

Jan 22, Watch formation connected to pipeline  
& producing, massive formation shut-in

8-27-73 Sub. Report of Abandonment

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 R. S.

Copy NID to Field Office

Approval Letter In Unit

Disapproval Letter

COMPLETION DATA:

Date Well Completed 1-9-62

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

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

Location Inspected \_\_\_\_\_

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

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

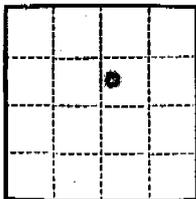
LOGS FILED

Driller's Log 2-14-62

Electric Logs (No. ) 3

E \_\_\_\_\_ I \_\_\_\_\_ E-I  GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic  Others Preparating Depth Control



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. ML 3221  
Unit Rock House

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 RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

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

August 28, 1961

Well No. 6 is located 2002 ft. from N line and 2226 ft. from E line of sec. 16

NE/4 16  
(¼ Sec. and Sec. No.)

11 S  
(Twp.)

23 E  
(Range)

Salt Lake  
(Meridian)

Ext. of Rock House Field  
(Field)

Uintah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5839 ft. (Ground) (~~Shot~~)

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)

Estimated Formation Tops:

Uintah Surface  
Green River 683  
Wasatch 3183  
Mesaverde 5048  
Sat. T. D. 6148

Casing Program:

13 3/8" - 36' casing set @200'  
Cement to circulate  
5 1/2" - 14-15.5' casing set  
thru all potential gas  
producing zones.

To test potential gas sands in the Green River, Wasatch and Mesaverde formations.

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

Company The Shamrock Oil and Gas Corporation

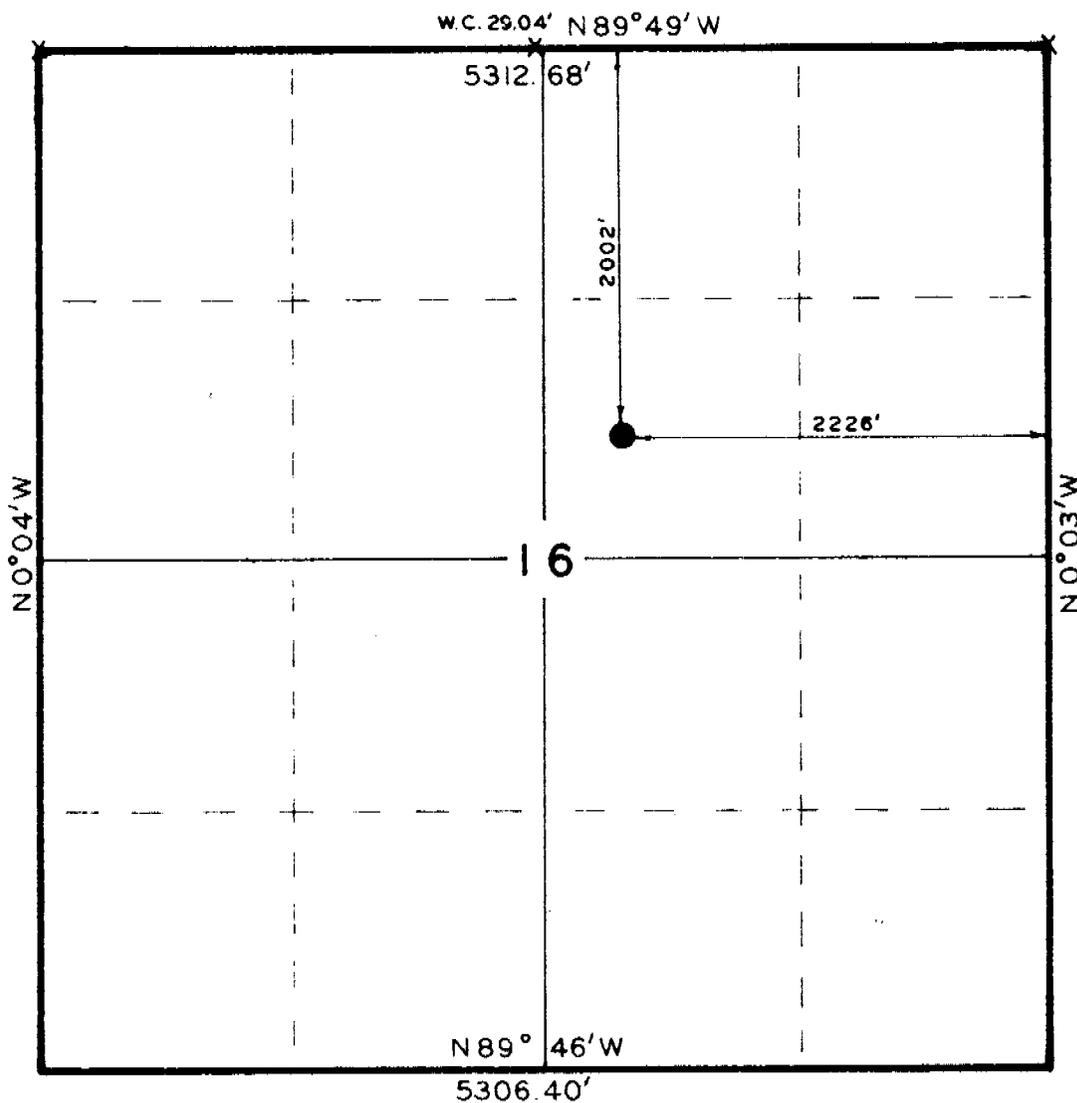
Address 1192 First Security Bank Building

Salt Lake City, Utah

By Calvin Thomas

Title District Geologist

T 11S, R 23E, SLB & M



X= Corners located (brass caps)

Scale: 1" = 1000'

By ROSS CONSTRUCTION CO.  
Vernal, Utah

*Helen Marshall*

PARTY Gene Stewart Lanny Taylor  WEATHER Fair - Warm	<p style="text-align: center;"><b>SURVEY</b></p> SHAMROCK OIL & GAS CORP. ETAL. LOC. ROCKHOUSE NO. 6, LOCATED AS SHOWN IN THE SW 1/4, NE 1/4, SEC. 16, T11S, R23E, SLB & M. Uintah County, Utah.	DATE 8/25/61 REFERENCES GLO Township Plat Approved 9/29/1923 FILE SHAMROCK
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**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

LAND OFFICE Utah  
LEASE NUMBER \_\_\_\_\_  
UNIT Rock House Unit

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Uintah Field Rock House

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1961.

Agent's address 1192 First Security Building Company The Shamrock Oil & Gas Corp.  
Salt Lake City, Utah Signed Ralph Thomas

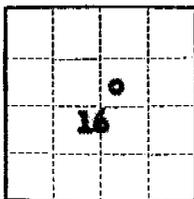
Phone DA 8-0165 Agent's title District Geologist

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)
Sec. 10 SE SE	11S	23E	1		(Lease No. U-0779)					- Well shut in awaiting pipeline outlet.
Sec. 15 SE SE	11S	23E	2		(Lease No. U-0780)					- Well was shut in and temporarily abandoned on January 25, 1961.
Sec. 11 NW SE	11S	23E	3		(Lease No. U-0778)					- Well shut in awaiting pipeline outlet
Sec. 9 SE NW	11S	23E	4		(Lease No. U-0779)					- Well shut in awaiting pipeline outlet
Sec. 13 SE SW SE	11S	23E	5		(Lease No. U-0779)					- Junked and abandoned July 14, 1961.
Sec. 13 SE SW SE	11S	23E	5-A		(Lease No. U-0779)					- Well shut in awaiting pipeline outlet.
Sec. 16 SW NE	11S	23E	6		(Lease No. ML 3221)					- Spud 9-19-61 Set 13-3/8" 48# casing at 215' w/300 sx Pomix 2% calc chloride.

NOTE.—There were \_\_\_\_\_ runs or sales of oil; None 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)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. ML 3221  
Unit Rock House

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent report of running Surface Casing</u>

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

October 17, 1961

Well No. 6 is located 2002 ft. from N line and 2226 ft. from E line of sec. 16

NE/4 16  
(1/4 Sec. and Sec. No.)

11 S  
(Twp.)

23 E  
(Range)

Salt Lake  
(Meridian)

(Field)

Utah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5033 ft. (Ground)

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 216 feet of 13-3/8" OD 40# casing. Set casing at 215 feet. Cemented with 300 sacks Pozmix with 2% calcium chloride. Cement circulated.

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

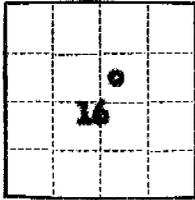
Company The Shamrock Oil and Gas Corporation

Address 1192 First Security Building

Salt Lake City, Utah

By Ralph Thomas

Title District Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. ML 3221  
Unit Rock House

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		<u>Subsequent report of running Surface Casing</u>	<u>X</u>

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

October 17, 1961

Well No. 6 is located 2002 ft. from N line and 2226 ft. from E line of sec. 16  
NE/4 16 11 S 23 E Salt Lake  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Utah Utah  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5839 ft. (Ground)

DETAILS OF WORK

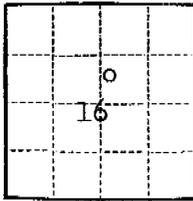
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I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Shamrock Oil and Gas Corporation  
 Address 1192 First Security Building  
Salt Lake City, Utah  
 By Ralph Hornum  
 Title District Geologist

*PS*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. ML 3221  
Unit Rock House

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	
<b>Notice of intention to run Intermediate Casing</b>	

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

October 17, 19 61

Well No. 6 is located 2002 ft. from [N] line and 2226 ft. from [E] line of sec. 16  
NE/4 16 11 S 23 E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5833 ft. (Ground)

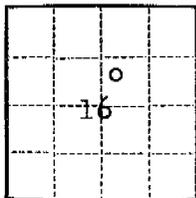
DETAILS OF WORK

(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)

Request permission to set 7" casing to approximately 5,220 feet to protect productive zones. To cement casing with 600 sacks of common cement.

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

Company The Shamrock Oil and Gas Corporation  
 Address 1192 First Security Building  
Salt Lake City, Utah  
 By Ralph Thomas  
 Title District Geologist



(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. ML 3221  
Unit Rock House

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		<u>Subsequent Report of Running</u>	
		<u>Intermediate Casing</u>	X

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

October 18, 19 61

Well No. 6 is located 2002 ft. from N line and 2226 ft. from E line of sec. 16  
NE/4 16 11 S 23 E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5833 ft. (Ground)

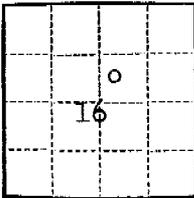
DETAILS OF WORK

(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 166 joints (5220.59') of 7" 23# J-55 casing. Set casing at 5,220 feet. Cemented with 600 sacks of common cement. Ran McCullough temperature log. Found top of cement at 2,940'.

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

Company The Shamrock Oil and Gas Corporation  
Address 1192 First Security Building  
Salt Lake City, Utah  
By Ralph Roman  
Title District Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. ML 3221  
Unit Hook House

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	<u>Subsequent Report of Running</u>	
	<u>Intermediate Casing</u>	<u>X</u>

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

October 18, 19 61

Well No. 6 is located 2002 ft. from N line and 2226 ft. from E line of sec. 16  
NE/4 16 11 S 23 E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5833 ft. (Ground)

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)

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

Company The Shamrock Oil and Gas Corporation  
 Address 1192 First Security Building  
Salt Lake City, Utah  
 By Ralph Thomas  
 Title District Geologist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER \_\_\_\_\_  
UNIT Rock House Unit

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Rock House

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 61,

Agent's address 1192 First Security Building Company The Shamrock Oil & Gas Corp.  
Salt Lake City, Utah Signed Ralph Thomas

Phone DA 8-0165 Agent's title District Geologist

SEC. AND ¼ OF ¼	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)
Sec. 10 SE SE	11S	23E	1		(Lease No. U-0779)					- Well shut in awaiting pipeline outlet.
Sec. 15 SE SE	11S	23E	2		(Lease No. U-0780)					- Well was shut in and temporarily abandoned on January 25, 1961.
Sec. 11 NW SE	11S	23E	3		(Lease No. U-0778)					- Well shut in awaiting pipeline outlet.
Sec. 9 SE NW	11S	23E	4		(Lease No. U-0779)					- Well shut in awaiting pipeline outlet.
Sec. 13 SE SW SE	11S	23E	5		(Lease No. U-0779)					- Junked and abandoned July 14, 1961.
Sec. 13 SE SW SE	11S	23E	5-A		(Lease No. U-0779)					- Well shut in awaiting pipeline outlet.
Sec. 16 SW NE	11S	23E	6		(Lease No. ML 3221)					- DST #1: 3589-3630. Tool shut in 30 min., open 90 min., shut in 30 min. Gas to surface immediately. 30 min. gas gauged 2,380,000, 60 min. gauged 2,640,000, 90 min. gauged 2,810,000. Recovered 170' GCM. FP 310-518#, SIP 1619-1566#, HHP 1862-1856#. DST #2: 3459-3485 (straddle test). Tool shut in 30 min., open 60 min., shut in 30 min. Fair blow immed & thruout test. No gas to surface. Recovered 2180' wtr. FP 266-864#, SIP 1488-1313#, HHP 1840-1797#. DST #3: Misrun. DST #3A: 3768-3782. Tool shut in 30 min., open 60 min., shut in 30 min. Gas to surface in 15 min., 30 min. gas gauged 7 MCF, 45 min. gauged 11 MCF, 60 min. gauged 14 MCF. Recovered 60' GCM. FP 47-72#, SIP 1532-1644#, HHP 1928-1928#.

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ None \_\_\_\_\_ 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.

DST #4: 4149-4277. Tool shut in 30 min., open 60 min., shut in 30 min. Weak blow in med. increased to fair blow at end of test. No gas to surface. Recovered 240' slightly GCM. FP 86-92#, SIP 1105-1037#, HHP 2103-2019.

DST #5: 5082-5090. Tool shut in 30 min., open 60 min., shut in 30 min. Gas to surface in 5 min., 15 min. gas gauged 393 MCF, 30 min. gauged 365 MCF, 45 min. gauged 381 MCF, 60 min. gauged 381 MCF. Recovered 800' heavily GCM. FP 219-298#, SIP 2950-2903#, HHP 2726-2611#. (possible hole in drill pipe due to large recovery)

Drilled to 5273'. Ran logs. Schlumberger TD 5271'. Ran 166 joints (5,220,59') 7" - 23# J-55 casing. Set casing at 5120', cemented w/600 ac of cement. Pumped Plug to float collar. Ran temperature survey, found top of cement @ 2940'.

DST #6: 5368-5380. Tool shut in 30 min., open 60 min., shut in 30 min. Gas to surface in 1 min. 15 min. gas gauged 183 MCF, 30 min. gauged 193 MCF, 45 min., gauged 193 MCF, 60 min. gauged 187 MCF. Recovered 30' GCM.

FP 20-20#, SIP 2148-2149#, HHP 2716-2716#.

DST #7: 5279-5294 (straddle test). Per failed.

DST #7-A: 5281-5294. Tool shut in 30 min., open 60 min., shut in 30 min. Had fair blow immediately decreased to weak blow at end of test. Recovered 120' GCM. FP 20-70#, SIP 2212-2015#, HHP 2665-2665#.

DST #8: 5494-5513. Tool shut in 30 min., open 60 min., shut in 30 min. Weak blow that continued throughout test. No gas to surface. Recovered 110' muddy wtr and 360' wtr. FP 40-211#, SIP 2391-1756#, HHP 2628-2628#.

DST #9: 5559-5568. Tool shut in 30 min., open 45 min., shut in 30 min. Had weak blow immediately that died in two minutes. Bypassed tool twice during test. Recovered 15' drilling mud. FP 47-47#, SIP 2460-1897#, HHP 2836-2836#.

DST #10: 5576-5594. Tool shut in 30 min., open 1 1/2 hours, shut in 30 min. Opened with strong blow, decreased to fair blow. No gas to surface. Recovered 5' drilling mud. FP 31-34#, SIP 644-408#, HHP 2773-2773#.

Drilled to 5950'. Ran Schlumberger survey to 5958'.

DST #11: 5870-5958. Tool shut in 30 min., open 60 min., shut in 30 min. Had fair blow throughout test. No gas to surface. Recovered 90' very slightly GCM. FP 61-61#, SIP 322-162#, HHP 2859-2812#.

Ran 10 joints (32L.82") 4 1/2" OD 11.6# J-55 casing with Baker float collar and float shoe; 4,42' Burns liner hanger with lead seal, for a total of 326.24'. Set at 5488'. Top of liner 5162'. Ran centralizers at 5473', 5392' and 5359', cemented with 125 sacks regular. Pumped plug to float at 5454'. Ran correlation log by Schlumberger. Perforated from 4536 to 4546 w/1-35 gram jet and 1-35 gram crack jet per foot.

DST #12: 4528-5174. Tool shut in 30 min., open 60 min., shut in 30 min. Gas to surface in 2 1/2 min., gauged 173 MCF in 30 min., and 209 MCF in 60 min. Recovered 90' heavily GCM. FP 90-90#, SIP 1930-1980#, HHP 2265-2265#.

Ran correlation log in liner to 5454'. Perforated with 1 - 35 gram jet and 1 - crack jet per foot from 5372 to 5384, 5084 to 5095, 3776 to 3780, and 3594 to 3616. Ran long string of tubing and set in Baker Model "D" production packer at 5140'. Ran short string of tubing and set in parallel string anchor at 3583'. Swabbed Mesaverde. Show of gas, fluffy mud and diesel. Swabbed Wasatch, mud and diesel. Fraced Mesaverde as follows: 35 barrels diesel preflush with 10 gallons freeflow added; 5000 gallons galled diesel with 4000# of 20-40 sand and 450# Mark II admite. Flushed with 30 barrels diesel. Treated at 5000# at 6 barrels per minute down 2-3/8" tubing. Swabbed and flowed 14 barrels water cut diesel. Gas tested 132 MCF.

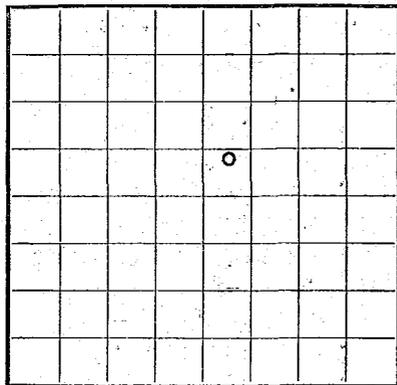
Fraced Wasatch as follows: Broke down with 180 barrels diesel with 100 ball sealers. No pressure increase when balls hit. Flowed back 5 barrels to remove balls. Treated with 150 barrels diesel preflush. Fraced with 19,400 gallons diesel and 1750# of 12-16 mesh aluminum pellets and 950# admite. Used 55 ball sealers during frac. Flushed with 160 barrels diesel. Treated at 2800# at 30 barrels per minute. Swabbed and flowed. Recovered 130 barrels diesel in ten hours. Gas gauged 4050 MCF through 28/64" choke.

Testing.

*Collect*  
*Fidelity Union State*

10/1

U. S. LAND OFFICE Utah  
SERIAL NUMBER U-1001  
Rock House Unit  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Shamrock Oil & Gas Corporation Address 870 First Security Building, SLC, Utah

Lessor or Tract Rock House Unit Field Rock House State Utah

Well No. 6 Sec. 16 T. 11S R. 23E Meridian Salt Lake County Uintah

Location 2002 ft. <sup>N</sup> of N Line and 2226 ft. <sup>W</sup> of E Line of Section 16 Elevation 5962  
(Derrick floor relative to sea level)

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

Signed Edwin B. Isbell

Date February 13, 1962 Title Geologist

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

Commenced drilling September 19, 1961 Finished drilling October 24, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3590 to 3622 (G) No. 4, from 5082 to 5094 (G)

No. 2, from 3770 to 3780 (G) No. 5, from 5377 to 5384 (G)

No. 3, from 4536 to 4548 (G) No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
13-3/8	48#			215'					Surface
7"	23#		J-55	5220'	Float		4536	4546	Protection
4 1/2"	11.6#		J-55	321'	Float		3594	3616	Liner
							3776	3780	
							5084	5095	
							5372	5384	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	215	300 sx	Common		
7"	5220	600 sx	Common		
4 1/2"	5488	125 sx	Common		

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

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

FOLD MARK

**MUDDING AND CEMENTING RECORD**

5372 5384

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	215	300 sx	Common		
7"	5220	600 sx	Common		
4 1/2"	5488	125 sx	Common		

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from 0 feet to 5950 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

Wasatch Complete 11-18, 19 61 Put to producing January 9, 19 62

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 4,050 H Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 1480

**EMPLOYEES**

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0	770	770	Sd & Sh TOPS
770	2600	1830	Oil Sh & Sd Green River 770
2600	2920	320	Sh Wasatch 3280
2920	3280	360	Lime, Sd, Sh Mesaverde 5142
3280	3460	180	Sh
3460	3665	205	Sd & Sh
3665	4925	1260	Sh & Sd
4925	5300	375	Sd & Sh
5300	5650	350	Sh & Sd
5650	5950 (T.D.)	300	Sd & Sh

[OVER]

**HISTORY OF OIL OR GAS WELL**

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 9-19-61  
 Set 13-3/8" casing at 215' w/300 sx.  
 DST #1: 3589-3630. Tool SI 30 min., open 90 min., SI 30 min. GTS immed.  
 30" gas gg 2,380,000, 60" gas gg 2,640,000, 90" gas gg 2,810,000. Rec 170' GCM.  
 FP 310-518, SIP 1619-1566, HHP 1862-1856.  
 DST #2: 3459-3485 (straddle test). Tool SI 30 min., open 60 min., SI 30 min.  
 Fair blow immed & thruout test. NGTS. Rec 2180' wtr. FP 266-864, SIP 1488-1313,  
 HHP 1840-1797.  
 DST #3: Tool stopped 105' from bottom.  
 DST #3-A: 3768-3782. Tool SI 30 min., open 60 min, SI 30 min. GTS in 15 min.  
 30 min. gas gg 7 MCF, 45 min. gas gg 11 MCF, 60 min. gas gg 14 MCF. Rec 60'  
 GCM. FP 47-72, SIP 1532-1644, HHP 1928-1928.  
 DST #4: 4149-4277. Tool SI 30 min., open 60 min., SI 30 min. Weak blow immed increas  
 to fair blow at EOT. NGTS. Rec 240' sli GCM. FP 86-92, SIP 1105-1037, HHP 2103-  
 2019.  
 DST #5: 5082-5090. Tool SI 30 min., open 60 min., SI 30 min. GTS in 5 min.  
 15 min. gas gg 333 MCF, 30 min. gg 365 MCF, 45 min. gg 381 MCF, 60 min. gg 381  
 MCF. Rec 800' heavily GCM. FP 219-298, SIP 2350-2303, HHP 2726-2601.  
 Drilled to 5273'. Ran Schlumberger logs. Schlumberger TD 5271.  
 Set 7" casing at 5220' with 600 sx common cement.  
 Ran temperature survey. Top of cement 2940'.  
 DST #6: 5368-80. Tool SI 30 min., open 60 min., SI 30 min. GTS in 1 min.  
 15 min. gas gg 183 MCF, 30 min. gg 193 MCF, 45 min. gg 193 MCF, 60 min. gg 187  
 MCF. Rec 30' GCM, FP 20-20, SIP 2448-2149, HHP 2716-2716.  
 DST #7: 5279-5294 (straddle test) Pkr failure.  
 DST #7-A: 5281-5294. Tool SI 30 min., open 60 min., SI 30 min. Had fair blow  
 immed decreased to wk blow at EOT. Rec 120' WCM. FP 20-70, SIP 1212-2015, HHP  
 2665-2665.  
 DST #8: 5494-5515. Tool SI 30 min., open 60 min., SI 30 min. Weak blow that  
 cont. thruout test. NGTS. Rec 110' muddy wtr and 360' wtr. FP 40-211, SIP  
 2391-1756, HHP 2628-2628.  
 DST #9: 5559-5568. Tool SI 30 min., open 45 min., SI 30 min. Had weak blo  
 immed that died in 2 min. Bypassed tool twice during test. Rec 15" drilling mud.  
 FP 47-47, SIP 2460-1897, HHP 2836-2836.  
 DST #10: 5576-5594. Tool SI 30 min., open 1 1/2 hrs, SI 30 min. Opened w/strong  
 blow, decr to fair blow. NGTS. Rec 5' drilling Mud. FP 31-34, SIP 644-408,  
 HHP 2773-2773.  
 Drilled to 5950'. Ran logs.  
 DST #11: 5870-5958. Tool SI 30 min., open 60 min., SI 30 min. Had fair blow  
 thruout. NGTS. Rec. 90' very sli GCM. FP 61-61, SIP 322-162, HHP 2859-2812.  
 Ran 4 1/2" casing. Set casing at 5488' with 125 sx.  
 Ran correlation log.

Perf from 4536 to 4546 w/1-35 gram jet and 1-35 gram crack jet per foot.

DST #12: 4520-5174. Tool SI 30 min., open 60 min., SI 30 min. GFS in 2½ min., 88 173 MCF in 30 min. and 209 MCF in 60 min. Rec 90! HCCM. FP 90-90, SIP 1930-1980, HHP 2285-2265.

Ran correlation log in liner to 5454'. Perf with 1-35 gram jet and 1-crack jet per ft from 5372 to 5384, 5084 to 5095, 3776 to 3780, and 3594 to 3616. Ran long string of tubing and set in Baker Model "D" production packer at 5140'. Ran short string of tubing and set in parallel string anchor at 3583'. Fraced Mesaverde as follows: 35 bbls diesel preflush w/10 gallons preflow added; 5000 gallons gelled diesel w/4000# of 20-40 sd & 450# Mark II adomite. Flushed w/30 bbls diesel. Treated at 5000# at 6 bbls per min. down 2-3/8" tubing. Swabbed and flowed 14 bbls water cut diesel. Gas tested 132 MCF.

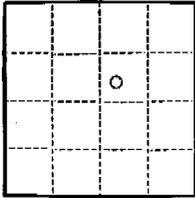
Fraced Wasatch as follows: Broke down w/180 bbls diesel w/100 ball sealers. No pressure increase when balls hit. Flowed back 5 bbls to remove balls. Treated w/150 bbls diesel preflush. Fraced with 19,400 gallons diesel and 1750# of 12-16 mesh aluminum pellets and 950# adomite. Used 55 ball sealers during frac. Flushed with 160 bbls diesel. Treated at 2800# at 30 bbls per min. Swabbed and flowed. Rec 130 barrels diesel in 10 hrs. Gas gg 4050 MCF thru 28/64" choke.

Completion Report: Wasatch - Gas volume measured 4,050 MCF/GPD through 28/64" choke. Flowing tubing pressure 1080, flowing casing pressure 1220. SITP 1460, SICP 1480. Completion date 10-30-61.

Mesaverde - shut in. Operation suspended, November 17, 1961.

Copy N. L. C.

PMB  
7



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. NU-3221  
Unit Rock House

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

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

October 18, 19 62

*Rock House*

Well No. 6 is located 2002 ft. from N line and 2226 ft. from E line of sec. 16

SW NE 16                      11 S                      23 E                      Salt Lake  
(1/4 Sec. and Sec. No.)                      (Twp.)                      (Range)                      (Meridian)  
Rock House                      Utah                      Utah  
(Field)                      (County or Subdivision)                      (State or Territory)

The elevation of the derrick floor above sea level is 5851 ft. K.B.

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)

Request permission to abandon the Mesaverde zone. Will pull both strings of tubing and set Baker cast iron bridging plug at 5,120 feet. Will re-run short string of tubing and install sucker rods in pump jack. To place Wasatch producing zone on pump.

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

Company The Shamrock Oil and Gas Corporation

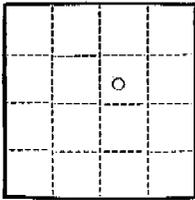
Address 870 First Security Building

Salt Lake City 11, Utah

By *Calvin Thomas*

Title District Geologist

Copy H.L.C



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. ML-3221  
Unit Rock House

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	X
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 19, 19 62

Well No. 6 is located 2002 ft. from N line and 2226 ft. from E line of sec. 16  
SW NE 16 11 S 23 E Salt Lake  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rock House Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5851 ft. K.S.

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)

Pulled both strings of tubing. Set cast iron bridging plug at 5,120 feet. Mesaverde zone completed as dry and abandoned 10-17-62. Ran short string of tubing and rods. To place well on pump.

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

Company The Shinarump Oil and Gas Corporation  
 Address 870 First Security Building  
Salt Lake City 11, Utah  
 By [Signature]  
 Title District Geologist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other Instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

ML 3221

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rock House Unit

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 16, T11S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR

Box 631, Amarillo, Texas 79105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

SW NE 2002' from north line and 2226' from east line of Section

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

5904' KB 5892' Gr.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Proposed Plugging Procedure:

Spot 200' plug with 30 sacks from 3,600' - 3,400'.

Perforate at 1,400' and cement with 235 sacks inside and outside 7" casing from 1,400' to 550'.

Perforate at 100' and circulated cement with 60 sacks inside and outside to surface.

230 barrels of mud for job.

Install dry hole marker.

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE 11-17-72

BY [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED W. W. Hillingworth TITLE Mgr. Drilling Operations

DATE 11-17-72

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

43 047-15813

\*See Instructions on Reverse Side

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

SUBMIT IN TRIPlicate\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

**ML 3221**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Rock House Unit**

9. WELL NO.

**6**

10. FIELD AND POOL, OR WILDCAT

**Wasatch**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

**Sec. 16, T11S, R23E**

12. COUNTY OR PARISH

**Uintah**

13. STATE

**Utah**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**Diamond Shamrock Corporation**

3. ADDRESS OF OPERATOR  
**Box 631, Amarillo, Texas 79173**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**SW NE 2002' from north line and 2,226' from east line of Sec.**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5904' KB; 5892' Gr.**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Plugging Procedure:**

Displaced 30 sacks of regular cement with 133 barrels of mud to 3,400'. Perforated with 4 holes at 1,400'. Displaced 235 sacks of regular cement with 21.5 barrels of mud. Perforated 4 holes at 100'. Displaced 110 sacks of regular cement with no returns. Over-displaced with 5 barrels. Mixed 75 sacks of cement and circulated to surface. Completed as plugged and abandoned 8-27-73. Witnessed by Ron Alexander with U.S.G.S.

18. I hereby certify that the foregoing is true and correct

SIGNED W.W. Kelly Smith TITLE Mgr. Drill. Oper. DATE 8-29-73

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE\*  
(Other instructions on re-verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

ML 3221

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rock House Unit

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 16, T11S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR  
Box 631, Amarillo, Texas 79173

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

3. NE 2002' from north line and 2,226' from east line of Sec.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5904' KB, 5892' Gr.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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18. I hereby certify that the foregoing is true and correct

SIGNED

*W. V. Stellingma*

Mgr. Drill. Oper.

DATE

8-29-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: