

## FILE NOTATIONS

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 PNBCopy NID to Field Office Approval Letter Disapproval Letter 

## COMPLETION DATA:

Date Well Completed 3-14-63OW  WW \_\_\_\_\_ TA \_\_\_\_\_

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

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

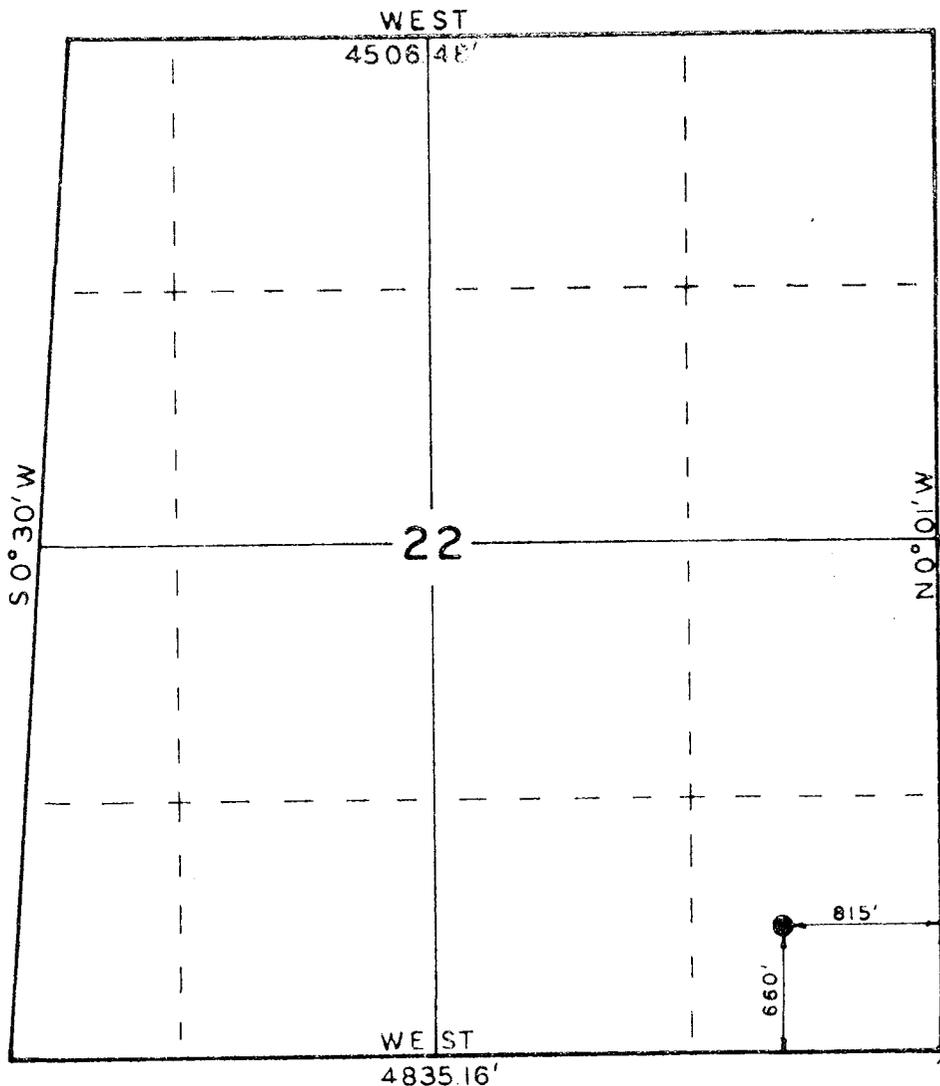
Bond released \_\_\_\_\_

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

## LOGS FILED

Driller's Log 3-20-63Electric Logs (No. 1) 2E \_\_\_\_\_ I \_\_\_\_\_ E-I  GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic  Others \_\_\_\_\_

T9S, R15E, SLB&M



X = Corners Located (brass caps)

Scale: 1" = 1000'

Elevation: 6422.39 GL

*Nelson J. ...*

By: ROSS CONSTRUCTION CO.  
Vernal, Utah

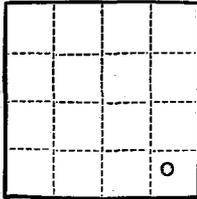
PARTY  
G. Stewart  
L. Taylor

WEATHER Windy - Cold

**SURVEY**  
SHAMROCK OIL & GAS CORP.  
WELL LOC. CASTLE PEAK NO.3 LOCATED AS  
SHOWN IN THE SE 1/4, SE 1/4, SEC. 22, T9S, R15E,  
SLB & M. DUCHESNE COUNTY, UTAH.

DATE 11/15/62  
REFERENCES  
GLO Township Plat  
Approved 9/23/1911  
FILE SHAMROCK

Copy H.L.C.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. U-027345  
Unit Castle Peak

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)

Castle Peak Unit ..... January 16 ..... 19 63

Well No. 3 is located 660 ft. from S line and 615 ft. from E line of sec. 22  
SE SE 22 9 S 15 E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Unnamed Castle Peak Unit Dushorne Utah  
(Field) (County or Subdivision) (State or Territory)  
Development Well

The elevation of the derrick floor above sea level is 6434 ft. K.D.

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)

<b>Estimated Formation Tops:</b>	<b>Casing Program:</b>
Uintah Surface ✓	13-3/8" 48# casing set @ 200' ✓
Green River 1560 ✓	Cement to circulate
Est. T. D. 6200 ✓	5 1/2" 14-15.5# casing set through all potential producing zones.

To test potential producing horizons in the Green River formation. ✓

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 Ralph Thomas  
 Title District Geologist

January 17, 1963

Shamrock Oil and Gas Corporation  
870 First Security Building  
Salt Lake City 11, Utah

Attn: Ralph Thomas,  
District Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Castle Peak Unit #3, which is to be located 660 feet from the south line and 815 feet from the east line of Section 22, Township 9 South, Range 15 East, S12M, Duchesne County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURGHELL, Chief Petroleum Engineer  
Office: DA 8-5771 or DA 8-5772  
Home: CR 7-2890  
Salt Lake City, Utah

This approval terminates within 90 days if the above well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

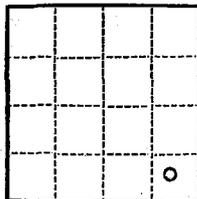
CLEON B. FREIGHT  
EXECUTIVE DIRECTOR

CBF:cp

cc: D. F. Emmell, Dist. Eng.  
USGS - Salt Lake City, Utah

H. L. Counts, Pet. Eng.  
OGCS - Moab, Utah

Copy H.L.C.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. U-027345  
Unit Castle Peak

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

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

Castle Peak January 25, 1963

Well No. 3 is located 660 ft. from S line and 415 ft. from E line of sec. 22  
SE SE 22 9 S 15 E Salt Lake  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Unnamed Duchesne Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6434 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 change surface casing program from 13-3/8" casing to 9-5/8" casing. Casing to be set @ 200'. Cement to circulate. ✓  
OK

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

Company The Shavrook Oil and Gas Corporation  
 Address 870 First Security Building  
Salt Lake City 11, Utah  
 By Leyle Thomas  
 Title District Geologist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER \_\_\_\_\_  
UNIT Castle Peak

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Duchesne Field Unnamed

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1963,

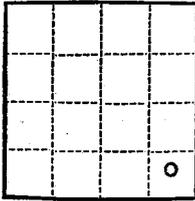
Agent's address 870 First Security Building Company The Shamrock Oil and Gas Corp.  
Salt Lake City 11, Utah Signed Ralph Shaw

Phone 328-0165 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. 24 NW SE	9S	15E	1	31	600.84		(Lease No. 02458)			
Sec. 24 NW SW	9S	15E	2				(Lease No. 02458)			
										DST #5: 4697-4711. SI 30 min., op 4 hrs., SI 2 hrs. Had wk ble for 30 min., incr to good ble in 60 min., continued good to end of test. Rec 890' NG&OC drilling fluid of which about 5% of total rec was oil. FP 109-396, SIP 858-984, HHP 2259-2210.
										DST #6: 4752-71. SI 30 min., op 4 hrs, SI 2 hrs. Strg ble immed, GTS in 90 min., TSTM. Rec 140' drilling mud. FP 81-93, SIP 725-1273, HHP 2275-2259.
										DST #7: 4894-4919. SI 30 min., op 4 hrs, SI 2 hrs. Good blow thruout, GTS 3 hrs 20 min. Rec 675' fluid which was 60' clean blk HPP oil, 615' drilling fluid O&GC thruout. FP 100-245, SIP 683-1539, HHP 2324-2314.
										DST #8: 5050-68. SI 30 min., op 2 hrs, SI 1 hr. Had wk blow immed, cont thruout test. Rec 305' drilling fluid w/ sli show of oil. FP 159-157, SIP 253-311, HHP 2381-2375.
										DST #9: 5112-5169. SI 30 min., op 60 min., SI 45 min. Had very wk ble for 15 min. and died. Rec 10' oil and 20' drilling mud. FP 9-13, SIP 252-79, HHP 2426-2413.
										DST #10: 5172-5211, SI 30 min., op 60 min., SI 45 min. No blow, rec 20' drilling mud. FP 3-3, SIP 78-6, HHP 2435-2435. Drilled to 5500'. Ran logs. Set 5 1/2" casing at 5346' w/520 sx. Moved in completion unit. Ran wire line to 5248'. Picked up 2-7/8" OD tubing. Cleaned out cement to 5286'. Ran bond log and correlation log. Schlumberger TD 5286. Perforated w/radial crack jet (4 shots) at 5253', 5063', and 5053'. Set bridging plug at 5262' and Model R packer at 5226'. Broke formation w/250 gal 10% acetic acid. Formation broke at 3600#. Pumped in at 1 bbl per min. at 3500#.

NOTE.—There were 1 (933.34 barrels) 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.



*Copy H.L.C.*

(SUBMIT IN TRIPLICATE)

Land Office Utah  
Lease No. U-027345  
Unit Castle Peak

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF 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.....	<b>Subsequent report of running surface casing</b> .....
	<b>K</b>

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

*Castle Peak*

February 1, 1963

Well No. 3 is located 660 ft. from S line and 815 ft. from E line of sec. 22  
SE SE 22 9 S 15 E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Unamed Duchesne Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6434 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)

Ran 226.93 feet of 9-5/8" casing. Set casing at 225 feet. Cemented with 110 sacks of regular cement with 2% calcium chloride added. Cement circulated.

Spud 1-31-63

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 Ralph Thomas  
Title District Geologist

Sec. 24 98 15E 2  
NW SW

(continued)

Treated perfs at 5253' w/50 bbls of oil pre-flush, 5930# 20-40 sd and 6670 gal oil. Flushed w/30 bbls oil. Treated at 6000# at 6 bbls per min., decr to 4½ bbls per min. Screened out w/30 bbls of pre-flush in tubing. Used 214 bbls oil in treatment. Flowed back 14 bbls oil in 1 hr and died.

Washed sd from bridge plug and moved bridge plug to 5083'. Set pkr at 5034'. Broke perfs at 5053' to 5063' w/250 gal 10% acetic acid. Broke at 4700#, treated w/12,000# 20-40 sd, 200# walnut shells, 9710 gal oil. Flushed w/40 bbls oil. Treated at 6000# at 9 bbls per min. Used 300 bbls oil in treatment. Flowed and swabbed.

Washed off and pulled bridge plug and packer. Perf w/radial crack jets (4 shots single plane) at 4902' and 4769'. Set bridge plug at 4915', set pkr at 4865'. Treated perfs at 4902' w/250 gal 15% mud acid, 40 bbls oil pre-flush, 7000# sd, 200# walnut shells and 7655 gal oil. Flushed w/40 bbls oil. Formation broke at 6500#, treated at 6000# at 7 bbls per min. Used 240 bbl oil in treatment. Flowed back 40 bbls oil.

Washed sd from bridge plug. Raised and straddled perfs at 4769'. Treated w/250 gal 15% mud acid, 40 bbl oil pre-flush, 10,000# sd, 200# walnut shells and 9700 gal oil. Flushed w/40 bbl oil. Formation broke at 6400#. Treated at 6000# at 8½ bbl per min. Used 280 bbl oil in treatment. Flowed and swabbed.

Washed off bridge plug. Moved down and straddled perfs at 4902'. Swabbed 161 bbl in 18 hrs.

Pulled bridging plug. Perf w/radial crack jets at 4709', 4500' and 4487'. Straddled perfs at 5253'. Swabbed. Straddled perfs at 4709'. Treated w/250 gal mud acid, 40 bbls pre-flush, 10,000# 20-40 mesh sd, 200# walnut shells, and 10,200 gal frac fluid. Flushed w/40 bbls. Formation broke at 4500#, treated at 5000#, inj rate 9 bbls per min. Instant SIP 2200#. Used 325 bbls in treatment. Flowed and swabbed.

Moved up and straddled perfs at 4500' and 4487'. Treated w/250 gal mud acid, 50 bbls oil, 6000# 20-40 sd, 6000 gal oil, 150# moth balls, 250 gal mud acid and 40 bbls oil. Second stage: 3000# 20-40 mesh sd, 200# walnut shells, 3800 gal oil. Flushed w/35 bbls oil.

First stage fern broke at 3300#, TP 4800#, inj rate 9 bbls per min. Pressure incr to 5000# and broke immed when moth balls hit perfs. Second stage TP 4200#, inj rate 7 bbls per min. Used 362 bbls oil in treatment. Flowed and swabbed. Ran 2-7/8" KUE tubing. Set at 5145'. Installed pumping unit. Pumping lead oil.

Sec. 22 98 15E 3  
SE SE

(Lease No. 027345)

Spud 1-31-63. Drilled 12½" to 225'. Set 9-5/8" csg at 225' w/110 sx. WOC.

889 2 883

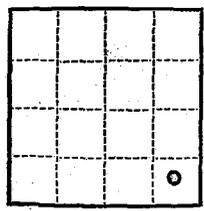
54P

Form 0-331a  
(Feb. 1951)

Copy H.R.C.

Budget Bureau No. 42-E358.4  
Approval expires 12-31-60.

DMB



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. U-027345  
Unit Castle Peak

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			
<b>Notice of intention to run casing</b>	<b>X</b>		

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

Castle Peak February 25, 1963

Well No. 3 is located 660 ft. from S line and 615 ft. from E line of sec. 22  
SE SE 22 9 S 15 E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Unnamed Duchesne Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6434 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)

Request permission to set 5 1/2" casing to approximately 4,600' to test potential oil zones in the Green River formation. To cement casing with 355 sacks of regular cement.

Rotary total depth 6,101 feet.

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 670 First Security Building  
Salt Lake City 11, Utah  
By Ralph Thomas  
Title District Geologist

STP

Form 9-331a  
(Feb. 1951)

*Cosy H. L. C.*

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

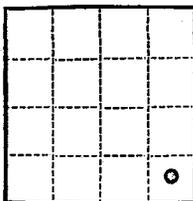
*PMB*

(SUBMIT IN TRIPLICATE)

Land Office Utah

Lease No. U-027345

Unit Castle Peak



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent report of running casing</u>	<u>X</u>

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

February 25, 1963

Well No. 3 is located 660 ft. from SE line and 815 ft. from E line of sec. 22

SE SE 22  
(¼ Sec. and Sec. No.)

9 S  
(Twp.)

15 E  
(Range)

Salt Lake  
(Meridian)

Unamed  
(Field)

Duchesne  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 6434 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)

Ran 4,630.88 feet 5 1/2" 14# J-55 casing. Set casing at 4,628'. Cemented with 355 sacks of regular cement with 1% CFR-1 added.

Rotary total depth 6,101 feet.

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 Ralph Thomas

Title District Geologist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

State Utah  
LEASE NUMBER \_\_\_\_\_  
UNIT Castle Peak

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Duchesne Field Unnamed

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 19 63,

Agent's address 870 First Security Building Company The Shamrock Oil and Gas Corp.  
Salt Lake City 11, Utah Signed Ralph Thomas

Phone 328-0165 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. 24 NW SE	9S	15E	1	28	622.87		(Lease No. 02458)			
Sec. 24 NW SW	9S	15E	2	22	1678.30		(Lease No. 02458) Completion Report: Based on 24 hr test, well pumped 55 barrels oil and no water. TP 10#, CP gauged 150 MCF. Oil is 31.6° gravity at 70° PP. Completed 2-6-63.		95% gas	
Sec. 22 SE SE	9S	15E	3				(Lease No. 027345) DST #1: 3916-28. Shut in 30 min., open 60 min. No blow for 1 hr 25 min, fair blo of test. Recovered 60' SOCM. FP 12-28, HP 1847-1847. DST #2: 4321-49. Shut in 30 min., open 2 hr 15 min., shut in 60 min. Strg blo throughout test. Recovered 2970' wtr. FP 296-1305, SIP 1501-1460, HP 2106-2100. DST #3: 4547-4566. Shut in 30 min., open 4 hrs, shut in 2 hrs. Wk blo, incr to good blo in 30 min., continued thruout test. Recovered 1810' gas in drill pipe and 150' fluid which was 60' blk gas cut HPP oil and 90' drilling mud. FP 19-47, SIP 1513-1460, HP 2194-2178. DST #4: 4698-4728. Shut in 30 min., open 4 hrs, shut in 2 hrs. Had good blo thruout, NGTS, recovered 190' SOCM and 1170' wtr. FP 117-599, SIP 1688-1619, HP 2300-2294. DST #5: 4829-40. Shut in 30 min., open 2 hrs, shut in 1 hr. Had fair blo for 1 hr, then decr to wk blo at ECT. Annulus was losing some mud thruout test. Recovered 590' drilling mud, no shp. FP 183-293, SIP 2352 (false)-725, HP 2359-2350. DST #6: 4945-63. Shut in 30 min., open 2 hrs, shut in			

NOTE.—There were 1 (2126.05 barrels) 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER \_\_\_\_\_  
UNIT Castle Peak

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Duchesne Field Castle Peak

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1963,

Agent's address 370 First Security Building Company The Shamrock Oil and Gas Corp.  
Salt Lake City 11, Utah Signed [Signature]

Phone 328-0165 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. 24 NW SE	9S	15E	1	31	(Lease No. 02458) 480.32					
Sec. 24 NW SW	9S	15E	2	31	(Lease No. 02458) 563.33					
Sec. 22 SE SE	9S	15E	3	16	(Lease No. 027345) 1534.99					Ran tubing string. Set tubing at 4510'. Swabbed well. Installed pumping unit. Placed on pumping operations. Tested well. Completion Report: During 24 hr potential test, well produced 45 bbls of oil and 5 bbls of wtr. Casinghead gas volume measured as 30 MCF per day with 250# on csg and 30# on tbg. Completed 3-15-63

NOTE.—There were 1 (2052.45 barrel eq.) 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.

Sec. 22 9S 15E 3 (continued)

SE SE

1 hr. Fair blo, incr to good blo in 5 min. and held throughout test. NGTS. Recovered 275' fluid being 95' MGCW and 180' wtr. FP 35-161, SIP 1850-1707, HP 2429-2419.

DST #7: 5057-5100. Shut in 30 min., open 60 min., shut in 60 min. Had wk blo thruout test. Recovered 100' mud, no show. FP 15-28, SIP 1024-141, HP 2488-2475.

DST #8: 5377-5416. Shut in 30 min., open 2 hrs., shut in 1 hr. Had wk blo, died in 5 min., recovered 10' mud, no show. FP 16-16, SIP 158-50, HHP 2598-2598.

Drilled to 6101. Ran logs. Schlumberger TD 6110'.

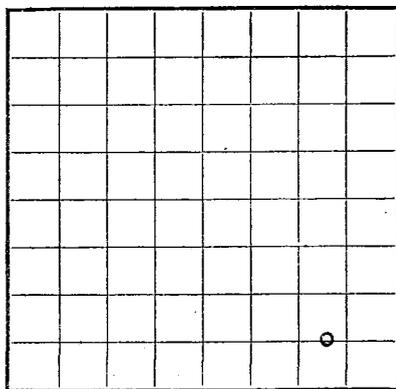
Ran 5½" casing. Set at 4628' w/355 sx regular cement.

Ran correlation and bond log by McCullough. Top of cement at 3540'. Perf w/5-way frac jet on single plane at 4561' and 3922'. Pkr on tubing and broke perfs at 4561 w/500 gal mud acid. Formation broke at 2600#. Broke perfs at 3922' w/500 gal mud acid. Formation broke at 1200#.

Treated by Dowell w/120 bbls pre-flush, 30,000 gal frac oil, 26,500# sd, 6,000# walnut shells. Flushed w/120 bbls oil. Used 6 ball sealers during treatment. Treated at 2850#, injection rate 28 bbls per minute. Pressure incr to 3000# at 26 bbls per min. when ball sealers hit perfs. Flowing.

Form 9-330

U. S. LAND OFFICE Utah  
SERIAL NUMBER U-027345  
LEASE OR PERMIT TO PROSPECT Castle Peak



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Shamrock Oil and Gas Corporation Address 870 First Security Bldg., S. L. C.  
Lessor or Tract Castle Peak Field Castle Peak State Utah  
Well No. 3 Sec. 22 T. 9S R. 15E Meridian Salt Lake County Duchesne  
Location 660 ft. [N.] of S. Line and 315 ft. [E.] of E. Line of Section 22 Elevation 6432  
(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. Schell

Date March 19, 1963

Title Geologist

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

Commenced drilling January 31, 1963 Finished drilling February 22, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3915 to 3925 No. 4, from to  
No. 2, from 4552 to 4567 No. 5, from to  
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
9-5/8"	40			226.93					surface
5 1/2"	14		J-55	4630.88				3922 4561	production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	225	110			
5 1/2"	4628	355			

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set  
Adapters—Material Size

SHOOTING RECORD

FOLD MARK

Size	Shell used	Explosive used	Quantity	Remarks

**TOOLS USED**

Rotary tools were used from 0 feet to 6110 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

March 19 \_\_\_\_\_, 1963. Put to producing March 14 \_\_\_\_\_, 1963.  
 The production for the first 24 hours was 50 barrels of fluid of which 90% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. 31° @ 55° F  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

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

**FORMATION RECORD**

FROM-	TO-	TOTAL FEET	FORMATION
0	1190	1190	sd, sh, lime
1190	3500	2310	oil sh
3500	5100	1600	sd & oil sh
5100	6110	1010	blk sh & sd
			<u>Schlumberger Tops:</u>
			Green River 1190
			Douglas Creek 4514
			Upper Blk Sh 5120
			Lower Blk Sh 5870
			Wasatch 6080

[OVER]



HISTORY OF OIL OR GAS WELL

16-43094-2 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.

Spud 1-31-63. Drilled 12 1/2" to 225'. Set 9-5/8" casing at 225' w/110 sx.  
 DST #1: 3916-28. SI 30 min., op 120 min., SI 60 min. No blow for 1 hr 25 min., fair blo for remainder of test. Rec. 60' HOCM. FP 12-28, SIP 1373-1217, HHP 1847-1847.  
 DST #2: 4321-49. SI 30 min., op 2 hr 15 min., SI 1 hr. Strong blo thruout test. GTS 1 hr 40 min. Rec 2970' water. FP 296-1305, SIP 1501-1460, HHP 2106-2100.  
 DST #3: 4547-4566. SI 30 min., op 4 hrs, SI 2 hrs. Wk blo, incr to good blo in 30 min., cont thruout test. Rec 1810' gas in drill pipe and 150' fluid which was 60' blk gas cut HPP oil and 90' drilling mud. FP 19-47, SIP 1513-1460, HHP 2194-2178.  
 DST #4: 4698-4728. SI 30 min., op 4 hrs, SI 2 hrs. Had good blo thruout, NGTS, Rec 190' SOCM and 1170' wtr w/4000 ppm of chlorides. FP 117-599, SIP 1688-1619, HHP 2300-2294.  
 DST #5: 4829-40, SI 30 min., Op 2 hrs, SI 1 hr. Had fair blo for 1 hr, then decr to wk blo at EOT. Annulus was losing some mud thruout test. Rec 590' drilling mud, no show. FP 183-293, SIP 2352(false)-725, HHP 2359-2350.  
 DST #6: 4945-63, SI 30 min., op 2 hrs, SI 1 hr. Fair blo, incr to good blo in 5 min and held thruout test. NGTS. Rec 275' fluid being 95' MGCW and 180' wtr. FP 35-161, SIP 1850-1707, HHP 2429-2419.  
 DST #7: 5057-5100, SI 30 min., op 60 min., SI 60 min. Had wk blo thruout test. Rec 100' mud, no sho. FP 15-28, SIP 1024-141, HHP 2488-2475.  
 DST #8: 5377-5416. SI 30 min., op 2 hrs, SI 1 hr. Had wk blo, died in 5 min., rec 10' mud, no show. FP 16-16, SIP 158-50, HHP 2598-2598.  
 Drilled to 6101'. Ran logs. Schlumberger total depth 6110'.  
 Set 5 1/2" casing at 4628 w/355 sx. Ran correlation and bond log.  
 Perforated w/5 way frac jet on single plane at 4561' and 3922'. Pkr on tbg and broke perfs at 4561 w/500 gal mud acid. Formation broke at 2600%. Broke perf at 3922' w/500 gal mud acid. Formation broke at 1200%. Treated by Dowell w/120 bbls pre-flush, 30,000 gal frac oil, 26,500# sd, 6,000# walnut shells. Flushed w/120 bbls oil. Used 6 ball sealers during treatment. Treated at 2850%, inj rate 28 bbls per minute. Pressure incr to 3000% at 26 bbls per min. when ball sealers hit. Instant SIP 2000%, One hr SIP 1650%. Used total 960 bbls in treatment.  
 Ran tubing string. Set tbg at 4510', seating nipple at 4483'. Swabbed.  
 Installed pumping unit. Placed well on pumping operations.  
 Completion Report: During 24 hr potential test, well produced 45 bbls oil and 5 bbls water. Casinghead gas volume gg 30 MCFPD w/250% on csg and 30% on tbg.  
 Completion date 3-15-63.

11

COPY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 48-2344-1

LAND OFFICE Utah  
LEASE NUMBER \_\_\_\_\_  
UNIT Castle Peak

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Duchesne Field Castle Peak

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 19 63,

Agent's address 870 First Security Building Company The Shamrock Oil and Gas Corp.

Salt Lake City 11, Utah

Signed Ralph Thomas

Phone 328-0165

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. 24 NW SE	9S	15E	1	31	(Lease No. 02458) 480.82					
Sec. 24 NW SW	9S	15E	2	31	(Lease No. 02458) 563.33					
Sec. 22 SE SE	9S	15E	3	16	(Lease No. 027345) 1534.99					Ran tubing string. Set casing at 4510'. Swabbed well. Installed pumping unit. Placed on pumping operations. Tested well. Completion Report: During 24 hr potential test, well produced 45 bbls of oil and 5 bbls of wtr. Casinghead gas volume measured as 30 MCF per day with 250# on csg and 30# on tbg. Completed 3-15-63.

NOTE.—There were 1 (2052.45 barrels) runs or sales of oil; no runs or sales of gasoline during the month. (Write "no" where applicable.)

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



**THE SHAMROCK OIL AND GAS CORPORATION**

FIRST NATIONAL BANK BUILDING

BOX 631 - AMARILLO, TEXAS

Salt Lake City, Utah  
April 8, 1963

Reply to:  
Intermountain Exploration District  
First Security Bldg. Room 870  
Salt Lake City 11, Utah

Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Gentlemen:

Will you please hold confidential the information sent  
you on our Castle Peak Unit No. 3 Well located in Section 22,  
Township 9 South, Range 15 East, Duchesne County, Utah.

Very truly yours,

Ralph Thomas  
District Geologist

RT:ls

STATE OF UTAH  
 UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

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

Form approved.  
 Budget Bureau No. 42-R1624.

5. LEASE DESIGNATION AND SERIAL NO.  
 USA U-027345

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Castle Peak

9. WELL NO.  
 No. 3

10. FIELD AND POOL, OR WILDCAT  
 Monument Butte

11. SEC., T., R., M., OR BLK. AND  
 SURVEY OR AREA  
 Section 22, Township 9 South,  
 Range 15 East

12. COUNTY OR PARISH  
 Duchesne

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  
 P. O. 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  
 SE SE 660' FSL & 815' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6434 KB 6422 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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(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.)\*

Tops:

Green River 1190'  
 "B" Marker 3720'  
 Douglas Creek 4514'  
 Top Wasatch 6080' ✓

APPROVED BY DIVISION OF  
 OIL & GAS CONSERVATION

DATE JAN 14 1974

BY C. B. Feight

Proposed Plugging Procedure:

Pump cement plug 100' to 3,850'  
 Set 100' cement plug above the stub of the production casing.  
 Set 100' cement plug across the top of the Green River.  
 Set 100' cement plug across the base of surface casing.  
 Set 10 sack plug at top with dry hole marker installed.

*43-013-15783*      *3-163*      *6110' TD*

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

SIGNED [Signature] TITLE Assistant Mgr. Drilling Operation DATE 1-9-74

(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 TRIPLICATE\*  
(Other instructions on re-verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

USA U-027345

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Castle Peak Unit

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 22, T9S, R15E

12. COUNTY OR PARISH

Duchesne

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

SE SE 660' from south line and 815' from east line of Sec. 22

14. PERMIT NO.

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

6434' KB; 6422' 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.)\*

Plugging Procedure:

50 sacks cement 3,485' - 3,850'  
50 sacks cement 2,775' - 2,875'  
50 sacks cement 1,140' - 1,240'  
50 sacks cement 200' - 300'  
10 sacks cement in top of surface casing with dry hole marker.

Recovered 2,875' of 5 1/2" 14# casing.

Well completed as plugged and abandoned 2-27-74.

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

SIGNED

*W. W. DeLongworth*

TITLE

Manager of Drill. Oper.

DATE

3-1-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: