C. A. Hauptman, 306 Federal Building, Salt Lake City 1, Utah, shall be notified on Form 9-331a in triplicate giving thereon all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing, other than the surface or conductor string, to permit approval of the notice prior to date of proposed work.

Approved **MAY 20 1952**
C. A. Hauptman
District Engineer

Budget Bureau No. 49-R266.1.
Approval expires 12-31-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER 068610
UNIT Strawberry

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Wasatch Field Strawberry Unit Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1952.

Agent's address 144 Sherman Street Company Union Oil Company of California
Denver, Colorado Signed E. P. Tallant - ASH

Phone _____ Agent's title Mgr. Field Operations

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 SW, S. 35	3S	11W	1	Spudded May 29,	1952.					Drilling @ 180'

APR 10 1952

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold;

_____ 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.

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

20" G 25'
Drilled 12 1/4" hole to 269'

DRILLING REPORT

Strawberry Unit Wildcat
(FIELD)

Rotary
(TOOLS)

Wasatch County, Utah
(COUNTY)

June 1, 1952
(PERIOD ENDING)

SEC. 35 T. 38 R. 11W (USM) S. & M.

(NOTE INEFFECTIVE CASING)

NO. OF FEET	DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
		FROM	TO		DEPTH	CORRECT ANGLE	
							On May 9, 1952, Artesia Rig Contractors dug 28 inch hole 15 ft. below ground level. Cemented 20", 39#, spiral welded Armo casing at 25 ft. as measured from rotary table. Baker Model G centraliser welded on at 23 feet.
2	5-29	25	44	Sandstone, silty shale			Spudded in at 12:07 P.M. on May 29, 1952. Drilled with 12 1/4", OSC-1 to 44 ft. Opened hole to 17 1/4" with Security hole opener to 44 feet.
	5-30	44	108	Sandstone, streaks of silty shale	0	67	Drilled 12 1/4" hole. Repair time 6 hours.
	5-31	108	180	Sandstone, streaks of silty shale	10 10 10	106 133 164	Drilled 12 1/4" hole with OSC-1 Hughes bit #2. Repair time 4 hours. Mud, 9.15#, viscosity 36, W. L. 10, F. C. 2/32, P. H. 8.
	6-1	180	269	Sandstone, streaks of silty shale	0 10 0	195 226 256	Drilled 12 1/4" hole with Hughes OSC-3 bit #3 on 3, 9 1/4" x 30' drill collars on 3, 7" x 30' drill collars on 1 1/2" FHDP.

(Note Make of Instrument)
Eastman

NAMES OF DRILLERS: Loffland Brothers

MADE IN U.S.A.

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

DRILLING REPORT

NEW WELL

Strawberry Unit Wildcat
(FIELD)

Rotary
(TOOLS)

Wasatch County, Utah
(COUNTY)

(PERIOD ENDING)

(NOTE INEFFECTIVE CASING)

35 T. 38 R. 11W (USM) S. & M.

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
						<p><u>LOCATION</u> - 612.7' North and 398.0' East from SW Corner, Section 35, T. 38, R. 11W, USM</p>
						<p><u>ELEVATION</u> - Rotary Table - 7613.3' U.S.G.S. Ground - 7603.5' U.S.G.S.</p> <p>All well depths will be measured from the top of the rotary table.</p>
						<p><u>CONTRACTOR</u> - Loffland Brothers Company</p>
						<p><u>OBJECTIVE</u> - Test Basal Green River and Middle and Upper Wasatch</p>

ORIGINAL FORWARDED TO CASPER



UNION OIL COMPANY

CASING RECORD

DRILLING REPORT

~~20' - 25'~~
~~15' hole to 130'~~
~~12' hole to 716'~~

Well No. 21

~~Shelby 214 - Wildcat~~
 (FIELD)

~~Wasatch County, Utah~~
 (COUNTY)

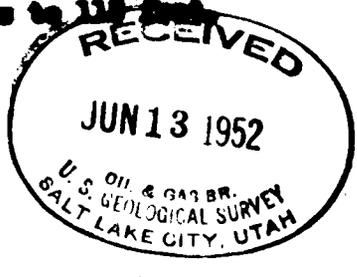
T. 2 R. 11W (TWP) S. & M.

~~Survey~~
 (TOWNSHIP)

~~June 8, 1952~~
 (DATE)

(NOTE INEFFECTIVE CASING)

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
6-2	269	367	Shale, streaks of siltstone and sand	0° 1° 2°	205 205 209	Drilled with 12 1/2", Hughes GMS-3 and GMS bits #3 and #4. Lost approximately 100 barrels of mud at 303' and 150 barrels of mud from 346' to 367'.
6-3	367	431	Shale, streaks of siltstone and sand	3/4°	375 418	Drilled 12 1/2" hole. Lost approximately 250 barrels of mud at 400'.
6-4	431	501	Siltstone	3/4° 2°	435 479	Drilled 12 1/2" hole with Hughes GMS bit with 20,000# weight and 75-100 table R.P.M.
6-5	501	512	Shale, streaks of siltstone.	3°	495	Drilled 12 1/2" hole to 512'. Stalled off in drill pipe at 500' and jumped pin between 2nd and 3rd 9 1/2" drill collars at 478'. Recovered drill pipe with 6 1/2" American overshot (R H Socket) using 1 1/2" slips. Recovered drill collars with Brown overshot (R H Socket) using 8" slips. Notes: 9 1/2" drill collars have 8" O. D. fishing necks. The upper box of the bottom drill collar was also crushed. 9 1/2" drill collars laid down. Picked up 9, 7" x 30' drill collars.
6-6	512	603	Siltstone, streaks of sand.	3° 1°	530 539	Drilled 12 1/2" hole with Hughes GMS bits.
6-7	603	677	Siltstone, streaks of shale and sand	1° 1 1/2°	610 646	Drilled 12 1/2" hole with Security GV and GV bits Nos. 11 and 12 in an attempt to straighten hole.
6-8	677	716	Siltstone, streaks of sand.	1-1/2°	695	Drilled 12 1/2" hole to 716' with Security GV bit No. 13. Opened 12 1/2" hole to 17 1/2" with Security hole opener on 3, 9 1/2" x 30' drill collars to 110'.



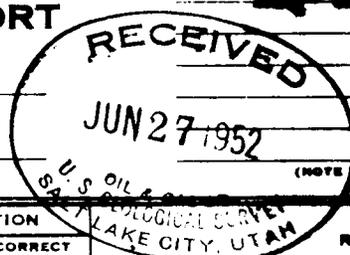
NAME OF DRILLERS: Richard Brothers

[Handwritten Signature]

UNION OIL COMPANY

CASING RECORD

DRILLING REPORT



NO. 1111
Washburn Field - Wildcat
 (FIELD)
Wasatch County, Utah
 (COUNTY)
T-30 1111 (U.S.) B. & M.

1952
 (PERIOD ENDING)

(NOTE EFFECTIVE CASING)

DATE	DEPTH		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
6-9	716	716	Hard, silty shale	Eastman		Opened hole from 12 1/2" to 17 1/2" to 16 1/2" with Security 8-17 hole opener. Twisted off at 68 feet in single above 9 1/2" drill collar. Could not recover with American 16" overshot.
6-10	716	716	Hard, silty shale	3/4	198	Run McCullough 10-1/8" L. L. releasing socket with 5-3/8" slips and 14-5/8" guide. Recovered fish. Opened hole to 17 1/2" to 211'.
6-11	716	716	Hard, silty shale	0	287	Opened hole to 17 1/2" to 346' with Security hole opener on two 9 1/2" x 30" drill collars on 16" Security Stabilizer.
6-12	716	716	Hard, silty shale			Opened hole to 17 1/2" to 390 feet. Left in hole strapped on 12 1/2" Hughes pilot bit off of Security hole opener. Located pilot bit at 643 feet with 12 1/2" bit. Pilot bit was strapped solid to hole opener. Apparently bit made up enough to break straps, then backed off. Opened hole with 17 1/2" Reed rock bit to 394'.
6-13	716	716	Hard, silty shale			Opened hole with 17 1/2" rock bit to 398'. Cleaned out to 643' with 12 1/2" rock bit. Run McCullough stopped at 643'. Shot jet. Went on with 12 1/2" rock bit glass straighten up fish. Run 14" x 6-5/8" sub and screwed on to fish. Recovered all of bit from 643'.
6-14	716	716	Hard, silty shale			Opened hole to 17 1/2" with Security hole opener—other set #5. Opened hole to 412 feet with other #5. Used Security 16" string reamer for 30" drill collars. Stabilizer on top on three 9 1/2" x
6-15	716	716	Hard, silty shale			Opened hole to 486' with other set #8 in 17 1/2" Security hole opener. Had 9.5 lbs./galling viscosity, 47 seconds water level @ 0 ft.

NAME OF DRILLERS: Laffland Brothers

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

20" & 25"
12 1/2" hole 716"
17 1/2" hole 602"

DRILLING REPORT

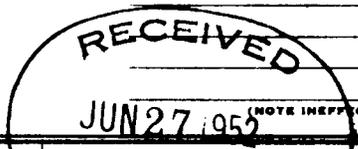
Hamberly Unit Wildcat
(FIELD)

Rotary
(TOOLS)

Wasatch County, Utah
(COUNTY)

June 22, 1952
(PERIOD ENDING)

35 T. 38 R. 11W (BEM) B. & M.



(NOTE INEFFECTIVE CASING)

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
1952				(Note Make of instrument)		
6-16	716			500	0°	Opened hole from 486' to 511', 17 1/2" hole with Security hole opener.
6-17	716			542	1/2°	Opened hole from 511' to 588' from 12 1/2" to 17 1/2". Hole opener bodies showed wear. Hard facing the logs and replacing bushings on the location.
6-18	716			579	3/4°	Opened 12 1/2" hole to 17 1/2" from 588' to 567' with Security hole opener with cutter set No. 13-ER. Ran 17 1/2" Security model "C" bit on two 9 1/2" x 30' drill collars on 16" Security stabilizing reamer with 4000 pounds on bit and 120 RPM and attempted to sidetrack 12 1/2" hole.
6-19	716			589	1°	Continued opening 12 1/2" hole to 17 1/2" to 589' with 17 1/2" Security Model "C" bit, but followed 12 1/2" hole. Increased table speed to 200 RPM, using 2000 pounds weight.
6-20	716			594 602 610 620	1/2° 1/2° 1/2° 1°	Opened hole from 594 to 600 with 17 1/2" bit. At 602' raised weight to a maximum of 8,000 pounds, table speed 2004 RPM. Reduced weight to 4-5000 pounds after 1/2" survey at 610'. Rotary speed 2004.
6-21	716			619 618	3/4° 3/4°	Opened hole from 600' to 622' with 17 1/2" Security retipped bit on two 9 1/2" x 30' drill collars on 16" Security stabilizing reamer. Jumped pin between drill collars. Recovered fish with 10-1/8" Bowen overshot (grapple socket). Ran 17 1/2" Security retipped bit on two 9 1/2" x 30' drill collars and attempted without success to establish sidetracking shoulder at 604'. Note: Necessary to retip 17 1/2" bits as no more available. Ran 12 1/2" Globe two cone bit on one 9 1/2" x 30' drill collar and established sidetracking shoulder at 604'. Re-drilled to 605' at 200 RPM. Twisted off in second single above drill collar. Could not recover 1/2" drill pipe in 17 1/2" hole with Laffland's 7-7/8" OD American overshot. Had 9.64, 47 seconds, 9.0 ml/30 minutes.
6-22	716					Ran McCullough 10-1/8" R. L. releasing socket with 11-5/8" OD guide on Shaffer Jar Safety on crooked single and recovered fish. Changed all drill pipe. Ran 12 1/2" Globe two cone bit No. 33 on one 9 1/2" x 30' drill collar and sidetracked old hole from 605' to 608' with 150 RPM with 3000 pounds weight. Had, 9.44; 50 seconds; 9.0 ml/30 minutes.

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

20" C 25'

DRILLING REPORT

17 1/2" hole to 626'

Strawberry Unit - Wildcat

12 1/2" hole to 867'

(FIELD)

Rotary

(TOOLS)

Wasatch County, Utah

(COUNTY)

June 29, 1952

(PERIOD ENDING)

SEC. 35 T. 39 R. 11W (USM) B. & M.

JUL 17 1952

(NOTE INEFFECTIVE CASING)

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
1952 6-23	716			617 (Note Make of Instrument)	1 1/2°	Continued attempting to establish 12 1/2" shoulder in 17 1/2" hole with 12 1/2" Globe Two-Cone bit on one 9 1/2" x 30' drill collar at 150 RPM and 3,000 pounds weight. Redrilled off of shoulder to 619'. Left in hole both cones off of Globe bit. Ran 12 1/2" Globe Junk Basket bit and recovered one cone.
6-24	716					Ran Globe basket three more times and cleaned hole of all junk. Ran 12 1/2" Hughes Two-Cone bit and redrilled to 620'. Twisted off in first single above the one 9 1/2" x 30' drill collar. Ran 10-1/8" McCullough H R releasing socket on Shaffer Jar Safety and recovered all of fish. Now have two tool pushers.
6-25	716					Down 18 1/2 hours repairing rig and equipment. Ran 12 1/2" Hughes OWC bit on Drilco stabilized 7 1/2" x 30' drill collar on fourteen 7" x 30' drill collars and started to clean out 12 1/2" hole.
6-26	716					Cleaned out to 716' with three motors. Down 9 hours repairing engine clutches.
6-27	716	745	Hard, gray siltstone	714 722	1 1/2° 1 1/2°	Drilled 12 1/2" hole with Security CFF and Hughes OWC bits numbers 36 and 37. Down 6 hours repairing drilling engines.
6-28	745	775	Hard, gray siltstone	744	1 1/2°	Drilled 12 1/2" hole with Hughes OWC bit number 38, using 30,000 pounds weight on bit at 65 RPM. Down 14 hours to repair equipment.
6-29	775	867	Hard, gray siltstone	795 822 850	1 1/2° 1 1/2° 1°	Drilled 12 1/2" hole with Hughes OWC bits numbers 39 and 40. Left in hole 12" OD by 12" by 7 1/2" ID cast iron Drilco stabilizer. Ran 17 1/2" Security HR bit, drilled to 626 feet and drove junk into 12 1/2" hole. Ran in 12 1/2" Security CFF bit on three 9 1/2" x 30' drill collars to mill up junk at 867'.

NAMES OF DRILLERS: Laffland Brothers

[Signature]
 DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER 068610
UNIT Strawberry

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Wasatch Field Strawberry Salt Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1952.

Agent's address 144 Sherman Street Company Union Oil Company of California
Denver, Colorado Signed E. P. Tallant A.G.H.

Phone _____ Agent's title Mgr. Field Operations

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 35	3S	11W	1							Drilling 884'

ORIGINAL FORWARDED TO CASPER

JUL 3 - 1952

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold;

_____ 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.

UNION OIL COMPANY

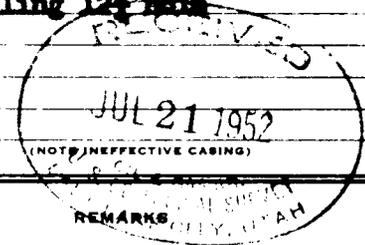
CASING RECORD

DRILLING REPORT

WELL NO. Union #1
Strawberry Unit - Wildcat
(FIELD)
Wasatch County, Utah
(COUNTY)
Sec. 35 T. 38 R. 11W (USM) S. & M.

Rotary
(TOOLS)
July 6, 1952
(PERIOD ENDING)

20" c 25'
17 1/2" hole to 626
Drilling 12 1/2" hole



DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
1952 6-30	867	901	Hard, grey siltstone	880 Eastman	1 1/2°	Milled up junk and drilled ahead to 873' with Security CFF bit No. 41. During round trip for bit change, ran into crown. May have to lay derrick down to repair. Ran Hughes OWS bit No. 42 on what remained of 7 1/2" Drilco stabilized drill collar on twelve 7" x 30' drill collars and drilled ahead.
7-1	901	937	Hard, grey siltstone	928	2°	Drilled 12 1/2" hole with Security C-8-10 on one 9 1/2" x 30' drill collar on twelve 7" x 30' drill collars to 929. Tubescoped drilling string and found one cracked drill collar pin. Drilled ahead with Hughes LW-3 bit on two 9 1/2" x 30' drill collars on 12 1/2" Security stabiliser on three 7" x 30' drill collars.
7-2	937	959	Hard, grey siltstone	947 957	2° 1 1/2°	Drilled 12 1/2" hole with Hughes LW-3 bit No. 45 on two 9 1/2" x 30' drill collars on 12 1/2" Security stabilizer on three 7" x 30' drill collars at 180 RPM and 6-8000 pounds. Down 10 1/2 hours repairing derrick. Lost approximately 150 barrels of mud while drilling from 955 to 957'.
7-3	959	1002	Hard, grey siltstone	968 990	1-3/4° 1-3/4°	Drilled 12 1/2" hole with Hughes OSQ-2 bit No. 46 on two 9 1/2" x 30' drill collars on 12 1/2" Security stabilizer at 200 RPM and 8000 pounds. Drilled 3 feet in 2 hours. Ran Hughes OWS then Globe MHC bits on 12 1/2" Security stabiliser on one 9 1/2" x 30' drill collar on 12 1/2" Security stabiliser on two 9 1/2" x 30' drill collars on twelve 7" x 30' drill collars at 60 RPM and 30,000 pounds.
7-4	1002	1057	Hard, grey siltstone	1002 1030	1 1/2° 1 1/2°	Drilled 12 1/2" hole with Hughes OWS then OSQ-2 bits Nos. 50 and 51 on 12 1/2" stabiliser on 9 1/2" x 30' drill collar on twelve 7" x 30' drill collars at 60 RPM and 30-50,000 pounds. Increased weight on OSQ-2 in an attempt to get more footage per bit. Raised angle 3/4° in 33 feet. Fifth complete new crew began work this day. No further loss of mud. Mud 9.0¢, 51 seconds, 10.1 ml/30 minutes.
7-5	1057	1125	Hard, grey siltstone	1063	2°	Drilled 12 1/2" hole with Hughes OWS bits Nos. 52 and 53.
7-6	1125	1176	Hard, grey siltstone	1125 1148	1-3/4° 1-3/4°	Drilled 12 1/2" hole with Hughes OWS, Security double hard-faced model 6 and Hughes OWS on 12 1/2" stabiliser on 9 1/2" x 30' drill collar on 12 1/2" stabiliser on twelve 7" x 30' drill collars at 30,000 pounds and 60 RPM. Mud 9.1¢, 50 seconds, 9.0 ml/30 minutes.

NAMES OF DRILLERS: Loffland Brothers

[Signature]
DISTRICT ENGINEER

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

Strawberry Unit - Wildcat
(FIELD)

DRILLING REPORT

Wasatch County, Utah
(COUNTY)

Rotary
(TOOLS)

SEC. 5 T. 35 R. 11W (USM) S. & M.

July 13, 1952
(PERIOD ENDING)

20" & 25"
13-3/8" & 6 1/2"
Drilling 12 1/2" hole

(NOTE INEFFECTIVE CASING)

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
7-7	1176	1210	Hard, grey siltstone	1183 1191 1201	2 1/2° 2° 1-3/4°	Drilled 12 1/2" hole with Security model C then Reed 2H on 12 1/2" Security one-half sharp reamer on 9 1/2" x 30" drill collar on 12 1/2" Security one-half sharp reamer on 9 1/2" x 30" drill collar on 12 1/2" Hughes O&B bit No. 59 on 12" Drilco stabilized 7 1/2" collars and drilled with 40-50,000 rpm
7-8	1210	1279	Hard, grey siltstone	1252	1-3/4°	Drilled 12 1/2" hole with Hughes O&B-2 bits Nos. 60 and 61.
7-9	1279	1281	Hard, grey siltstone	1280	2°	Drilled 12 1/2" hole with Hughes O&B-2 bit No. 61. Ran Schlumberger electrical log and photoclinometer to 1280'. Ran in 17 1/2" reamer bit to 626' and conditioned mud. Cemented new 13-3/8" hole shoe with 400 sacks of 141 per- lite cement with 1 1/2 gal followed by 25 sacks Ideal portland cement. Pumped slurry down and seated single top plug by Howe displacement method. Baker model C centralizers spot welded top and bottom. Had cement returns to surface.
7-10	1281					Released casing and began to install blowout preventers.
7-11	1281					Completed installation of blow-out preventers and surface controls.
7-12	1281					Reset rotary table. Could not open runs. Began to dig mouse hole.
7-13	1281					Completed repair of Cameron runs and blind. Runs would not hold, leaked mud into hydraulic control line. Started to dismantle blow-out preventers.

JUL 30 1952

NAME OF DRILLERS: Loffland Brothers

Form 9-381a
(Feb. 1951)

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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. 068610
Unit Strawberry

AUG 1 1952
JUL 21 1952

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.....	<u>Subsequent report of running surface casing</u>	<u>X</u>

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

July 17, 1952

Well No. Union #1 is located 612.7 ft. from N line and 398.0 ft. from W line of sec. 35

Sec. 35 (4 Sec. and Sec. No.) 3 South 11 West (Twp.) Utah Special (Meridian)
Strawberry Unit (Field) Wasatch (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 7613.3 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)

<u>Date</u>	<u>Depth</u>	<u>Remarks</u>
May 29, 1952	33 ft.	Spudded in with 12 1/2" bit.
June 23, 1952	716 ft.	Opened 12 1/2" hole to 17 1/2" to 622 ft.
June 30, 1952	884 ft.	Drilled 18 1/2" hole, opened to 17 1/2" to 626 ft.
July 9, 1952	1281 ft.	Drilled 12 1/2" hole. Ran Schlumberger electrical log to 1280 ft. Cemented new 13-3/8" J.L. 48-pound, H-40, STAC Casing at 617 ft. with 425 sacks of cement. Had cement returns to surface.
July 16, 1952	1281 ft.	Installed and tested Shaffer and Hydril blow out preventers with 800 pounds for 30 minutes. Started drilling ahead with 12 1/2" bits.

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

Company Union Oil Company of California

Address 444 Sherman Street

Denver 9, Colorado

AUG 1 1952
By [Signature]
Title Petroleum Engineer

UNION OIL COMPANY

CASING RECORD

WELL No. Union #1

DRILLING REPORT

20" C 25'
13-3/8" C 617'
Drilling 12 1/4" hole

Strawberry Unit - Wildcat
(FIELD)

Rotary
(TOOLS)

Wasatch County, Utah
(COUNTY)

SEC. 35 T. 3S R. 11W (USM) B. & M.

July 20, 1952
(PERIOD ENDING)

(NOTE INEFFECTIVE CASING)

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
1952						
7-14	1281				Eastman	Removed defective Cameron rams. Rigged up to lay down and repair water table of derrick.
7-15	1281					Completed repair of derrick. Installed double hydraulic Shaffer rams and gates. Tested all surface equipment with 800# for 30 minutes.
7-16	1281	1326	Hard, grey siltstone	1290	1-3/4°	Ran 12 1/4" retipped OWS bit on 12 1/4" Security one-half sharp reamer on 12" O.D. Drilco stabilized 7 1/4" drill collar on fifteen 7" x 30" drill collars and drilled from 1281' to 1292'. Came out completely worn out with teeth battered. Drilled with 50,000 pounds and 50-60 RPM.
7-17	1326	1414	Hard, grey siltstone	1318 1340 1370 1397	2 1/4° 2° 2° 1-3/4°	Drilled 12 1/4" hole with Reed 2HS-1 and Hughes OWS bits Nos. 62 and 63. Mud 8.5#, 50 seconds 11.5 ml/30 minutes.
7-18	1414	1485	Hard, grey siltstone	1463 1484	2-3/4° 2-3/4°	Drilled 12 1/4" hole with Hughes OWS and OWS retip. Retipped bits batter like the temper was drawn.
7-19	1485 1555	1555 1581	Hard, grey siltstone Hard, variegated siltstone	1539	2-3/4°	Drilled 12 1/4" hole with Hughes OWS bits Nos. 65 and 66. After 88 1/2 hours, Drilco stabilizer worn a maximum of 3/16" O.D. and 5/16" I.D. Started running second Security one-half sharp stabilizer 30 feet above Drilco stabilized 7 1/4" O.D. drill collar.
7-20	1581	1690	Hard, variegated siltstone			Drilled 12 1/4" hole with Hughes OWS and Chicago Pneumatic ES-5 bits Nos. 66 and 67. Mud 9.0#, 45 seconds, 10.0 ml/30 minutes.

JUL 30 1952

NAMES OF DRILLERS: Loffland Brothers

[Signature]
DISTRICT ENGINEER

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

20" O 25'

Strawberry Unit - Wildcat

DRILLING REPORT

13-3/8" O 617'

Drilling 12 1/2" hole

Wasatch County, Utah

Rotary

(FIELD)

(TOOLS)

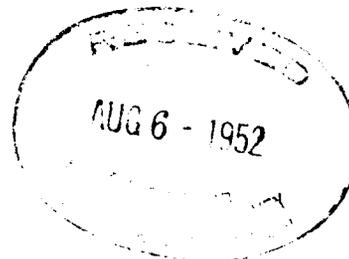
SEC. 35 T. 3S R. 11W (USM) B. & M.

July 27, 1952

(PERIOD ENDING)

(NOTE INEFFECTIVE CASING)

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
7-21	1690	1787	Siltstone, streaks of shale on 12" Drilco 7 1/2" stabilized drill collar on 7" x 30' drill collar on 12 1/2" Security reamer with one-half sharp cutters on thirteen 7" x 30' drill collars on 1 1/2" drill pipe with 60-65 RPM and 50,000 pounds.	Eastern 1750	2-3/4°	Drilled 12 1/2" hole with C.P. ES-5 bit No. 69 on 12 1/2" Security reamer with one-half sharp cutters
7-22	1787	1887	Siltstone, streaks of shale barrels of mud at 1877 feet. Decided to let hole drift and not use light drilling weight to hold hole straight.	1791 1840	2 1/2° 3 1/2°	Drilled 12 1/2" hole with Hughes OWC and OWS bits. Changed 12" Drilco drill collar. Lost 70
7-23	1887	1980	Siltstone, streaks of shale	1870 1897	3 1/2° 3 1/2°	Drilled 12 1/2" hole with Hughes OWS bit No. 71.
7-24	1980	2053	Siltstone, streaks of shale	1979	3-3/4°	Drilled 12 1/2" hole with Hughes OWC bit No. 72.
7-25	2053	2193	Siltstone, streaks of shale	2073	4°	Drilled 12 1/2" hole with Hughes OWC bit No. 73.
7-26	2193	2293	Siltstone, streaks of shale	2208 2270	4 1/2° 4 1/2°	Drilled 12 1/2" hole with Hughes OSC-1 and OSC-2 bits Nos. 71 and 61 retipped.
7-27	2293	2394	Siltstone, streaks of shale 3/16"; I.D. -1/4". Clutches at base of stabilizers half gone at end of 87.1 hours actual drilling. Mud 9.1#, 41 seconds, 9.5 ml/30 minutes.	2292 2355 2392	4-3/4° 4° 4 1/2°	Drilled 12 1/2" hole with Hughes OSC-1 and Reed LF-3 bits Nos. 75 and 76. Calipered 12" Drilco drill collar. Maximum wear O.D. -



NAMES OF DRILLERS: Loffland Brothers

A. G. Hilton

DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 43-2344
Approval expires 12-31-52

LAND OFFICE Salt Lake City
LEASE NUMBER 06890
UNIT Strawberry

LESSEE'S MONTHLY REPORT OF OPERATIONS

Utah County Wasatch Field Strawberry Unit - Wildcat

The following is a correct report of operations and production (including drilling and producing) for the month of July, 1952,

Lessee's address 1414 Sherman Street Company Union Oil Co. of California
Denver, Colorado

Signed A. G. Hilton
Agent's title Petroleum Engineer

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 35	3S	11W	1							Drilling at 2880'

AUG - 8 1952
ORIGINAL FORWARDED TO CASPER

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold;

_____ 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.

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

DRILLING REPORT

20" C 25'
13-3/8" C 617'
Drilling 12 1/4" hole

Wildcat Unit - Wildcat
(FIELD)

Rotary

(TOOLS)

Wasatch County, Utah
(COUNTY)

August 3, 1952

(PERIOD ENDING)

35 T. 38 R. 11W (USM) B. & M.

(NOTE INEFFECTIVE CASING)

DATE 1952	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
7-28	2394	2545	Siltstone, streaks of shale 7" stabilized drill collar on 7" x 30' reamer with half-sharp cutters on thirteen 7" x 30' drill collars on 1 1/2" drill pipe with 60 RPM and 50,000 pounds. Worked blowout preventers each trip.	Eastman		Drilled 12 1/4" hole with Hughes OWC bit No. 77 on 12 1/4" Security reamer with half-sharp cutters on Driles drill collar on 12 1/4" Security
7-29	2545	2685	Siltstone, streaks of shale	2545	4 1/2°	Drilled 12 1/4" hole with Hughes OWC bit No. 78.
7-30	2685	2803	Siltstone, streaks of shale	2699	5 1/2°	Drilled 12 1/4" hole with Hughes OWC bit No. 79.
7-31	2803	2904	Siltstone, streaks of shale	2814 2902	6° 5 1/2°	Drilled 12 1/4" hole with Hughes OWC bit No. 80.
8-1	2904	3039	Siltstone, streaks of shale			Drilled 12 1/4" hole with Hughes OWC bit No. 81.
8-2	3039	3166	Siltstone, streaks of shale	3038	5-3/4°	Drilled 12 1/4" hole with Hughes OWC bit No. 82. Lost 60 barrels of mud at 3058 feet.
8-3	3166	3311	Siltstone, streaks of shale	3164	6°	Drilled 12 1/4" hole with Hughes OWC bit No. 83. Lost 60 barrels of mud at 3295 feet. Mud 9.14, 40 seconds, 8.5 ml/30 minutes.



NAME OF DRILLERS:

Loffland Brothers

A. G. Hilted

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1
Whispering Unit - Wildcat
 (FIELD)
Wasatch County, Utah
 (COUNTY)
 SEC. 35 T. 3E R. 11W (USG) B. & M.

DRILLING REPORT

Rotary
 (TOOLS)
August 10, 1952
 (PERIOD ENDING)

20" C 25'
13-3/8" C 617'
Drilling 12 1/4" hole

(NOTE INEFFECTIVE CASING)

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
8-4	3311	3435	Siltstone, streaks of shale	Eastman 3345	6°	Drilled 12 1/4" hole with Hughes OMC bit No. 84 on 12 1/4" Security reamer with half-sharp cutters on DeLoo drill collar on 12 1/4" Security reamer with half-sharp cutters on thirteen 7" x 30" drill collars on 1 1/2" drill pipe with 60 RPM and 50,000 pounds. Worked blowout preventers each trip.
8-5	3435	3495	Siltstone, streaks of shale	3442 3493	6 1/2° 6 1/2°	Drilled 12 1/4" hole with Hughes OMC-1 bit No. 85 until 4:00 p.m. Shut down for repairs. Removed tail shafts to compound; bearings were gone. Races had traveled on shaft necessitating their being built up.
8-6) 8-7) 8-8)	3495					Waited on repairs. Hole took approximately 5 barrels of mud per hour.
8-9	3495	3515	Siltstone, streaks of shale			Completed repairs at 6:00 p.m. Drilled 12 1/4" hole with Hughes OMC bit No. 86.
8-10	3515	3602	Siltstone, streaks of shale			Drilled 12 1/4" hole with Hughes OMC bit No. 86. Mud 9.12, 12 seconds, 10.0 ml/30 minutes.

NAMES OF DRILLERS: Lutland Brothers

A. G. Hilton
 DISTRICT ENGINEER

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

20" G 25'

DRILLING REPORT

13-3/8" G 617'

Strawberry Unit - Wildcat
(FIELD)

12 1/2" hole to 4035'

Wasatch County, Utah
(COUNTY)

Rotary
(TOOLS)

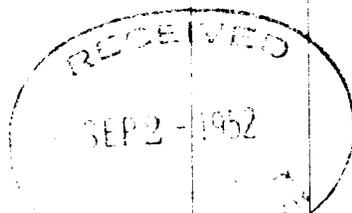
Drilling 9-7/8" hole

35 T 3S R. 11W (USM) B. & M.

August 17, 1952
(PERIOD ENDING)

(NOTE INEFFECTIVE CASING)

DATE 1952	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH (Note Make or Instrument)	CORRECT ANGLE	
8-11	3602	3720	Shale, streaks of silt-stone 7" stabilized drill collar on 7" x 30' reamer with half-sharp cutters on thirteen 7" x 30' drill collars on 1 1/2" drill pipe with 60 RPM and 50,000 pounds. Worked blowout preventers each trip. Replaced 7" Drilco stabilized drill collar. Maximum wear on old collar, O.D. 1/2"; I.D. 1/2" at end of 280.7 hours. Lost approximately 25 barrels of mud last 24 hours.	Eastman		Drilled 12 1/2" hole with Hughes OWS bit No. 87 on 12 1/2" Security reamer with half-sharp cutters on Drilco drill collar on 12 1/2" Security
8-12	3720	3826	Shale, streaks of silt-stone	3718	6 1/2°	Drilled 12 1/2" hole with Hughes OWS bit No. 88. Lost 25 barrels of mud between 3730-3740 feet.
8-13	3826	3934	Shale, streaks of silt-stone	3824	6°	Drilled 12 1/2" hole with Hughes OWS bit No. 89. Lost approximately 25 barrels of mud last 24 hours.
8-14	3984	4086	Shale	4035 4040 4050	6° 5-3/4° 6°	Drilled 12 1/2" hole to 4035 feet. Went in with 9-7/8" Reed 2HM bit No. 90 on fifteen 7" x 30' drill collars on 1 1/2" drill pipe. Added 20 sacks of Magee fiber to mud.
8-15	4086	4227	Shale	4083 4140	5 1/2° 6°	Drilled 9-7/8" hole with Reed 2HM bit No. 90.
8-16	4227	4360	Shale	4225 4325	5 1/2° 5 1/2°	Drilled 9-7/8" hole with Hughes OWS bit No. 91. Removed fiber from mud system. Negligible mud loss.
8-17	4360	4511	Shale			Drilled 9-7/8" hole with Hughes OWS bit No. 92. Mud 9.6¢, 40 seconds, 7.0 ml/30 minutes.





WELL NO. Union #1

Shawberry Unit - Wildcat
(FIELD)

Wasatch County, Utah
(COUNTY)

Rotary
(TOOLS)

SEC. 35 T. 35 R. 11W (USM) B. & M.

August 21, 1952
(PERIOD ENDING)

CASING RECORD

20" @ 25'
13-3/8" @ 47'

12 1/2" hole to 1085'
Drilling 9-7/8" hole

(NOTE INEFFECTIVE CASING)

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
8-18	4511	4650	Shale	Eastward 4510 4600 4631	6 1/2° 6° 6 1/2°	Drilled 9-7/8" hole with Hughes OMS bit No. 93 on fifteen 7" x 30" drill collars on 1 1/2" drill pipe. Table speed 65 RPM, maximum weight 50,000 pounds. Worked blowout preventers each trip. Lost 200 barrels of mud at 4644'. Added 50 pounds lime to stop mud loss.
8-19	4650	4752	Shale	4645 4723	5 1/2° 6 1/2°	Changed bit. Lost 10 barrels mud on trip. Drilled ahead with 9-7/8" bit. Lost 350 barrels mud between 4700-4728'. Added 30 sacks of lost-circulation material to mud. Lost 15 barrels of mud during bit change at 4739'.
8-20	4752	4868	Brown shale, streaks of siltstone	4866	8°	Drilled 9-7/8" hole to 4868' with bit No. 95. Made up 6-3/8" x 60" Christensen diamond core barrel with 8-3/8" head.
8-21	4868	4890	Hard gray siltstone, streaks brown shale			Ran Christensen diamond core barrel on Shaffer Jar Safety on nine 7" x 30" drill collars on 1 1/2" drill pipe. Lost 150 barrels of mud during round trip. Cored from 4868-4890'. Recovered 22 feet.
8-22	4890	5013	Hard gray siltstone, streaks brown shale	4860 4885 4970	7° 7 1/2° 7 1/2°	Reamed core hole and drilled 9-7/8" hole with Hughes OMS bit No. 97.
8-23	5013	5120	Hard gray siltstone, streaks brown shale	5058	7°	Drilled 9-7/8" hole with Hughes OMS bits No. 97 and 98. Removed loss of circulation material from mud.
8-24	5120	5229	Hard gray siltstone, streaks brown shale	5170	7°	Drilled 9-7/8" hole with Hughes OMS bits No. 98 and 99. Ran A-1 Key seat jar above 7" drill collars. Mud 9.2#, 50 seconds, 9.2 ml/30 minutes.

NAMES OF DRILLERS:

Leffland Brothers

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Form No. 40-2000
Approval expires 12-31-52

LAND OFFICE Salt Lake City
LEASE NUMBER 06840
UNIT Strawberry

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Wasatch Field Strawberry Unit - Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1952,

Agent's address 444 Sherman Street Company Union Oil Co. of California
Denver, Colorado Signed [Signature]

Phone _____ Agent's title Petroleum Engineer

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 35	3S	11W	1							Drilling at 5546'

RECEIVED
SEP 8 1952

RECEIVED
SEP 10 1952
OIL & GAS DIV.
U. S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold;

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

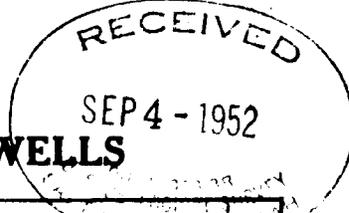
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City
Lease No. 068610
Unit Strawberry

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COPIES FORWARDED TO OFFICE



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.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

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

September 1, 1952

Well No. Union #1 is located 612.7 ft. from N line and 398.0 ft. from W line of sec. 35

35 Sec. 35
(4 Sec. and Sec. No.)

3 South
(Twp.)

11 West
(Range)

Uintah Special
(Meridian)

Strawberry Unit
(Field)

Wasatch
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 7613.3 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)

Aug. 28, 1952 T.D. 5343 ft.

Drilled 12 1/2" hole to 4035'.
Drilled 9-7/8" hole to 5343'.
D.S.T. #1 - 5331 to 5343'. Recovered
195' mud, no oil, gas or
water. Maximum pressure
90%. Tester open 1 1/2 hours.
Drilled ahead with 9-7/8" bits. 1 1/2 ?

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

Company Union Oil Company of California

Address 444 Sherman Street

Denver, Colorado

By [Signature]

Approved SEP 2 1952

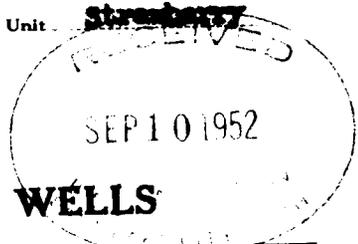
Title Petroleum Engineer

[Signature]
Asst. District Engineer

Land Office Salt Lake City
Lease No. 068610
Unit Strawberry

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



35

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.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

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

September 5, 1952

Well No. Union #1 is located 612.7 ft. from DK line and 396.0 ft. from W line of sec. 35

SW 1/4 Sec. 35
(1/4 Sec. and Sec. No.)

3 South
(Twp.)

11 West
(Range)

Uintah Special
(Meridian)

Strawberry Unit
(Field)

Wasatch
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 7613.3 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)

Sept. 4, 1952 D.S.T. #2 - 5697 to 5719'. Tool open 75 minutes. Light steady blow throughout test. Shut in 15 minutes. Recovered 320 ft. mud, rainbows of oil, no free water. Flow pressure 205#, shut in pressure 1825#.

Sept. 6, 1952 D.S.T. #3 - 5714 to 5804'. Tool open 2 hours. No gas to surface. Shut in 1/2 hour. Recovered 4590 ft. muddy water, salinity 200 PPM. Final flow pressure 1935#, shut in pressure 1970#.

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

Company Union Oil Company of California

Address 1414 Sherman Street

Denver 9, Colorado

By [Signature]

Title Petroleum Engineer

Actg. [Signature]

UNION OIL COMPANY

CASING RECORD

Union #1

20" C 25'

13-3/8" C 617'

DRILLING REPORT

12 1/2" hole to 4035'

Roseberry Unit- Wildcat

Rotary

(FIELD)

(TOOLS)

Wasatch County, Utah

7 September, 1952

(COUNTY)

(PERIOD ENDING)

Sec. 35 T. 3S R. 11W US B. & M.

(NOTE INEFFECTIVE CASING)

DATE 1952	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
9-1	5568	5663	Shale	Eastman 5565	7 1/2°	Drilled with bit 10 1/4 HRC-CWC 9-7/8" hole, on fifteen 7" x 30' drill collars, on 7 1/4" keyseat wiper, on 4 1/2" drill pipe. Checking blowout preventers each trip. Losing small amount of mud.
9-2	5663	5730	Shale	5665	7°	Drilled. Rigged diamond core barrel. Core assembly: Diamond head on 60' x 6-3/4" core barrel on Shaffer Jar Safety, on nine 7" x 30' drill collars, on keyseat wiper on 4 1/2" drill pipe. Lost small amount of mud.
9-3	5730	5749	Shale	5725 5745	6 1/2° 7°	Cored. Core #3: 5730-5742'. Recovered 12'. Shale. Drilled, and circulated for D.S.T. #2. Out of the hole, made up Howco testing tool, double packer as above with 4 1/2" drill pipe.
9-4	5749	5786	Shale			D.S.T. #2 5697-5749'. Tool open 1 1/2 hours, shut in 15 minutes. Recovered 320' mud with very slight trace of heavy oil. HP 2750#, IFF 190#, FFP 205#, SIP 1815#. Tally of pipe in hole checked tally board. Cored. Coring assembly same as above.
9-5	5686	580 1/2	Shale, siltstone, sand			Cored. Core #4 5749-580 1/2'. Recovered 55'. When coring out of the hole with the coring assembly, a tight spot in the hole was encountered at approximately 400' off bottom. Went in with a 9-7/8" rock bit to condition the hole for D.S.T. #3. Hit nothing going in the hole, and dragged a little at approximately 300' off bottom. Went in the hole with D.S.T. #3 using HDWCO with double packer assembly as above, using 3 1/2" I.F. drill pipe. Failed to get to bottom, 50' savings in rat hole. Out of the hole--to ream rat hole.
9-6	580 1/2	580 1/2				Went to bottom with rock bit. After reaming, circulated the hole clean and came out. Did not encounter any tight places in the hole. The conclusion drawn as to the cause of tight hole on the two previous trips was insufficient pump volume during coring operation and the same when in with the 9-7/8" rock bit. Apparently the cuttings were traveling at such a low velocity in the 12 1/2" hole that the majority of them never did get clear of the hole. In addition, the gel strength of the mud has been purposely kept low to keep the mud weight as low as possible to avoid loss of mud to the formation. When the pump stopped for the trip, the cuttings dropped into the 9-7/8" hole. Run the tester in as above.

NAMES OF DRILLERS:

Carl A. Johnson
DISTRICT ENGINEER

UNION OIL COMPANY

CASING RECORD

WELL NO. Union #1

DRILLING REPORT

Sanberry Unit - Wildcat

(FIELD)

Wasatch County, Utah

(COUNTY)

Rotary

(TOOLS)

7 September, 1952 (Cont'd)

(PERIOD ENDING)

(NOTE INEFFECTIVE CASING)

W.C. _____ T. _____ R. _____ B. & M. _____

DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
1952						
9-6 (continued)			D.S.T. #3 (rerun) 574 $\frac{1}{2}$ to 580 $\frac{1}{2}$ '. Tool Recovered 4590' maddy fresh water. IP 2668 $\frac{1}{2}$, IFF 143 $\frac{1}{2}$, FTF 1935 $\frac{1}{2}$, SIP 1970 $\frac{1}{2}$. Went in hole with core barrel as above.			open 2 hours, shut in 30 minutes.
9-7	580 $\frac{1}{2}$	5859	Siltstone-shale 45 barrels mud at 585 $\frac{1}{2}$ '. Some time will be lost in laying down drill pipe for hard-banding of tool joints.			Cored. Core #5 - 580 $\frac{1}{2}$ -5859'. Recovered 55' siltstone. Lost Mud data: Wt. 9.2 Vis. 45 W.L. 11.6

NAME OF DRILLERS: Loffland Brothers

Carl A. Johnson

UNION OIL COMPANY

CASING RECORD

Well No. Union #1

20" C 25'
13-3/8" C 617'

DRILLING REPORT

Strawberry Unit - Wildcat

(FIELD)

Rotary

(TOOLS)

Wasatch County, Utah

(COUNTY)

14 September, 1952

(PERIOD ENDING)

SEC. 35 T. 3S R. 11W US B. & M.

(NOTE INEFFECTIVE CASING)

DATE 1952	DEPTHS		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
9-8	5859	5919	Siltstone-shale Fifteen 7" x 30" drill collars on keyseat wiper on 1 1/2" drill pipe. Checking blowout preventers each trip.		Eastern	Reamed with 9-7/8" rock bit. Drilled with bit #108 HFC-CWC on 1 1/2" drill pipe. Lost small amount of mud.
9-9	5919	5982	Siltstone-shale	5917	6 1/2°	Drilled. Lost small amount of mud.
9-10	5982	6021	Siltstone-shale core #6 6001-6021'. Core jammed in the barrel due to fractured formation. Recovered 16'.	5999	6°	Drilled to 6001'. Went in with coring assembly as above. Cut barrel due to fractured formation. Recovered 16'.
9-11	6021	6031	Ran HDWCO tester with double packer assembly as above on 1 1/2" drill pipe. D.S.T. #4 6014-6031. Tool open 2 1/2 hours. Failed to get a shut in. Recovered 1670' muddy fresh water. HP 2765#; IFP 375#, FFP 2070#.			Called HDWCO tester. Went in for core #7 6021-6031. Recovered 10'.
9-12	6031	6099	Siltstone-shale	6072	5 1/2°	Reamed rat hole. Drilled. Lost 150 barrels of mud over entire day. No sustained loss in any one spot. Mixed fiber in mud—concentration 1 pound per barrel.
9-13	6099	6119	Siltstone-shale			Drilled. Layed down 3 1/2" drill pipe. Small mud loss.
9-14	6119	6205	Siltstone-shale	6175	5°	Drilled. Lost some mud on trip. Sealed off again when drilling. Mud data: Wt. 9.1 Vis. 48 W.L. 10.4

NAME OF DRILLERS: Lackland Brothers Co.

Carl A. Johnson
DISTRICT ENGINEER

UNION OIL COMPANY

CASING RECORD

WELL NO. Union No. 1

20" C 25'

13-3/8" C 617'

Strawberry Unit - Wildcat

DRILLING REPORT

(FIELD)

Wasatch, Utah

Rotary

(TOOLS)

(COUNTY)

SEC. 35 T. 38 R. 11W US B. & M.

21 September, 1952

(PERIOD ENDING)

(NOTE: REFLECTIVE CASING)

NO. OF HOURS	DATE	DEPTHS		FORMATION	INCLINATION		REMARKS
		FROM	TO		DEPTH	CORRECT ANGLE	
	<u>1952</u>						
3	9-15	6149	6205	Siltstone-shale	6175	5°	Drilled with bit #112 HFC-OWC, 9-7/8" hole, on 15 - 7" x 30" drill pipe. Table speed 65 RPM, maximum weight on bit 50,000 pounds, working blowout preventers each trip.
3	9-16	6205	6254	Siltstone-shale	6252	4 1/2°	Drilled.
3	9-17	6252	6296	Siltstone-shale			Went in with core barrel to cut core #8. Pulled core #8 6254 to 6274'. Recovered 20' siltstone, argillaceous in part. Went in with rock bit, resumed to 6274'. Drilled.
3	9-18	6296	6363	Siltstone-shale	6361	4°	Drilled.
3	9-19	6363	6437	Siltstone-shale			Drilled.
3	9-20	6437	6507	Siltstone-shale	6468	3 1/2°	Drilled.
3	9-21	6507	6570	Siltstone-shale			Drilled.
3	9-22	6570	6637	Siltstone-shale			Drilled.
<p>Note: To this point no additional lost circulation material has been added. The concentration in the mud had dropped to nearly zero. Between 6600-6615' lost mud at the rate of 20 barrels per hour. Built up the mud volume and added more lost circulation material—stopping loss</p>							

NAME OF DRILLERS: Lafeland Brothers Co.

Carl A. Johnson

DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City
Lease No. 068640
Unit Strawberry

35
35

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SEP 29 1952

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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

September 22, 1952

Well No. Union #1 is located 612.7 ft. from S line and 398.0 ft. from W line of sec. 35
SW 1/4 Sec. 35 3 South 11 West Uintah Special
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Strawberry Unit Wasatch County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7613.3 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)

Sept. 11, 1952 D.S.T. #4 - 6014 to 6031'. Tool open 2 1/2 hours. Failed to get a start in. Recovered 1670' muddy fresh water. HP 2765#, IFP 375#, WFP 2070#.

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

Company Union Oil Company of California

Address 444 Sherman Street

Denver 9, Colorado

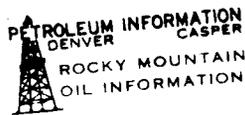
By Carl A. Johnson

Title Petroleum Engineer

Approved OCT 25 1952
(Orig. Sgd.) H. C. Scoville

9/15

UTAH
WASATCH CO.
STRAWBERRY



Twp 3S-11W(USM) ✓
Section 35
SW SW SW
525 N/S 405 E/W

WELL #: 1 Unit

52-017640

OPR: Union Oil of Calif.

ELEV: 7700 DF (approx.)

*TOPS: Elec. Log ~~Sample~~
Wasatch

5700

DSTS. & CORES:

DST 6614-31, 2½ hrs,
rec 4670' gas cut
water, FP 375-2050#,
HP 2765#; DST 5331-
43, 90 min, rec 195'
mud.

SPUD: 5-29-52

TD: 7015

CSG: 13-3/4" @ 617

COMPL: 10-4-52

PB:

PERF:

PROD. ZONE:

INIT. PROD: Plugged & Abandoned.

10-23-52

*For Electric Logs on Rocky Mountain Wells—Ask Us!

UNION OIL COMPANY

CASING RECORD

WELL NO. Union No. 1
Strawberry Unit - Wildcat
 (FIELD)
Wasatch County, Utah
 (COUNTY)
 T. 35 S. 35 R. 11W US & M.

DRILLING REPORT

Rotary
 (TOOLS)
28 September, 1952
 (PERIOD ENDING)

20" C 25'
 13-3/8" C 617'

OCT 7 - 1952
 (NOTE INEFFECTIVE CASING)

DATE	DEPTH		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
1952						
9-22	6637	6655	Siltstone		Eastman	Drilled with bit #122 HFC-W7, 9-7/8" hole, on 15 - 7" x 30' drill pipe. Table speed 65 RPM, maximum weight on bit 50,000 pounds, working blowout preventers each trip. In mixing for volume the viscosity of the mud climbed to 90 seconds. Bringing it down with addition of water. Cored No. 9, 6838-6848. Recovered 10 feet. Reamed rat hole and drilled.
9-23	6655	6688	Siltstone	6670	3°	Drilled. After reaming the rat hole, the W7 bit drilled 23 feet. A Reed 2C followed and had to ream 25' to bottom. This bit made 17' of new hole and left 6' of out-of-gage hole.
9-24	6688	6730	Siltstone			Drilled.
9-25	6730	6761	Siltstone			Drilled. High clutch tube went out. Will repair when new parts arrive.
9-26	6761	6795	Siltstone	6768	2°	Drilled.
9-27	6795	6801	Siltstone			Drilled. Out of the hole and started repairs on high clutch at 8:00 A.M. Repairing.
9-28	6801	6817	Siltstone			Completed repairs at 5:00 A.M. Went in the hole with rock bit and junk basket to drill 2 feet of new hole and prepare to core. Out of the hole and in with core barrel. Coring string; 8-3/8" diamond core head on 6-3/4" x 60' core barrel on Shaffer Safety Jar on 9 - 7" x 30' drill collars on 1 1/2" drill pipe. Drilling speed from 6650 to 6803 varied from 2 to 3 feet per hour. Average bit run was 25.5 feet. Will try to better penetration rate and lower operational cost by diamond coring.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER 068640
UNIT Strawberry

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Wasatch Field Strawberry Unit - Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 19 52,

Agent's address 444 Sherman Street Company Union Oil Co. of California
Denver 9, Colorado Signed F. C. Ball by: [Signature]

Phone SH 2411 Agent's title Division 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 SW 35	3S	11W	1							Coring

RECEIVED
OCT 13 1952

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.)

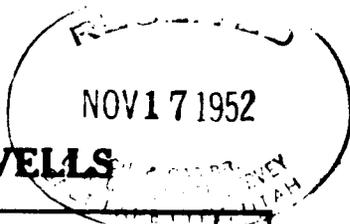
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ORIGINAL FORWARDED TO CASPER

Land Office Salt Lake City
Lease No. 060610
Unit Strawberry



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

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

..... 3 October, 19 52

Well No. Union #1 is located 612.7 ft. from N line and 398 ft. from W line of sec. 35

S4 Sec. 35
(4 Sec. and Sec. No.)

3 South 11 West
(Twp.) (Range)

U.S.M.
(Meridian)

Strawberry Unit
(Field)

Wasatch
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 7613.3 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 intended to plug to abandon the above well at a depth of 7015 feet.
The proposed plugs are:

- Plug #1 6025-5985
- Plug #2 5785-5730
- Plug #3 625- 600 (Base of surface pipe)
- Plug #4 27- 17 (Top of surface)

These plugs will cover all water zones and a plug at top and bottom of casing. A 4" pipe will be cemented in top plug and extend above ground 4 feet. The name of the well, location, elevation, lease number and land office will be stamped on pipe.

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

Company Union Oil Company of California

Address 444 Sherman Street

Denver 9, Colorado

By Carl A. Johnson

Approved 10:35 a.m. 11/17/52
H. C. Smith

Title Petroleum Engineer

35-35-11W

Carl Johnson Union Oil Co 70-283-52

Southern Valley Strawberry Unit - Union #1

Dwg. 6977'

Carter Farm cont 7000'

(EW says 3rd well on unit)
OK to depth 103

to Plug

2 DST 6010-15' as will plug 25 on 6025-5985'

5749-73' 25 on at 5780' 32 on 5785-30'

rest imperm from present info. If EL shows
other perm zones will cement same

617' surface pipe - 25 on at 625'

12 1/4" hole to 4035' 1.47' on

9 7/8" " to 6803' 2 5/8" on 2.26

8 7/8" " to 6977' 3.14' on

covered 207' - 6770 - 6977'

set reg markers in 6' cement

Plug

#3 25 on 625'-600'

#4 10 on at top

OK to plug 10-3-52 orally

UNION OIL COMPANY

CASING RECORD
20" C 25'

13-3/8" C 617'

DRILLING REPORT

Union #1

Washberry Unit - Wildcat

(FIELD)

Wasatch, Utah

(COUNTY)

Rotary

(TOOLS)

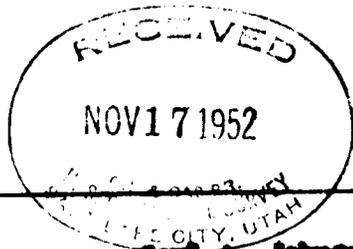
5 October, 1952

(PERIOD ENDING)

35 T. 38 R. 11W U.S. & M.

(NOTE INEFFECTIVE CASING)

DATE 1952	DEPTH		FORMATION	INCLINATION		REMARKS
	FROM	TO		DEPTH	CORRECT ANGLE	
9-29	6819	6861	Siltstone			Cored with 8-3/8" diamond core head on 6-3/4" x 60' Christensen Diamond Core barrel on Shaffer jar safety on 9 - 7" x 30' drill collars on 1/2" drill pipe. Table speed 75 RPM, coring weight 18,000 pounds. Pulled core #10 6803-61. Recovered 58 feet.
9-30	6861	6905	Siltstone			Cored core #11.
10-1	6905	6946	Siltstone			Cored. Pulled core #11 6861-6919. Recovered 58 feet.
10-2	6946	6977	Siltstone			Cored. Pulled core #12 6919-6977. Recovered 58 feet. Going in hole for core #13 a roughneck reported seeing a tong die fall into the hole. While the probability of a die entering the hole with a pipe wiper on the pipe was remote, the core head was pulled out and went in with a H.T.G. W-7 7-7/8" bit on a junk sub on 6 - 6-1/8" drill collars on 6 - 7" drill collars on 1/2" drill pipe to mill up junk. No junk was apparent in the hole. When bit was pulled, some hard facing had been chipped off; junk sub had hard facing chips in it.
10-3	6977	7009	Siltstone			Cored. Pulled core #13 6977-6996. Recovered 19 feet. When connection was made at 6993, the rig was serviced. Coring was resumed without circulating just off bottom. Three feet was cored and pump raised 200 p.s.i. Core head was pulled and found an "O" ring present. Went in with 7-7/8" W-7 bit to drill remaining hole. Drilled 6996-7009.
10-4	7009	7015	Siltstone			Drilled. Ran Schlumberger at 7015. Schlumberger depth 7011. Plugged to abandon with H2O00 plugging the following intervals, laying down drill pipe coming out: Plug #1 6025-5985 25 sacks #2 5785-5730 32 sacks #3 625- 600 25 sacks
10-5	7015	Total depth				Taking off blowout preventers and ran plug #4 by hand 27-17. A 1/2" pipe was set in top plug 4 ft. above ground level stenciled with location, elevation and well name. Rig released at 8:00 A.M.



NAMES OF DRILLERS:

Reden-Glauch-Reinert

Carl A. Johnson

LOG SHEET

Company: UNION OIL COMPANY
 Lease: Strawberry Unit
 Well No: Union #1
 Section: 35, T. 38, R. 11W

RECEIVED
 JUL 17 1952

Spudded in: 5-29-52
 State: Utah
 County: Wasatch

Size	Make of Bit	Type	Serial No. of Bit	Depth From	To	Footage	Hrs. Run	REMARKS
12 1/2	HTC	OSC-1	97785	25	131	106	19.2	
12 1/2	HTC	OSC-1	90817	131	227	96	16.1	
12 1/2	HTC	OSC-3	88072	227	304	77	15.1	
12 1/2	HTC	OWC-BTU	84485	304	372	68	12.1	
12 1/2	HTC	OSC-1	97725	372	418	46	8.8	
12 1/2	HTC	OWC-BTU	84545	418	484	66	12.7	
12 1/2	HTC	OWC-U	97630	484	542	58	10.1	
12 1/2	HTC	OWC-BTU	97631	542	589	47	8.9	
12 1/2	HTC	OWC-U	97656	589	638	51	9.5	
12 1/2	Sec.	OW	71115	638	657	19	5.3	
12 1/2	Sec.	CFF	63311	657	683	26	6.5	
12 1/2	Sec.	CFF	30080	683	716	33	5.8	
17 1/2	Sec.	H.O.Set #1	2627	44	137	93	13	
17 1/2	Sec.	H.O.Set #2	2696	137	203	66	13	
17 1/2	Sec.	H.O.Set #3	2696	203	292	89	17	
17 1/2	Sec.	H.O.Set #4	2618	292	380	88	13 1/2	
17 1/2	Reed	M	2043	380	398	18	8.5	
17 1/2	Sec.	H.O.Set #5	2618	398	438	40	10.5	
17 1/2	Sec.	H.O.Set #6	2618	438	458	20	7 1/2	
17 1/2	Sec.	H.O.Set #7	2696	458	474	16	4 1/2	
17 1/2	Sec.	H.O.Set #8	2627	474	490	16	5 1/2	
17 1/2	Sec.	H.O.Set #9	2696	490	505	15	6.2	
17 1/2	Sec.	H.O.Set #10	2627	505	531	26	5.7	
17 1/2	Sec.	H.O.Set #11	2627	531	546	15	5.5	
17 1/2	Sec.	H.O.Set #12	2627	546	556	10	5.6	
17 1/2	Sec.	H.O.Set #13	2696	556	562	6	3.7	
17 1/2	Sec.	H.O.Set #13 RR	2696	562	567	5	2	
17 1/2	Sec.	C	28796	567	581	14	8	Straightening. Bit OK. Teeth dubbed.
17 1/2	Sec.	AB	75634	581	588	7	5 1/2	Straightening. Bit OK. Teeth dubbed.
17 1/2	Reed	M	2027	588	594	6	7 1/2	Straightening. Bit OK. Teeth dubbed.
17 1/2	Sec.	C	28796	594	602	8	5 1/2	Straightening. Retipped
17 1/2	Sec.	AB	75634	602	611	9	1 1/2	Straightening. Retipped
17 1/2	Sec.	AB	75633	611	620	9	1 1/2	Straightening. Retipped
17 1/2	Sec.	C	28796	620	622	2	1 1/2	Straightening. Retipped
17 1/2	Sec.	AB	75633	622	622	0	1 1/2	Straightening. Retipped
12 1/2	Globe	MHC	220111	604	605	1	1 1/2	Straightening. Twisted off and dropped.
12 1/2	Globe	MHC	221711	605	619	14	9	Straightening. Left in hole.
12 1/2	HTC	LT3	3024	619	622	3	3 1/2	Straightening.
12 1/2	HTC	OWC	97654	622	714	C.O.	10-3/4	Cleanout. Came out flat.
12 1/2	Sec.	CFF	37816	714	723	9	6	Pulled early.

BIT LOG

Company: UNION OIL COMPANY
Lease: Strawberry Unit
Well No.: Union #1
Section: 35, T. 38, R. 11W

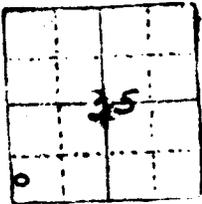
Spudded in: 5-29-52
State: Utah
County: Wasatch

Bit No.	Size	Make of Bit	Type	Serial No. of Bit	Depth		Footage	Hrs. Run	REMARKS
					From	To			
1	12 1/2	HTC	OSC-1	97785	25	131	108	19.2	
2	12 1/2	HTC	OSC-1	90817	131	227	94	16.1	
3	12 1/2	HTC	OSC-3	88072	227	304	77	15.1	
4	12 1/2	HTC	OWC-BTU	84485	304	372	68	12.1	
5	12 1/2	HTC	OSC-1	97725	372	418	46	8.8	
6	12 1/2	HTC	OWC-BTU	84545	418	484	66	12.7	
7	12 1/2	HTC	OWC-U	97630	484	542	58	10.1	
8	12 1/2	HTC	OWC-BTU	97631	542	589	47	8.9	
9	12 1/2	HTC	OWC-U	97656	589	638	51	9.5	
10	12 1/2	Sec.	OW	71115	638	657	19	5.3	
11	12 1/2	Sec.	CFF	63311	657	683	26	6.5	
12	12 1/2	Sec.	CFF	30080	683	716	33	5.8	
13	17 1/2	Sec.	H.O.Set #1	2627	44	137	93	13	
14	17 1/2	Sec.	H.O.Set #2	2696	137	203	66	13	
15	17 1/2	Sec.	H.O.Set #3	2696	203	292	89	17	
16	17 1/2	Sec.	H.O.Set #4	2618	292	380	88	13 1/2	
17	17 1/2	Reed	M	2043	380	398	18	8.5	
18	17 1/2	Sec.	H.O.Set #5	2618	398	438	40	10.5	
19	17 1/2	Sec.	H.O.Set #6	2618	438	458	20	7 1/2	
20	17 1/2	Sec.	H.O.Set #7	2696	458	474	16	4 1/2	
21	17 1/2	Sec.	H.O.Set #8	2627	474	490	16	5 1/2	
22	17 1/2	Sec.	H.O.Set #9	2696	490	505	15	6.2	
23	17 1/2	Sec.	H.O.Set #10	2627	505	531	26	5.7	
24	17 1/2	Sec.	H.O.Set #11	2627	531	546	15	5.5	
25	17 1/2	Sec.	H.O.Set #12	2627	546	556	10	5.6	
26	17 1/2	Sec.	H.O.Set #13	2696	556	562	6	3.7	
27	17 1/2	Sec.	H.O.Set #13 RR	2696	562	567	5	2	
28	17 1/2	Sec.	C	28796	567	581	14	8	Straightening. Bit OK. Teeth dubbed.
29	17 1/2	Sec.	AB	75634	581	588	7	5 1/2	Straightening. Bit OK. Teeth dubbed.
30	17 1/2	Reed	M	2027	588	594	6	7 1/2	Straightening. Bit OK. Teeth dubbed.
28RR	17 1/2	Sec.	C	28796	594	602	8	5 1/2	Straightening. Retipped.
29RR	17 1/2	Sec.	AB	75634	602	611	9	1 1/2	Straightening. Retipped.
31	17 1/2	Sec.	AB	75633	611	620	9	1 1/2	Straightening. Retipped.
28RR	17 1/2	Sec.	C	28796	620	622	2	1 1/2	Straightening. Retipped.
31RR	17 1/2	Sec.	AB	75633	622	622	0	1 1/2	Straightening. Retipped.
32	12 1/2	Globe	H2C	220111	604	605	1	1 1/2	Straightening. Twisted off and dropped.
33	12 1/2	Globe	MH2C	221711	605	619	14	9	Straightening. Left in hole.
34	12 1/2	HTC	LT3	3024	619	622	3	3 1/2	Straightening.
35	12 1/2	HTC	OWC	97654	622	714	C.O.	10-3/4	Wheeler. Came out flat.
36	12 1/2	Sec.	CFF	37816	714	723	9	6	Pulled early.

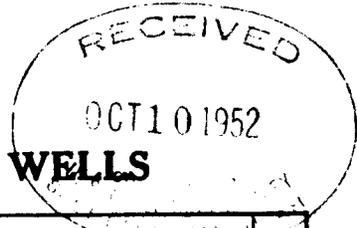
Form 9-351a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City
Lease No. 068640
Unit Strawberry



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



ORIGINAL FORWARDED TO CASPER
SUNDRY NOTICES AND REPORTS ON WELLS

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

October 7, 1952

Well No. Union #1 is located 612.7 ft. from S line and 398.0 ft. from W line of sec. 35

35 Sec. 35 (4 Sec. and Sec. No.) 3 South 11 West (Twp.) Utah Special (Meridian)
Strawberry Unit (Field) Wasatch County (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 7613.3 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)

Oct. 4, 1952 Ran Schlumberger. Total depth 7015'. Plugged and abandoned.

Plugged as follows:

Plug #1	6025 - 5985	25 sacks
#2	5785 - 5730	32 sacks
#3	625 - 600	25 sacks
#4	27 - 17	10 sacks

Note: This procedure was approved by Mr. H. C. Schoffield on Oct. 3, 1952.

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

Company Union Oil Company of California

Address 444 Sherman Street

Denver 9, Colorado

By Carl A. Johnson

Approved 7-27-54
H. Seville

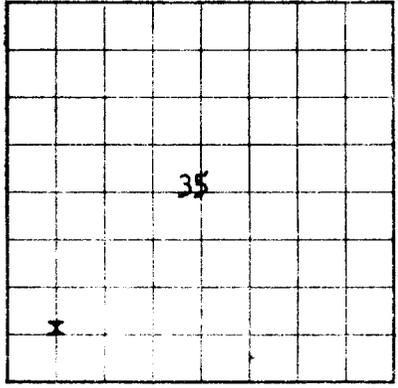
Title Petroleum Engineer

13

Budget Bureau No. 42-R355.1
Approval expires 11-30-49.

Form 9-330

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER 068640
LEASE OR PERMIT TO PROSPECT Strawberry Unit



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Extra

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Union Oil Company of California Address 1414 Sherman St., Denver, Colorado
Lessor or Tract Strawberry Unit Field Wildcat State Utah
Well No. Union #1 Sec. 35 T. 3S R. 11W Meridian USM County Wasatch
Location 612.7 ft. N of S Line and 398 ft. E of W Line of Sec. 35 Elevation 7613.3
(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.

Date Oct. 13, 1952 Signed [Signature] Title Geologist

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

Commenced drilling May 29, 1952 Finished drilling October 4, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to None
No. 2, from None to None
No. 3, from None to None
No. 4, from None to None
No. 5, from None to None
No. 6, from None to None

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
20"	39#	Slip joint	Amoco	From surface to 251'					
13-3/8"	44#	H-10		From surface to 517'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	251'		Hand		
13-3/8"	617'	425	Halliburton		

PLUGS AND ADAPTERS

U. S. GEOLOGICAL SURVEY

TOOLS USED

Rotary tools were used from **surface** feet to **total** / **depth** feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 4, 1952 Put to producing Abandoned October 4, 1952

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

Loffland Brothers Driller _____, Driller _____
 Contractor Driller _____, Driller _____

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
25	155	130	Vinta Formation Siltstone, red, pink, sandy and slightly calcareous with thin interbeds of red, orange, red-brown and green silty calcareous shale.
155	215	60	Interbedded variegated siltstone and shale.
215	Top of Green River		
215	480	265	Siltstone, gray-green, dark green, fine, calcareous and shaley with thin interbeds of gray-white, medium to coarse, calcareous siltstone and stringers of variegated shale.
480	2595	2115	Siltstone, dark green and gray-green with some interbedded medium to coarse gray-white siltstone; and thin stringers of variegated shale and rarely a thin stringer of dense argillaceous limestone.
2595	3490	895	Siltstone, gray-green, gray and gray-white, calcareous; with much interbedded gray and greenish gray, soft, calcareous shale; occasional stringer of very coarse gray-white calcareous siltstone or very fine grained sandstone; and occasional stringer of dense argillaceous limestone.

(OVER)

FORMATION

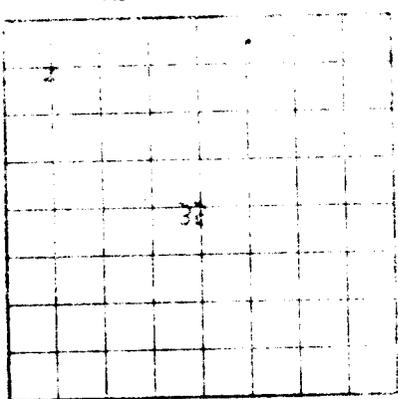
FROM	TO	TOTAL FEET	FORMATION
3490	3800	310	Shale, gray-green, green, traces olive green, dark green and black; with occasional stringer of variegated siltstone and shale.
3800	4610	810	Shale, green, dark green, gray, trace green-black, brown-black, organic and calcareous; with occasional stringer of white, coarse calcareous siltstone. Some dark green ostracodal shale.
4610	5730	1120	Shale, dark-greenish-gray, gray-green, gray, brown and black, calcareous, organic, waxy and petroliferous, in part ostracodal, occasional thin bed of dense argillaceous limestone.
5730	Top of Wasatch		
5730	6560	830	Siltstone, gray, gray-green, white, calcareous with interbedded dark red, gritty calcareous mudstone; occasional thin bed of calcareous, hard and tight, very fine-grained sandstone; also some interbedded brown, black and dark green, calcareous, organic, Green River type shale
6560	7015	455	Siltstone, white, dark red, pink and red-brown calcareous and hard; with interbedded dark red gritty mudstone and occasional stringer of gray and green, calcareous, fine grained, muddy siltstone.
7015			Total depth

HISTORY OF OIL OR GAS WELL

16-43094-1 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 cracked or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

<u>Date</u>	<u>Depth</u>	<u>Remarks</u>
5-29-52	0	Spudded in with 12 1/4" bit.
7-9-52	1280	Drilled 12 1/4" to 1280. Ran Schlumberger. Opened 12 1/4" to 17 1/2" to 626'. Cemented 13-3/8" casing at 617' with 425 sacks of cement.
8-14-52	4086	Drilled 12 1/4" hole to 4035. Reduced hole to 9-7/8" and drilled ahead.
Final day	7015	Spot cored and tested 9-7/8" hole to 6996'. Drilled 7-7/8" hole to 7015. Ran Schlumberger. Laid in cement plugs with open drill pipe hung at: 6025 with 25 sacks cement, 5785 with 32 sacks cement, 625 with 25 sacks cement and at 27' with 10 sacks cement. Cemented 4" capped pipe into casing at surface. Pipe extended 4' above ground level and 5' below cellar. Well abandoned. Well name and location welded on 4" pipe.



LOG OF THE OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
UNITED STATES

NAME OF WELL
COUNTY AND STATE
LAND ACQUIRED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 43-24811
Approval expires 12-31-52
Salt Lake City

LAND OFFICE _____
LEASE NUMBER 058110
UNIT Strawberry

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Wasatch Field Strawberry Unit - Wildcat
 The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1952,
 Agent's address 444 Sherman Street Company Union Oil Co. of California
Denver 9, Colorado Signed F. C. Ball by: [Signature]
 Phone Sherman 2411 Agent's title Division 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 SW 35	3S	11W	1							Total depth 7015'
										Ran Schlumberger, plugged and abandoned on 10-4-52.
			Plug #1		6025 to 5985'		25	sacks		
			#2		5785 to 5730'		32	sacks		
			#3		625 to 600'		25	sacks		
			#4		27 to 17'		10	sacks		

RECEIVED
OCT 15 1952
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

OCT 13 1952
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

Note: The above plugging procedure was approved by telephone conversation on 10-3-52

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.