

No. 12030 A QUADRUPLICATE TO DISTRICT OFFICE
DEPARTMENT OF CONSERVATION
AMENDED PERMIT TO DRILL FOR MINERALS
BATON ROUGE, LA. 19__

PARISH _____ FIELD _____
OPERATOR _____
ADDRESS _____
LOCATION OF WELL _____

Sec. _____ T. _____ R. _____

You are hereby authorized to drill _____
Well No. _____ referred to under application bearing serial No. _____
dated _____ 19__ signed by _____
This well to be drilled to _____ zone on surface area of _____ acres
cancels Drilling Permit No. _____ issued _____ 19__

DRILLING CONTRACTOR _____

John B. [Signature]
STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
Commissioner, Department of Conservation Chief Engineer
Form MD-15-B

No. 12462 A QUADRUPLICATE TO DISTRICT OFFICE
DEPARTMENT OF CONSERVATION
AMENDED PERMIT TO DRILL FOR MINERALS
BATON ROUGE, LA. 19__

PARISH _____ FIELD _____
OPERATOR _____
ADDRESS _____
LOCATION OF WELL _____

Sec. _____ T. _____ R. _____

You are hereby authorized to drill _____
Well No. _____ referred to under application bearing serial No. _____
dated _____ 19__ signed by _____
This well to be drilled to _____ zone on surface area of _____ acres
cancels Drilling Permit No. _____ issued _____ 19__

DRILLING CONTRACTOR _____

Thomas M. [Signature]
STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
Commissioner, Department of Conservation Chief Engineer
Form MD-15-B

STATE OF LOUISIANA
MINERALS DIVISION
DEPARTMENT OF CONSERVATION

WELL LOCATION CERTIFICATION

I, M. H. Cunningham, hereby certify

that the location of HUMBLE OIL & REFINING COMPANY'S

R. H. Goodrich, et al "C"
(Name of Location)

Well No. 4

Duck Lake Field, St. Martin Parish,

Louisiana, is as follows: From the northwest corner of Section 2,
southerly 450.5 feet along the west line of the section; thence, easterly
660 feet, at right angles, to the location.

Sec. 2 T. 15S R. 11E

Signed:

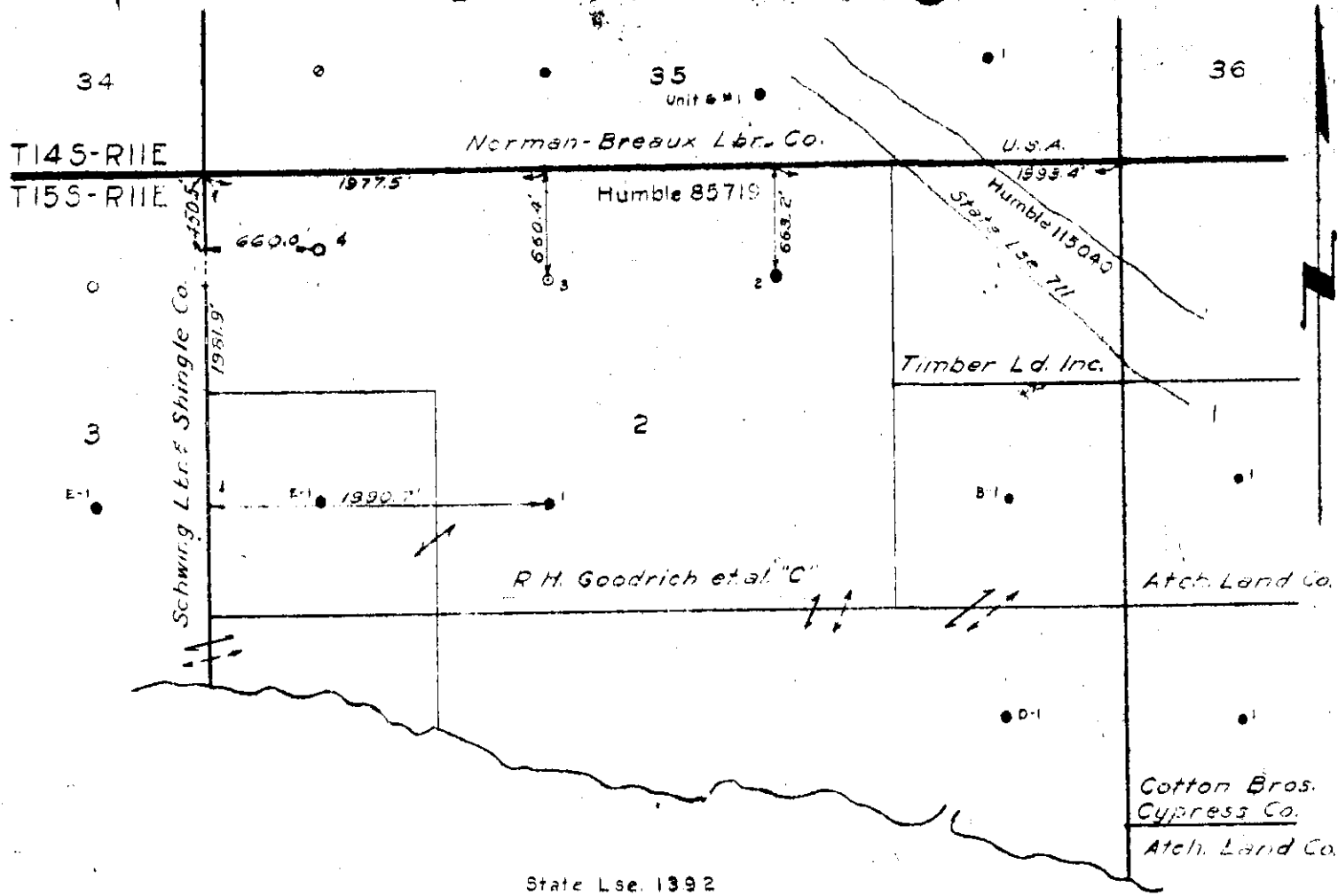
M. H. Cunningham

Licensed Surveyor or Civil
Engineer No. 578

State of Louisiana

Employee of Humble Oil &
Refining Company

Position Office Civil Engineer



021079

SCALE
1000 0 1000 2000 3000 FEET
(1 Inch = 1000 Feet)

R. H. GOODRICH ET AL "C" LSE # 85719
DUCK LAKE FIELD
ST. MARTIN PSH., LA.

HUMBLE OIL & REFINING COMPANY
CIVIL ENGINEERING DIVISION
NEW ORLEANS

Prepared by M.H. Cunningham
La. Reg. Civil Engr. No. 578

This application for Well No XXXX

DRAWN S. Trest
CHECKED S. P.
APPD. R. H. Goodrich

SCALE 1" = 1000'
DATE 7-18-49
REVISED 1-18-51

FILE NO.
LAA-1136

N^o 27031

DISTRICT OFFICE COPY
DEPARTMENT OF CONSERVATION
PERMIT TO DRILL FOR MINERALS

\$80.00

BATON ROUGE, LA., March 5, 1951

PARISH St. Martin

FIELD Duck Lake

OPERATOR Humble Oil & Refining Company

ADDRESS Box 2180, Houston 1, Texas

LOCATION OF WELL From the NW corner of Section 2, Southwelly 450.5' along the West line of the section; thence, Easterly, 660', at right angles, to the location

In Sec 2, T 15-S, R 11-E

You are hereby authorized to drill B. H. Goodrich, et al 42791

Well No. 4, referred to under application bearing serial No. 42791

dated February 20, 1951, signed by G. S. Langford

This well to be drilled to 17,500' zone on surface area of 40 acres

DRILLING CONTRACTOR

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION

Commissioner, Department of Conservation

Office Manager, Division of Minerals

Form MD-13-R

25-5426-501

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

- AFFIDAVIT OF TEST OF CASING IN WELL -

DATE WORK DONE March 7, 1951

Houma, Louisiana

WORK PERMIT NO. _____

WELL SERIAL NO. 42791

(One copy to be filed with the District Office)

NOTE:

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH St. Martin FIELD Duck Lake SEC. 2 TWP. 15 SRGE. 11E

COMPANY Humble Oil & Refg. Co. LEASE R. H. Goodrich "C" WELL NO. 4

TOTAL DEPTH 2,100'

SIZE OF CASING 10-3/4 IN; WT. PER FT. 40.5 #: MAKE National

NO. OF THREADS PER IN. 8 GRADE J-55 SEAMLESS X NEW X 2ND _____

IF SECOND HAND, WAS PIPE TESTED? _____ DESCRIBE _____

DEPTH LANDED BELOW DERRICK FLOOR 2,079 FT. SACKS OF CEMENT 500

SIZE OF HOLE 14 IN.: AMOUNT OF CEMENT LEFT IN PIPE 44'

METHOD OF CEMENTING Halliburton CEMENT SET 12-3/4 HOURS UNDER 500 LBS.

PRESSURE _____ TOTAL TIME SET 31-3/4 HOURS

DETAIL OF PRESSURE TEST BEFORE DRILLING PLUG

DATE OF TEST: March 8, 1951 GAUGE PRESSURE ON CASING 1000 LBS.

PRESSURE AT END OF THIRTY MINUTES (30) 1000 DROP 0 LBS.

TEST FLUID: WATER _____ MUD 9.8 LBS, PER GAS: VISCOSITY 33 SEC.

REMARKS: _____

THIS WORK WAS DONE ACCORDING TO THE RULES AND REGULATIONS OF THE DEPARTMENT OF CONSERVATION, MINERALS DIVISION.

SIGNED: Humble Oil & Refining Company
COMPANY

WITNESS: R. H. Laro

A. J. Chesney
Representative
A. J. Chesney, Dist. Supt.

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

6 1951

- AFFIDAVIT OF TEST OF CASING IN WELL -

WORK PERMIT NO. _____
WELL SERIAL NO. 42791

DATE WORK DONE March 28, 1951

Houma, Louisiana

(One copy to be filed with the District Office)

NOTE:

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH St. Martin FIELD Duck Lake SEC. 2 TWP. 15 RGE 11E

COMPANY Humble Oil & Refg. Co. LEASE R. H. Goodrich "C" WELL NO. 4

TOTAL DEPTH 11,905'

SIZE OF CASING 7 IN: WT. PER FT. 23,26,29, 32.35 #: MAKE Jones-Laughlin

NO. OF THREADS PER IN. 8 GRADE N-80 SEAMLESS X NEW X 2ND _____

IF SECOND HAND, WAS PIPE TESTED? _____ DESCRIBE _____

DEPTH LANDED BELOW DERRICK FLOOR 11,902 FT. SACKS OF CEMENT 1500

SIZE OF HOLE 9-7/8 IN.: AMOUNT OF CEMENT LEFT IN PIPE 99'

METHOD OF CEMENTING Halliburton CEMENT SET 12 HOURS UNDER 500 LBS.

PRESSURE _____ TOTAL TIME SET Plug not drilled HOURS

DETAIL OF PRESSURE TEST BEFORE DRILLING PLUG

DATE OF TEST: 3-30- 19 51 GAUGE PRESSURE ON CASING 1500 LBS.

PRESSURE AT END OF THIRTY MINUTES (30) 1500# DROP 0 LBS.

TEST FLUID: WATER _____ MUD 10.2 LBS. PER GAS: VISCOSITY 48 SEC.

REMARKS: _____

THIS WORK WAS DONE ACCORDING TO THE RULES AND REGULATIONS OF THE DEPARTMENT OF CONSERVATION, MINERALS DIVISION.

SIGNED: Humble Oil & Refining Company
COMPANY

WITNESS: E. M. Richard

A. J. Chesney
Representative
A. J. Chesney, Dist. Supt.

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Perforate DATE March 29, 1951
PARISH St. Martin FIELD Duck Lake
COMPANY Humble Oil & Refining Company
ADDRESS P. O. Box 2180, Houston 1, Texas
WELL NAME R. H. Goodrich "C" NO. 4 SEC. 2 T. 15S R. 11E
WELL PERMIT SERIAL NO. 42791 WORK PERMIT NO. Perf.-H#70
LOCATION From the NW Corner of Sec. 2, Southerly 450.5' along
the W. line of the Sec.; thence, Easterly, 660', at right
angles, to the location.
YOU ARE HEREBY AUTHORIZED TO

Perforate 7" casing w/72 shots
from 11,654' to 11,666', for production test.

PERMIT REQUESTED BY

A. J. Chesney

TD

11,905'

Company Representative

AUTHORIZED BY

Houma

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

- PERFORATING RECORD -

DATE WORK DONE April 1, 1951

WORK PERMIT NO. _____
WORK SERIAL NO. 42791

Houma, Louisiana

(One Copy to be filed with the District Office)

NOTE:

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH St. Martin FIELD Duck Lake SEC 2 TWP 15S RGE 11E
COMPANY Humble Oil & Refining Co. LEASE R. H. Goodrich "C" WELL NO. 4
TOTAL DEPTH 11,905' NEW OR OLD WELL New
SIZE CASING 7" DEPTH OF CASING 11,902'
DEPTH OF PLUG BELOW PERFORATIONS 140'
PERFORATED FROM 11,654' TO 11,666'
NUMBER OF HOLES 60 SIZE OF HOLES 15/32"
PERFORATING COMPANY Lane-Wells TRUCK NUMBER 140
PURPOSE OF PERFORATIONS For Production

REMARKS: _____

THIS WORK WAS DONE ACCORDING TO THE RULES AND REGULATIONS OF THE DEPARTMENT OF CONSERVATION.

SIGNED: Humble Oil & Refining Company
C O M P A N Y

A. J. Chesney
Representative
A. J. Chesney, Dist. Supt.

PERFORATING DATA SHEET

LANE-WELLS COMPANY

Number Jobs This Trip

District So. La. Operating Base Houma Date 4-2-51 S. O. # T81438
 Truck No. 294 Operator Scruggins Helper Boudreau
 Customer Humble Oil & Refg Co. Authorized Agent Mr Langston
 Name of Well R.N. Goodrich No. C4 Field Duck Lake
 State Louisiana County/Parish St. Martin
 Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
 P.M. Landing _____ P.M.

On Job _____ A.M. M. Res. Off Job _____ A.M. M. Res.
 P.M. P.M.

Standby Time _____ Max. Temp. _____ °F.

New or Old Well new Purpose of Perforating Production Kind of Fluid water Level full

Casing Record 7" 92# Cemented In hole Liner Record none Cemented In _____

Customer's Depth 11807 Measure Method SID Zero Point 1' above rotary

Lane-Wells Depth 11702.5 Size Gun _____ No. _____ No. _____ Type _____ Controller No. _____ No. _____

Bullet Size 60 Holes from 11667 to 11655 Ft. _____ Holes from _____ to _____ Ft. _____

Holes from _____ to _____ Ft. Shooting Zones Approved By: J.V. Langston Title Engr.

	Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
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22						
23						
24						
25						
26						
27						
28						
29						
30						

RUNNING TIME			REMARKS
1)	In From _____ to _____	A.M. P.M.	
	Out From _____ to _____	A.M. P.M.	
	Fluid _____		
	In _____ Out _____		
	Holes _____ Total _____		
	Misses _____ Total _____		
2)	In From _____ to _____	A.M. P.M.	
	Out From _____ to _____	A.M. P.M.	
	Fluid _____		
	In _____ Out _____		
	Holes _____ Total _____		
	Misses _____ Total _____		
3)	In From _____ to _____	A.M. P.M.	
	Out From _____ to _____	A.M. P.M.	
	Fluid _____		
	In _____ Out _____		
	Holes _____ Total _____		
	Misses _____ Total _____		
4)	In From _____ to _____	A.M. P.M.	
	Out From _____ to _____	A.M. P.M.	
	Fluid _____		
	In _____ Out _____		
	Holes _____ Total _____		
	Misses _____ Total _____		
5)	In From _____ to _____	A.M. P.M.	
	Out From _____ to _____	A.M. P.M.	
	Fluid _____		
	In _____ Out _____		
	Holes _____ Total _____		
	Misses _____ Total _____		
6)	In From _____ to _____	A.M. P.M.	
	Out From _____ to _____	A.M. P.M.	
	Fluid _____		
	In _____ Out _____		
	Holes _____ Total _____		
	Misses _____ Total _____		

Mileage: From _____ to _____

Mileage: From _____ to _____

POTENTIAL REPORT

Type Well: Oil XX Gas _____ Distillate _____

Type Test: Comp. XX Recomp. _____ Retest _____ Regauge _____

Parish St Martin Field Duck Lake

Company Humble Oil Refining Co. Serial No. 42791

Well Name & No. R. H. Goodrich "C"-4

Location: Sec. 2 Twp. 15^S Rge. 11^E Flowing X Pump. _____

Prod. Horizon 11600 Perf. Int. 11654 to 11666

Casing Setting: Size 7" @ 11902

Tubing Setting: Size 2 7/8" @ 11573 T. D. 11905

Date Completed 4-3-51 Date Gauged 4-6-51

Acidize with _____ gals. Elev. of Derr. Floor _____

TEST DATA

T. P. 1600 C. P. 0 Choke Size 10/64th

Closing TK Gge. 1 ft. 9 1/2 in. @ 1:00 P.M. Time

Opening TK Gge. 1 ft. 6 in. @ 10:00 A.M. Time

Diff. 0 ft. 3 1/2 in. 3 Hours (Time)

Tank No. 2766 Tank Coef. 5.41

Bbls. Per 3 Hrs. 18.94 Est. Bbls. Per Day 152

Daily Gas Vol. 620 "M" C.F. G/O Ratio 4079/1

B.S.&W. 1/10 % Corrected Gravity 34.0 Deg. A.P.L.

Witnessed Det. R. L. ... Title Team Boss

Gauged by J. J. Sanders Title Asst. Mgr.

Department of Conservation

District Office Houma, La.

Remarks: Das 1" Plate 4" Line

App. 5" Pres 9.2#

L-10 Chart 500# Meter

CONTRACT DEPTH 12,500

DATE ISSUED

NEW WELL 3-5-51

WORK OVER

EXPIRED

RENEWED

PARISH St. Martin

FIELD Duck Lake

FINAL EXP.

SERIAL No. 42791

SEC. 2

TWP. 15S

R. 11E

LOCATION OF WELL From the NW Cor. of Sec. 2, Southerly 450.5' along the W. line of the Section; thence, Easterly 660' at right angles to the location in Sec. 2, T-15S, R-11E.

COMPANY Humble Oil & Refining Company

LEASE R. E. Goodrich et al "C"

WELL No. 4

DATE SPUDDED IN

19

CASING SET:

Conductor

Intermediate

Surface

Oil String

WORK PERMITS ISSUED ON THIS WELL

Date	Permit	Date	Permit	Date	Permit
3-29-51	Ref-11#70				

Date	Condition of Well	Total Depth
3-9-51	Location.	
	Spudded 3-5-51, 16' @ 127' 4" 2200	
	Set 10 3/4" @ 2079 4/5005	2079
3-16-51	Sh	7460
3-23-51	Sh	10500
3-30	hd Sh	11905
4-6	Set 7" @ 11902'	
	Ref 11654-11666	11905
	Comp. 4-3-51, 138 db. on 18" ch. T.P. 2400	
	C.P.D. B.S. & W. 40. B.O.R. 2723/2400	
	34.0, P.D. 11654'-11666' (P.D.)	11905

ORIGINAL
(THREE TYPEWRITTEN COPIES MUST BE FURNISHED THIS DEPARTMENT)

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
MINERALS DIVISION

LOG OF WELL

FIELD East Lake COMPANY Mobile Oil & Refining Company
Parish St. Martin Sec. 2 Twp. 15-S Rge. 11-E Elevation 21.00'
Location From northward corner of Section 2, southerly 157.5' along west line of section, thence, easterly at right angles 660' to Junction.
Lease P. Goodrich #2 Well No. 4 Permit No. 27331 Permit Serial No. 12792
The data given herewith is a complete record of the well and all work done thereon as determined from all available records.
Began Drilling March 3 19 51 Completed April 3 19 51
Completed as Oil (x) Gas () Condensate () Dry () Well

OIL AND GAS ZONES

From 11,700 to 11,570 feet
From 10,900 to 10,800 feet
From 9,450 to 9,310 feet

SALT WATER SANDS

In zone of production
From _____ to _____ feet
From _____ to _____ feet

FRESH WATER SANDS

From Base to _____ feet
From _____ to _____ feet
From _____ to _____ feet

DRILL STEM TESTS

Depth		Recovery in Stands			Chokes		Lbs. Pressure		Date	Time	Size D. S.
Sent	Bottom	Oil	Water	Sd. or Mud	Top	Bottom	Top	Bottom			
	<u>Base</u>										

CASING RECORD

Size	Wt. Per Foot	Make	Where Landed	No. of Sks. Cement	Stood Hours	Pressure Test, Lbs.
<u>16"</u>	<u>55</u>	<u>National</u>	<u>176.93</u>	<u>200</u>	<u>18</u>	<u>-</u>
<u>10 3/4"</u>	<u>40.5</u>	<u>National</u>	<u>2079.36</u>	<u>500</u>	<u>31</u>	<u>1000</u>
<u>7"</u>	<u>26</u>	<u>Jones & Laughlin</u>	<u>11902.31</u>	<u>1500</u>	<u>Plug set 4-14</u>	<u>1500</u>

COMPLETION DATA

Liner Size None Weight _____ Length _____ Screen size None Gage _____ Length _____
Casing Perforations (prod. depth) from 11,600 to 11,600 ft. No. of holes 10
Acidized with None gallons. Other physical or chemical treatment of well to induce flow None
Prod. began April 3 19 51 Making 130.0 bbls./day of 92.0% A. P. I. Gravity Fluid on 1 1/8 Choke.
Tub. Pres. 2702 lbs./sq. in. Csg. Pres. 0 lbs./sq. in. Gas Vol. 375.8 M. C. F. Gas Oil Ratio 2702
B. S. & W. 0.1 % Gas Gravity _____ B. T. U.'s/M. C. F. _____ Gals. Gasoline/M. C. F. _____

WELL DATA

Indicate (yes or no) whether or not the following information was obtained.

Electrical Log Yes Date 3-6 19 51 Straight Hole Survey Geophysical Type M. & S.
Time Drilling Record 30.1 days Other Types of Hole Survey None Type Electrical
Core Analysis Yes Depth _____ to _____
_____ to _____

LOCATION OF WELL BOTTOM

Latitude 32.8 ft. South Departure 167.3 ft. West Average Inclination 1.5 Vertical Correction .02
Drilling Contractor Company Tools Signed _____
Date April 12 19 51 Title District Superintendent
Form No. 12-M-R

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Comp.

Houma, Louisiana

DISTRICT

APR 11

WELL COMPLETION OR RECOMPLETION REPORT

OIL WELL (☒)

DIS. WELL ()

GAS WELL ()

NOTE

One copy to be filed with District Office within three (3) days of date of completion or recompletion (as per Order No. 29-A, Section X, Paragraph A, Article 1.)

COMPLETION (☒)

RECOMPLETION ()

PERMIT

SERIAL NO. 42791

PARISH St. Martin

FIELD

Duck Lake

SEC. 2

TWP. 15S

REG. 11E

COMPANY Humble Oil & Refg. Co. LEASE: R. H. Goodrich "C"

WELL NO. 4

DRILLING CONTRACTOR Co. Rig #29

DATE SPUDDED (~~XXXXXX~~)

March 5, 1951

DATE COMPLETED ~~XXXXXXXXXXXX~~ 4-2- 19 51, AT 04:30 A.M. P.M.

COMPLETION DATA:

INITIAL PRODUCTION 138 BBLs./DAY (NET)

TUBING PRESSURE 2400 #/SQ. IN. GA. FLOWING (☒) SHUT IN ()

CASING PRESSURE 0 #/SQ. IN. GA.

CHOKE SIZE 1/8" POSITIVE (☒) ADJUSTABLE ()

B. S. & W. 0.1 PERCENT SALT WATER () WASH WATER (☒)

GAS VOLUME 375.8 MCF/DAY

GAS/OIL RATIO 2.722 CF/BBLs.

GRAVITY 34.0 (60° A.P.I.)

PRODUCING DEPTH 11,654 FT. TO 11,666 FT.

PERFORATED YES (☒) NO () BOTTOM TUBING 11573 FT. SIZE 2-7/8 IN. OD

CASING (OIL STRING) SIZE 7" IN. I.D. () O.D. (☒) BOTTOM SEAT 11,902 FT.

TOTAL DEPTH DRILLED 11,905 FT. DERRICK FLOOR ELEVATION 21.0 FT.

Additional clearance is requested for _____ barrels of oil produced on drill-stem or other production tests. (See Section X, Paragraph B, of Order No. 29-A on reverse side.)

Humble Oil & Refining Company
C O M P A N Y

A. J. Chesney
COMPANY REPRESENTATIVE
A. J. Chesney, Dist. Supt.

FORM - SDM -1-R
(Over)

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side to be used when requesting clearance for oil produced on Drill Sta. Test or other production tests; made previous to official completion or recompletion.

Section X, Paragraph B of Order No. 29-A

Allowables given to wells for oil produced on drill stem tests, production test and any miscellaneous production of oil shall be in accordance with the following rule:
All operators are required, within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production; as "from 8:00 A. M., August 5th, to 3:00 P. M., August 2th, 1942."

DATE OF TEST	<u>T E S T D A T A</u>	<u>A M O U N T O F O I L P R O D U C E D</u>
	T I M E O F T E S T	
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
_____ 19 _____	_____.M. TO _____.M.	_____ BARRELS
	TOTAL:	_____ BARRELS

The above total barrels of oil was produced from _____ Ft. to _____ Ft.

REMARKS: _____

C O M P A N Y

COMPANY REPRESENTATIVE

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

MPH

PERMIT TO Workover DATE 2-18-52
PARISH St. Martin FIELD Duck Lake
COMPANY Humble Oil & Ref. Co.
ADDRESS Box 2180, Houston, Texas
WELL NAME R. H. Goodrich "A" No. 4 SEC. 2 T. 138 R. 11 N
WELL PERMIT SERIAL No. 42791 WORK PERMIT No. W.O.-4832
LOCATION From the NW Cor. of Sec. 2, S/17 450.5' along the W. line
of the Sec., thence S/17, 660', at R/A to the loc.
Sq. present perforations in 7" casing
from 11,654 to 11,666' w/150 ex., cement & reperforate from
11,630 to 11,642' w/24 shots for prod.
YOU ARE HEREBY AUTHORIZED TO
TD. 11,905

PERMIT REQUESTED BY R. H. Gassery

Company Representative

AUTHORIZED BY

Houma, La.

District Office

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

-- SQUEEZE AND PERFORATE RECORD --
(Workover)

DATE WORK DONE 2-20-52

WORK PERMIT NO. W.O.-H#32
WELL SERIAL NO. 12791

Houma, Louisiana

(One copy to be filed with the District Office)

NOTE:

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH St. Martin FIELD Duck Lake SEC 2 TWP 15S RGE 11E

COMPANY Humble Oil & Refg. Co. LEASE R. H. Goodrich "C" WELL NO. 1

TOTAL DEPTH 11,905 NEW OR OLD WELL Old

SIZE OF CASING 7" DEPTH OF CASING 11,902

METHOD OF PLACING CEMENT Drill Pipe and Pump

WHERE CEMENT RETAINER SET: DEPTH 11,609 FT.

ZONE OF SQUEEZE FROM 11,654 TO 11,666

NUMBER OF SACKS USED 150 HOURS CEMENT SET 15-1/2

BARRELS OF WATER PUMPED BEFORE CEMENT 10 AFTER 5

BREAKDOWN PRESSURE 3400# FINAL PRESSURE 5600#

SQUEEZE JOB DONE BY Halliburton

PERFORATED FROM 11,630 TO 11,642

NUMBER OF HOLES 48 SIZE OF HOLES Kone Shots.

PERFORATING COMPANY Lane-Wells Company TRUCK NO. 176

REMARKS: _____

THIS WORK WAS DONE ACCORDING TO THE RULES AND REGULATIONS OF THE DEPARTMENT OF CONSERVATION, MINERALS DIVISION.

SIGNED: Humble Oil & Refining Company
C O M P A N Y

R. H. Ussery
Representative
R. H. Ussery, Dist. Supt.

PERFORATING DATA SHEET

LANE-WELLS COMPANY

District SO. LA New Iberia Operating Base SO. LA - New Iberia Date 2-21-52 S. O. # 14018
 Truck No. 178 Operator Rushing, W.E. Helper Hardy, S.-1
 Customer Humble Oil & Refining Authorized Agent O.H. Hammond
 Name of Well R.H. Goodman C-4 No. C-4 Field Duck Lake
 State Louisiana ~~County~~/Parish St. Martin

Job Scheduled Upon Arrival A.M. Arrived At Location A.M.
 P.M. Landing P.M.

On Job A.M. M. Res. Off Job A.M. M. Res.
 P.M. P.M.

Standby Time _____ Max. Temp. _____ ° F.

or Old Well Old Purpose of Perforating Production Kind of Fluid Mud Visc. Level Full

Casing Record 4" 26" Cemented In 9 7/8" O.H. Liner Record _____ Cemented In _____

Customer's Depth 11640 Measure Method Strain Zero Point 16' 0.9002 ~~11640~~ O.H.

Lane-Wells Depth 11628 Size Gun 5" No. _____ No. _____ Type C-1 Controller No. 681 No. _____

Bullet Size 48 Holes from 11641 to 11629 Ft. Holes from _____ to _____ Ft.

Holes from _____ to _____ Ft. Shooting Zones Approved By: O.H. Hammond Title Form Boss

	Run No. <u>1</u>	Run No.	Run No.	Run No.	Run No.	Run No.
1	<u>11641</u>					
2						
3						
4	<u>48-Holes from 11641 to 11629</u>					
5						
6					<u>OK</u>	
7						
8						
9					<u>Hammer</u>	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

FEB 27 1952

RUNNING TIME		REMARKS
1)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
2)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
3)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
4)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
5)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
6)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
Mileage: From _____ to _____		
Mileage: From _____ to _____		

POTENTIAL REPORT

well

Type Well: Oil XX Gas _____ Distillate _____
 Type Test: Comp. _____ Recom. XX Retest _____ Regauge _____
 Parish St Martin Field Duck Lake
 Company Humble Oil & Ref Co Serial No. 42791
 Well Name & No. R H Goodrich "C" 4
 Location: Sec. 2 Twp. 15S Rge. 11E Flowing X Pump _____
 Prod. Horizon 11600 Perf. Int. 11630 to 11642
 Casing Setting: Size 7" @ 11,902'
 Tubing Setting: Size 2 1/2" @ 11512' T.D. 11905'
 Date Completed 2-23-52 Date Gauged 2-28-52
 Acidize with _____ gals. Elev. of Derr. Floor 21.0

TEST DATA

T.P. 1900 C.P. 0 Choke Size 8/64th
 Closing TK Ggo. 2 ft. 3 1/4" @ 10:45 Time
 Opening TK Ggo. 2 ft. 1 in. @ 8:45 Time
 Diff. 0 ft. 2 1/2 in. 2 Hours (Time)
 Tank No. 2765 Tank Coef. 5.41
 Bbls. Per 2 Hrs 13.57 Est. Bbls. Per Day 163
 Daily Gas Vol. 165 "M" C.F. G/O Ratio 1010
 B.S. & W. 1/10 % Corrected Gravity 37.6 @ 66 Deg. A.P.I.

Witnessed [Signature] Title Form Boss
 Gauged by E. N. Richard Title P. E.
 Department of Conservation

District Office _____

Remarks: 8.9 X 5.5
1/2" X 4"

14032 (Assign 150 bbls)
 { effective 2-23-52
 1050 Form S D M-2

*Thousands

CONTRACT DEPTH _____

DRLG. CONTRACTOR_

PARISH St. Martin

FIELD Duck Lake

SERIAL No. 42791

SEC. 2 TWP. 7.5S R. 11E

LOCATION OF WELL. From the NW Cor. of Sec. 2, S/1y 450.5' along the W. line of the Sec.; thence E/1y. 660', at E/A to the log.

COMPANY Humble Oil & Ref. Co.

LEASE F. H. Goodrich "C"

WELL No. 4

DATE SPUDDED IN _____

19

CASING SET:

Conductor.

Intermediate

Surface

Oil String

WORK PERMITS ISSUED ON THIS WELL

Date	Permit	Date	Permit	Date	Permit
2-18-52	W.O. - F#32				

Date	Condition of Well	Total Depth
2-22-52	(W.O.) Permit to sq. present perforations in 7" casing from 11,654 to 11,666' w/150 sx., cement & reperforate from 11,630 to 11,642' w/24 shots for prod.	11,905'
2-29	(W.O.) Re-comp. 2-23-52 162 lbs. on 4" G. T. P. 1902 C. P. O. B. S. & W. 1/10, B. O. R. 1020/1 Bury. 37.2, P.D. 11630' - 11642' (Perf.)	11905

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Houma, Louisiana DISTRICT

WELL COMPLETION OR RECOMPLETION REPORT

OIL WELL (X) COMPLETION ()
DIS. WELL () RECOMPLETION (X)
GAS WELL () PERMIT
NOTE
One copy to be filed with District Office within three (3) days of date of completion or recompletion (as per Order No. 29-A, Section X, Paragraph A, Article 1.)
SERIAL NO. 42791

PARISH St. Martin FIELD Duck Lake SEC. 2 TWP. 15S RNG. 11E

COMPANY Humble Oil & Refg. Co. LEASE R. H. Goodrich "C" WELL NO. 4

DRILLING CONTRACTOR Williams Drilling Co. DATE SPUDDED (OR W.O.) 2-15-52

DATE COMPLETED OR RECOMPLETED 2-23- 1952, AT A.M. 02:21 P.M.

COMPLETION DATA:

INITIAL PRODUCTION 162 BBLs./DAY (NET)
TUBING PRESSURE 1900 #/SQ. IN. GA. FLOWING (X) SHUT IN ()
CASING PRESSURE 0 #/SQ. IN. GA.
CHOKE SIZE 1/8" POSITIVE (X) ADJUSTABLE ()
B. S. & W. 0.1 PERCENT SALT WATER () WASH WATER (X)
GAS VOLUME 155 MCF/DAY
GAS/OIL RATIO 1020 CF/BBLs.
GRAVITY 37.2 (60° A.P.I.)
PRODUCING DEPTH 11,630 FT. TO 11,642 FT.
PERFORATED YES (X) / NO () BOTTOM TUBING 11,512 FT. SIZE 2-1/2 IN.
CASING (OIL STRING) SIZE 7 IN. I.D. () O.D. (X) BOTTOM SEAT 11,902 FT.
TOTAL DEPTH DRILLED 11,905 FT. DERRICK FLOOR ELEVATION 21.0 FT.

Additional clearance is requested for _____ barrels of oil produced on-drill-stem or other production tests. (See Section X, Paragraph B, of Order No. 29-A on reverse side.)

HUMBLE OIL & REFINING COMPANY
COMPANY

R. H. Ussery
COMPANY REPRESENTATIVE
R. H. Ussery, Dist. Supt.

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side to be used when requesting clearance for oil produced on Drill Stem Test or other production tests; made previous to official completion or recompletion.

Section X, Paragraph B of Order No. 29-A

Section

Allowables given to wells for oil produced on drill stem tests, production test and any miscellaneous production of oil shall be in accordance with the following rule;
All operators are required, within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production; as "from 8:00 A. M., August 5 to 3:00 P. M., August 8, 1942."

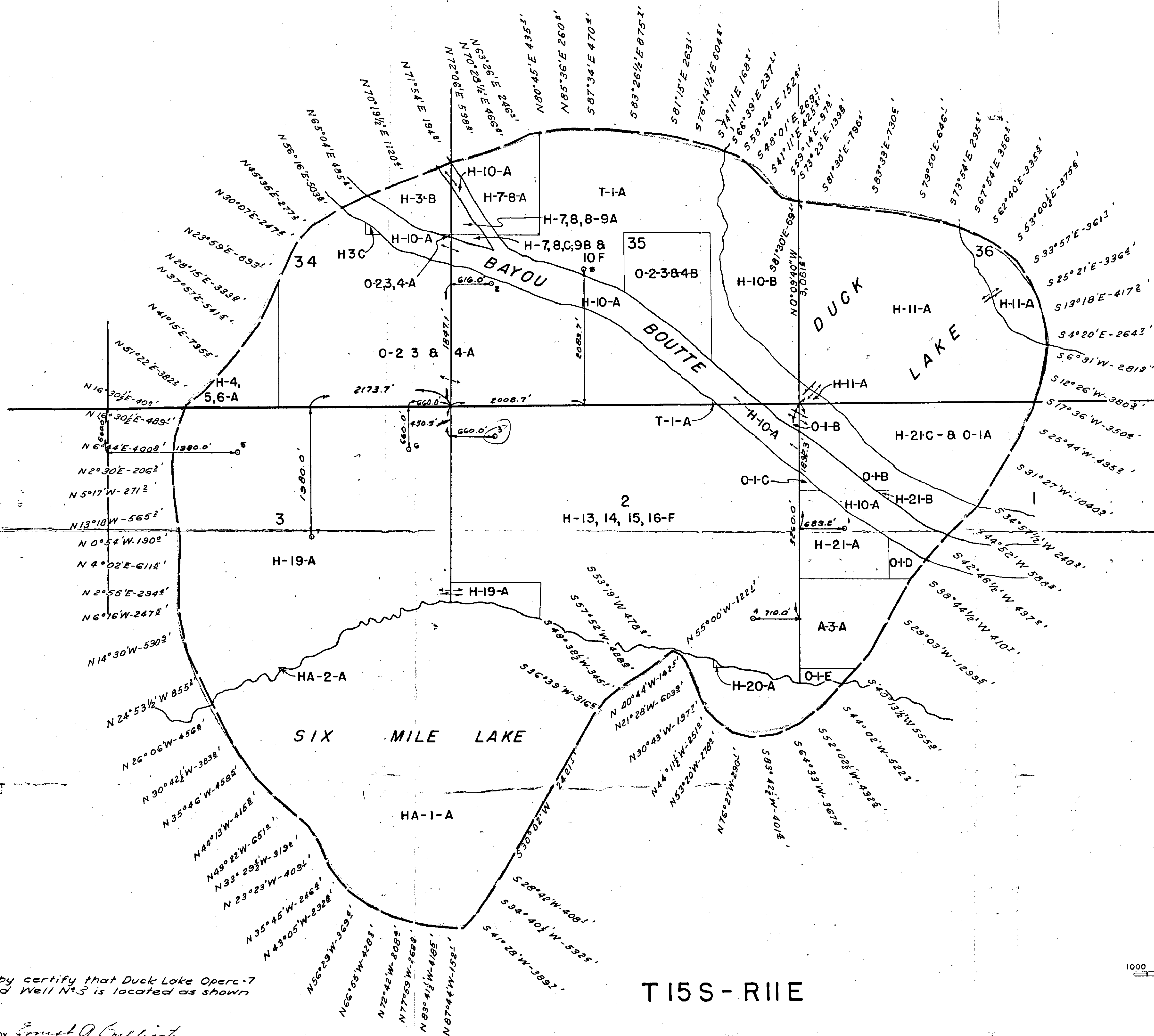
DATE OF TEST	<u>T E S T</u> <u>D R A W I N G</u> TIME OF TEST	AMOUNT OF OIL PRODUCED
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
____ 19 ____	____ .M. TO ____ .M.	____ BARRELS
TOTAL:		____ BARRELS

The above total barrels of oil was produced from ____ Ft. to ____ Ft.

REMARKS:

C O M P A N Y

T 14S-R11E

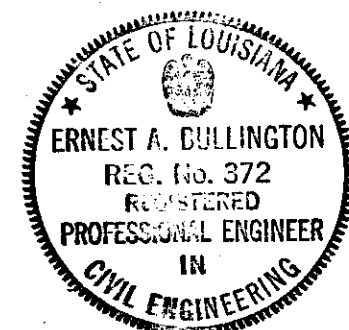


NOTE: All bearings are grid based on the Lambert Coordinate System for Louisiana, South Zone.



I hereby certify that Duck Lake Operc-7 Oil Sand Well N°3 is located as shown hereon.

Prepared by Ernest A. Dullington
La. Reg. Civil Engr. No. 372.



T 15S-R11E

DUCK LAKE OPERC-7 OIL SAND
OPERC-7 SAND EXHIBIT C-5
DUCK LAKE FIELD
ST. MARTIN PARISH, LA.

DEC 12 1954

021080
42791

DRAWN BY: JBC

DATE: 2-18-54

REV. 5-29-56 S.L.T.

Mr. O. L. Purse

QUADRUPLICATE TO DISTRICT OFFICE AND WELL NAME & NO.

N^o 10747 - A

DEPARTMENT OF CONSERVATION
AMENDED PERMIT TO DRILL FOR MINERALS

BATON ROUGE, LA., December 31, 1957

PARISH St. Martin FIELD Duck Lake
OPERATOR Humble Oil & Refining Company
ADDRESS Box 2150, Houston, Texas
LOCATION OF WELL From NW/Cor. of Sec. 2, S/ly 450.5' along W/L of Section;
thence E/ly 660.0' at R/A to location
Formerly E. H. Goodrich et al "C" Well #4

Sec. 2, T. 15S, R. 11E
Duck Lake Operc. 7 Oil Sand

You are hereby authorized to drill
Well No. 3 referred to under application bearing serial No. 42791
dated 12/11/57, 1957, signed by _____

This well to be drilled to _____ zone on surface area of _____ acres
cancels Drilling Permit No. 27531, Issued 3/5/51, 1951

DRILLING CONTRACTOR

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION

Commissioner, Department of Conservation

Chief Engineer

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Opp

Workover

WORK PERMIT

PERMIT TO Squeeze & Perforate DATE 4/20/58

PARISH St. Martin FIELD Duck Lake

COMPANY Humble Oil & Refining Company

ADDRESS P. O. Box 2180 Houston 1, Texas

WELL NAME D. L. Operc. 7 Oil Sand No. 3 SEC. 2 T. 153 R. 11E N. 10

WELL PERMIT SERIAL No. 12731 WORK PERMIT No. Sq. & Perf. 11/70H

LOCATION From NW/Cor. of Sec. 2, S/ly 450.5' along W/L of Sec. 7

thence E/ly 660.0' at R/A to location.

YOU ARE HEREBY AUTHORIZED TO Squeeze present perforations in 7"

casing from 11,630 to 11,642 feet W/150 sacks of cement

and perforate from 11,740 to 11,765 feet W/100 shots.

TD 11,905

PERMIT REQUESTED BY E. J. Starley

Company Representative

AUTHORIZED BY Walter A. Richard

Houston

District Office

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

-SQUEEZE AND PERFORATE RECORD-

DATE WORK DONE 4-20-58

WORK PERMIT NO. W.O.H-98

WELL SERIAL NO. 42791

Houma, Louisiana

(One copy to be filed with the District Office)

N O T E: THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH St. Martin FIELD Duck Lake SEC 2 TWP 15S RGE 11E

COMPANY Humble Oil & Refining Company LEASE Duck Lake Operc. 7 Oil Sand WELL NO. 3

TOTAL DEPTH 11,905 feet NEW OR OLD WELL Old

SIZE OF CASING 7" DEPTH OF CASING 11,902 feet

METHOD OF PLACING CEMENT Drill pipe and pump

WHERE CEMENT RETAINER SET: DEPTH 11,600 FT.

ZONE OF SQUEEZE FROM 11,630 TO 11,642

NUMBER OF SACKS USED 150* HOURS CEMENT SET 2 1/2

BARRELS OF WATER PUMPED BEFORE CEMENT 10 AFTER 5

BREAKDOWN PRESSURE 3200# FINAL PRESSURE 5500#

SQUEEZE JOB DONE BY Halliburton

PERFORATED FROM 11,740 TO 11,765

NUMBER OF HOLES 100 SIZE OF HOLES Kone Shots

PERFORATING COMPANY Lane-Wells Company TRUCK NO. 437

REMARKS: Mixed 150 sacks of cement, squeezed 7 1/2 sacks through perforations,
left 6 sacks in casing below tool, and reversed out 70 sacks.

THIS WORK WAS DONE ACCORDING TO THE RULES AND REGULATIONS OF THE DEPARTMENT OF CONSERVATION, MINERALS DIVISION.

SIGNED: Humble Oil & Refining Company
C O M P A N Y

E. E. Marshall
REPRESENTATIVE

E. E. Marshall, District
Superintendent

APR 28 1958

PERFORATING DATA SHEET

PERMIT VERBAL
ONE BARREL

LANE-WELLS COMPANY

District SOLA Operating Base N.E. Date 4-23-58 S. O. # 59306
Truck No. 437 Operator H. Smith Helper MARTIN
Customer HUMBLE OIL & REFINING CO. Authorized Agent
Name of Well DUCK LAKE OPERANT OIL SAND # No. 3 Field DUCK LAKE
State LOUISIANA County/Parish ST. MARY

Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
P.M. P.M. Landing P.M.
On Job _____ A.M. M. Res. Off Job _____ A.M. M. Res.
P.M. P.M. P.M.
Standby Time _____ Max. Temp. _____ ° F.
New or Old Well OLD Purpose of Perforating PROD Kind of Fluid 10-15-50 Level FULL
Casing Record 7" 32# Cemented In 9 1/8" Liner Record _____ Cemented In _____
Customer's Depth 11810 Measure Method STR Zero Point BELOW ROT
Lane-Wells Depth _____ Size Gun 4 1/2" No. _____ No. _____ Type G-1 Controller No. 706 No. _____
Bullet Size 100 Holes from 11766 to 11741 Ft. _____ Holes from _____ to _____ Ft. _____
Holes from _____ to _____ Ft. Shooting Zones Approved By: L. P. Wazner Title _____

	Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1						
2						
3		11766 - 11741		11741	11741	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

RUNNING TIME		REMARKS
1)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
2)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
3)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
4)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
5)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
6)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		

Mileage: From _____ to _____

Mileage: From _____ to _____

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Houma, Louisiana DISTRICT

WELL COMPLETION OR RECOMPLETION REPORT

OIL WELL () Three copies to be filed with District COMPLETION ()
Office within three (3) days of date of
DIS. WELL () completion or recompletion (as per RECOMPLETION (X)
Order No. 29-A, Section X, Paragraph
GAS WELL () A, Article 1.) PERMIT SERIAL NO. (42791)
GAS INJECTION WELL
PARISH St. Martin FIELD Duck Lake SEC 2 TWP 15S RGE 11E
Sand
COMPANY Humble Oil & Refining Co. LEASE Duck Lake Operc. 8 Oil WELL NO. 9
Williams Drilling
DRILLING CONTRACTOR Co. Rig #2 DATE SPUDDED (OR W.O.) 4-16-58
DATE COMPLETED OR RECOMPLETED 4-26- 19 58, AT 06:00 (A.M.) (ECOMX)

COMPLETION DATA

INITIAL PRODUCTION - BBLs. / (NET)
TUBING PRESSURE - #/SQ. IN. GAS FLOWING () SHUT IN ()
CHOKE SIZE - POSITIVE ADJUSTABLE
B.S. & W. - PERCENT SALT WATER () WASH WATER ()
GAS VOLUME - MCF/DAY
GAS/OIL RATIO - CF/BBLs.
GRAVITY - (60 degrees A. P. I.)
PRODUCING DEPTH 11,740 FT. TO 11,765 FT.
(Packer)
PERFORATED YES (X) NO () BOTTOM TUBING 11,680/FT. SIZE 2-1/2 IN.
11,902
CASING (OIL STRING) SIZE 7 IN. I.D. () O.D. (X) BOTTOM SEAT / FT.
TOTAL DEPTH DRILLED 11,905 FT. DERRICK FLOOR ELEVATION 21.0 FT.

(Additional clearance is requested for _____ barrels of oil produced on drill-
stem or other production tests. (See Section X, Paragraph B, of Order No. 29-A on
reverse side.)

RECEIVED
APR 30 1957

Humble Oil & Refining Company
COMPANY

FORM SDM-1-R

JBB Minerals, Houma Dist. COMPANY REPRESENTATIVE
E. J. Stanley,
Acting District Superintendent

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-A

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule.

- 1 All operators are required, within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production -- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952." If

<u>T E S T D A T A</u>		<u>AMOUNT OF OIL PRODUCED</u>
<u>DATE OF TEST</u>	<u>TIME OF TEST</u>	
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	M. TO M. -	BARRELS
	TOTAL	BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

REMARKS: _____

COMPANY

FORM SDM-1-R

COMPANY REPRESENTATIVE

No. 12607 A

QUADRUPPLICATE TO DISTRICT OFFICE

DEPARTMENT OF CONSERVATION

AMENDED PERMIT TO DRILL FOR MINERALS

PARISH Orleans BATON ROUGE, LA. 1932

OPERATOR W. J. Smith FIELD Orleans

ADDRESS 704 P. O. Box 1000

LOCATION OF WELL On the corner of the intersection of the

Highway and the

Highway

Sec. 7 T. 15 R. 15

You are hereby authorized to drill on the corner of the intersection of the

Well No. 12607 referred to under application bearing serial No. 12607

dated 1/15/32 1932 signed by W. J. Smith

This well to be drilled to the surface zone on surface area of 0.1 acres

Drilling Permit No. 12607 Issued 1/15/32 1932

DRILLING CONTRACTOR W. J. Smith

STATE OF LOUISIANA

DEPARTMENT OF CONSERVATION

Commissioner, Department of Conservation

Form MD-15-R Chief Engineer

PACKER SETTING CERTIFICATE

(To be submitted in duplicate with the District Manager in
whose District the well is located)

I, A. H. Townsend, having full knowledge of the facts here-
Name of Party Making Certification
below set out, do state:

That I am employed by Humble Oil & Refining Company in the capacity of
Field Superintendent, that on January 29, 19 62, I
Date
personally supervised the setting of a 7", Model "D", Baker Production Packer
Make and Type of Packer
in Humble Oil & Refining Company, Duck Lake Operc. 8 Oil Sand,
Operator of Well Lease Name
Well No. 9, located in the Duck Lake Field, St. Martin
Field
Parish, Louisiana at a subsurface depth of 11,670 feet, said depth measurement hav-
ing been furnished me by Wire Line Measurement; that the purpose of setting
this packer was to effect a seal in the annular space between the two strings of pipe where
the packer was set so as to prevent the commingling, in the bore of this well, of fluids pro-
duced from a stratum below the packer with fluids produced from a stratum above the pack-
er; that this packer was properly set and that it did, when set, effectively and absolutely
seal off the annular space between the two strings of pipe where it was set in such manner
as that it prevented any movement of fluids across the packer.

This is to certify that, to the best of my knowledge and belief, the information con-
tained herein is true and correct.

Signed

A. H. Townsend

Title

Field Superintendent

Representing

Humble Oil & Refining Company

STATE OF LOUISIANA

AMEND WELL NAME & WELL NO.

DEPARTMENT OF CONSERVATION

Amended Permit (Corrected)

AMENDED PERMIT TO DRILL FOR MINERALS (CORRECTED)SERIAL NO. 42791BATON ROUGE, LA., 5-14-62

19

PARISH: St. MartinFIELD: Duck LakeOPERATOR: Humble Oil & Refining CompanyADDRESS: P.O. Box 61812New Orleans 60, La.WELL NAME: DL Operc 8 SU; Goodrich "C"NO.: 4 (9)LOCATION OF WELL: Sec. 2 T 15S R 11E NW/Cor. of Sec. 2, S/ly450.5' along W/L of Section, thence E/ly 660.0' at R/A to location.(FMLY: Duck Lake Operc 8 Oil Sd Well No. 9)

Zone or Reservoir of proposed completion:

Applicable Department of Conservation Order: 29B & 174C
Commissioner

Issuing Authority

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

PERFORATING RECORD

DATE WORK DONE I-10-63

WORK PERMIT NO. _____

WORK SERIAL NO. _____

(One Copy to be filed with the Dist Office)

NOTE: THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH St Martin FIELD Duck Lake SEC _____ TWP _____ RGE _____

COMPANY Humble Oil & Refg. LEASE Cp-8 Oil sd.Un. # WELL NO 9

TOTAL DEPTH 11810 NEW OR OLD WELL Old

SIZE OF CASING 7" DEPTH OF CASING _____

DEPTH OF PLUG BELOW PERFORATIONS _____

PERFORATED FROM 11742 TO 11763

NUMBER OF HOLES 2-1/16 82 SIZE OF HOLES 2-1/16

PERFORATING COMPANY McCullough Tool Co. TRUCK NUMBER 943

PURPOSE OF PERFORATING New Perforations Production

REMARKS: None

This work was done according to the rules and regulations of the Department of Conservation.

Signed: McCullough Tool Co.

COMPANY

Representative

Form:

Perf - MD-4

JAN 14 1964

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Workover DATE 1-15-63
PARISH St. Martin FIELD Duck Lake
COMPANY Humble Oil & Refg. Co.
ADDRESS P O Box 2180; Houston 1, Texas
WELL NAME DL Operc. 8 SU; Goodrich "C" No. 4 (9) EC. 2 T. 15S R. 11E
WELL PERMIT SERIAL No. 42791 WORK PERMIT No. WO. 1411
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perforate 7" csg. from
11740 to 11762' w/88 additional shots to increase
injectivity. Total perforated interval: 11740-11765'.

PERMIT REQUESTED BY _____ TD 11905
E. E. Setser
Company Representative

AUTHORIZED BY _____

Lafayette
District Office

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATIONAMEND OPERATOR AND
WELL NUMBER

Amended Permit..... \$25.00

AMENDED PERMIT TO DRILL FOR MINERALS

SERIAL NO.: 42791 BATON ROUGE, LA., JANUARY 1, 19 73

PARISH: ST. MARTIN FIELD: DUCK LAKE

OPERATOR: EXXON CORPORATION *

ADDRESS: P. O. BOX 60626

NEW ORLEANS, LOUISIANA 70160

WELL NAME: DL OPERC 8 SU; GOODRICH C NO.: 422

LOCATION OF WELL: Sec. 2 T 15S R 11E

LOCATION SAME.

*FORMERLY: HUMBLE OIL & REFINING COMPANY

**FORMERLY: 4(9)

Zone or Reservoir of proposed completion:

Applicable Department of Conservation Order:

29-B

Commissioner

Issuing Authority

DISTRICT OFFICE COPY

NO

A-C

STATE OF LOUISIANA

Amend Well Name

AMENDED PERMIT (Corrected)

DEPARTMENT OF CONSERVATION

AMENDED PERMIT TO DRILL FOR MINERALS (CORRECTED)

Serial No. 42791 Date April 8, 1974
Parish St. Martin Field Duck Lake

Operator Exxon Corporation
Address P.O. Box 60626
City & State New Orleans, Louisiana 70160
Well Name DL OPERC 8 RA SU; Goodrich C a No 4
Location of Well: Sec. 2 T. 15S R. 11E

Location Same*Formerly: DL OPERC 8 SU; Goodrich C

Zone or Reservoir of Proposed Completion

Applicable Department of Conservation Order

Memo 12-1-72

COMMISSIONER

ISSUING AUTHORITY

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DL OPERC 8 RA SU; GOODRICH C #4 Sec. 2 T. 15S R. 17EField DUCK LAKE Parish ST. MARTINPermit Serial No. 42791 Work Permit No. LH 501 1983Description of Work Bullhead sqz perfs @ 11,740-765' EL. Run TDT log
11,670-8400' & perf well based on log.Sand & Reservoir To Be Tested OPERC 6 TD 11,905'Operator EXXON CORPORATION, REVENUE & REGULATORY ACCOUNTING
Address POST OFFICE BOX 60626
City, State & Zip NEW ORLEANS, LOUISIANA 70160GP/
Permit Requested By *[Signature]* Date 5-11-83Permit Authorized By *[Signature]* District Lafayette Date 5/13/83

INSTRUCTIONS

A single application will suffice for one, or combinations of, the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

- RECEIVED
MAY 12 1933
DEPT. OF CONSERVATION
LOUISIANA
LAFAYETTE, LOUISIANA
1. Abandon (Plug & Abd)
 2. Deepen
 3. Perforate
 4. Squeeze
 5. Plugback
 6. Sidetrack
 7. Pull Casing
 8. Change Zone of Selective Completion
 9. Drill Salt Water Disposal Well
 10. Convert to Salt Water Disposal Well
 11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DL OPERC 8 RA SU; GOODRICH C #4 Sec 2 T 15S R 11E
Field DUCK LAKE Parish ST. MARTIN
Permit Serial No. 42791 Work Permit No. # 857,1983

Description of Work In addition to work permit # 501,1983, set cmt retainer
at -11628' & resqz OPERC 7 perfs at 11630-11666'EL.

Sand & Reservoir To Be Tested OPERC 6 TD 11905'

Operator EXXON CORPORATION, REVENUE & REGULATORY ACCOUNTING
Address POST OFFICE BOX 60626
City, State & Zip NEW ORLEANS, LOUISIANA 70160

Permit Requested By rrv [Signature] Date 8-8-83

Permit Authorized By [Signature] District Lafayette Date 8/10/83

INSTRUCTIONS

A single application will suffice for one, or combinations of, the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

1. Abandon (Plug & Abd)
2. Deepen
3. Perforate
4. Squeeze
5. Plugback
6. Sidetrack

7. Pull Casing
8. Change Zone of Selective Completion
9. Drill Salt Water Disposal Well
10. Convert to Salt Water Disposal Well
11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

RECEIVED
MAY 10 1983
DEPT. OF CONSERVATION
STATE OF LOUISIANA

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DL OPERC 8 RA SU; GOODRISH C #4 Sec. 2 T 15S R 11E
 Field DUCK LAKE Parish ST. MARTIN
 Permit Serial No. 42791 Work Permit No. L# 876 1983

Description of Work In addition to work permit # 501, 1983: Re sqz
OPERC 3 perfs at 10925-33'EL & sqz OPERC 6 at 11422-32'EL.
Reperforate OPERC 6 at 11432-42'EL.

Sand & Reservoir To Be Tested OPERC 6 TD 11905'

Operator EXXON CORPORATION, REVENUE & REGULATORY ACCOUNTING
 Address POST OFFICE BOX 60626
 City, State & Zip NEW ORLEANS, LOUISIANA 70160

rrv
 Permit Requested By [Signature] Date 8-10-83

Permit Authorized By [Signature] District Lafayette Date 8/15/83

INSTRUCTIONS

A single application will suffice for one, or combinations of, the below operations, provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

- RECEIVED
AUG 12 1936
DEPT. OF CONSERVATION
LOUISIANA
1. Abandon (Plug & Abd.)
 2. Deepen
 3. Perforate
 4. Squeeze
 5. Plugback
 6. Sidetrack
 7. Pull Casing
 8. Change Zone of Selective Completion
 9. Drill Salt Water Disposal Well
 10. Convert to Salt Water Disposal Well
 11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

29-E COMPLIANCE YES NO
29-E UNIT ATTACHED YES NO

O.C. USE ONLY

STATE OF LOUISIANA
OFFICE OF CONSERVATION

WELL COMPLETION OR RECOMPLETION REPORT

DISTRICT Lafayette

CODE
NUMBERS:

DATE March 9, 1984

☐ 1 - ON-SHORE
☒ 3 - OFF-SHORE
SEC. 2 T 15S R 11E

OC ORDER NO

050

PARISH St. Martin

3444

FIELD Duck Lake

1747

OPERATOR Exxon Corporation

WELL NAME DL OPERC 6 RA SU; Goodrich C

NO. 4

SERIAL NO. 42791

RESERVOIR Operc 6

3-05-84

10:00

COMPLETION DATE

TIME

☒ AM ☐ PM

IMPORTANT:

IS A FORM MD-10-R-A BEING FILED WITH THIS REPORT? IF NO, EXPLAIN

YES

NO

REMARKS: Submitted under separate cover

Original Spud 3-5-51

COMPLETION DATA:

* TYPE COMPLETION

PRIMARY PRODUCT

PRIMARY PRODUCT CHANGE?

PRODUCING METHOD

STATUS OF WELL

☒ 1 - ORIG. COMP.
☐ 2 - RE-COMP.

☒ 1 - OIL
☐ 2 - GAS
☐ 3 - DRY GAS

☐ 1 - YES
☒ 2 - NO

☒ F - FLOWING
☐ GL - GAS LIFT
☐ P - PUMPING

☐ 1 ☐ 0 SEE REVERSE SIDE
FOR CODE

* IF THIS IS A RE-COMPLETION SPECIFY:

SAME RESERVOIR

DIFFERENT RESERVOIR

☒

114 BOPD
INITIAL PROD.

63 MCF/DAY
GAS VOLUME

300 PSIG
FLOWING TUBING
PRESSURE

--- PSIG
SHUT-IN TUBING
PRESSURE

900 PSIG
CASING PRESSURE

32 / 64 ☒ 1 - POSITIVE
☐ 2 - ADJUST
CHOKE SIZE

139 BPD
WATER PROD.

55 %
BS & W

550 CF/BBL
GOR

34.5 API AT 60°F
GRAVITY

PERFORATIONS 11432-442' EL

TOTAL DEPTH 11902'

CLEARANCE & CERTIFICATION:

ADDITIONAL CLEARANCE IS REQUESTED FOR _____ BBLs. OF OIL
PRODUCED ON DRILL-STEM OR OTHER PRODUCTION TEST: (SEE SECTION
X PARAGRAPH B OF ORDER 29-B ON REVERSE SIDE).

CERTIFICATION


I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

INSTRUCTIONS

THREE (3) COPIES TO BE FILED WITH THE DISTRICT OFFICE WITH-
IN THREE (3) DAYS OF DATE OF COMPLETION OR RECOMPLETION
(AS PER ORDER 29-B, SECTION X, PARAGRAPH A, ARTICLE 1).

Charles A. Martin
SIGNATURE
Exxon Corporation
OPERATOR
Revenue & Regulatory Accounting Supervisor
TITLE

pink card

 OFFICE OF CONSERVATION WELL HISTORY AND WORK RESUME REPORT		FIELD Duck Lake	
		● SERIAL NO 42791	
		PRODUCING INTERVAL 11432-11442	
		RESERVOIR (COMPANY SAND IDENTIFICATION) OPERC 6	
Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.			
10-ACTIVE LEASE AND WELL DATA			
CHECK APPROPRIATE BOXES <input type="checkbox"/> NEW WELL <input checked="" type="checkbox"/> RECOMPLETION <input type="checkbox"/> P & A		● <input type="checkbox"/> 31 INACTIVE DRY HOLE FUT. UTIL <input type="checkbox"/> 32 INACTIVE DRY HOLE NO FUT. UTIL. <input type="checkbox"/> 36 INACTIVE WAITING ON PIPELINE <input type="checkbox"/> 37 INACTIVE WAITING ON MARKET	
		PRODUCT <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER	
		IF RECOMPLETION <input type="checkbox"/> SAME RESERVOIR <input checked="" type="checkbox"/> DIFFERENT RESERVOIR	
		DATE COMP, RECOMP, OR P & A M D Y 3-05-84	
OPERATOR Exxon Corporation		CODE ● 1747	ADDRESS P. O. Box 60626 New Orleans, Louisiana 70160
WELL NAME DL OPERC 6 RA SU; Goodrich C			WELL NO. 4
PARISH St. Martin		SEC. 2 TWP. 15S RGE. 11E	DATE PERMIT ISSUED Workover
DATE SPUDDED ● M D Y 3-5-51	DATE READY TO PRODUCE* 3-5-84	TOTAL DEPTH 11902'	PBTD. 11810'
GROUND ELEVATION --		CASING HEAD FLANGE ELEVATION 2.75'	DISTANCE FROM RKB TO CHF 19.50
DATE WELL TURNED INTO TANKS 3-5-84		SINGLE, DUAL OR TRIPLE COMPLETION? Dual	NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION
WAS WELL DIRECTIONALLY DRILLED? N/A		WAS DIRECTIONAL SURVEY MADE? --	WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION? --
DATE FILED --		TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION) N/A	
DATE FILED --			
CASING, LINER AND TUBING RECORD			
● CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET FROM TO
101			
102			
103			NO CHANGE
104			
105			
● TUBING SIZE	2-7/8"	● DEPTH OF TUBING	10970'
● DEPTH OF PACKER(S)	10970'		
INITIAL COMPLETION OR RE-COMPLETION DATA			
INITIAL PRODUCTION 114 BOPD	GAS VOLUME 63 MCF/DAY	GOR 550 CF/BBL	CHOKE SIZE 32 /64"
PRODUCING METHOD Gas Lifting			
FLOWING TUBING PRESSURE 300 psig	SHUT-IN TUBING PRESSURE -- psig	CASING PRESSURE 900	WATER PRODUCTION 139 BPD
BS&W 55 %			
GRAVITY 34.5 °API@60° F	SHP (SHUT-IN) 2057 TAKEN psig	COMPANY REPRESENTATIVE	DATE GAUGED 3-5-84
PLUG AND ABANDON (P & A) DATA			
CASING SIZE	AMOUNT PULLED	CEMENT PLUGS FROM TO SACKS HOW PLACED	DATE WORK PERFORMED
			NAME OF TEST WITNESS-STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
CERTIFICATE: I, the undersigned, state That I am employed by Exxon Corporation and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.			
3-9-84 rrvSignature: <i>Charles G. [Signature]</i>		Title: R&R Accounting Supervisor	

* Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
L#501, 1983	7-05-83		Ran TDT Log from 11656-8400'. Cmt sqz'd perfs at 11740-765'
	7-15-83		Perf'd from 11432-42'EL.
L#857, 1983 & L#876, 1983	8-04-83		Set cmt retainer at 11628'EL.
	8-05-83		Spotted cmt plug from 11628-11528', plugging off old OPERC 7 perfs at 11630-66'.
	8-05-83		Cmt sqz'd OPERC 3 perfs at 11925-33'EL & OPERC 6 perfs at 11432-42'EL.
	2-25-84		Set pkr at 10970', ran 2-7/8" tbg & stung into pkr.
	3-03-84		Reperf'd from 11432-42'EL.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

RECEIVED
MAR 15 1984
DEPT. OF CONSERVATION
LAFAYETTE, LOUISIANA

AMENDED PERMIT TO DRILL FOR MINERALS (CORRECTED)

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
Amended Permit (Corrected)

42791

Serial No.

L

Date March 28, 1984

FORMER CODES

CURRENT CODES

050

PARISH

St. Martin

3444

FIELD

Duck Lake

1747

OPERATOR

Exxon Corporation

ADDRESS

P.O. Box 60626

CITY & STATE

New Orleans, Louisiana 70160

501234

WELL NAME

DL OPERC 6 RA SU; Goodrich C*

No.

525329

LOCATION OF WELL Sec.

2

T

158

R

11E

Former Well No.

Location Same

*DL OPERC 8 RA SU; Goodrich C

Applicable Department of Conservation Order

Rafuck H. Marti
Commissioner

Issuing Authority

Jmm

No.

A-C

DISTRICT OFFICE COPY

STATE OF LOUISIANA
OFFICE OF CONSERVATION
AMENDED PERMIT TO DRILL FOR MINERALS

...\$100.00

042791 SERIAL NO

DATE 07/13/94

EFFECTIVE 06/09/94

CURRENT CODES

050 PARISH

3444 FIELD

H032 OPERATOR

1 PRODUCT

L000945

MA

ST MARTIN

DUCK LAKE

HILCORP ENERGY COMPANY

ATTN: JAMES ANHAISER

P. O. BOX 61229

HOUSTON, TEXAS

DISTRICT LAFAYETTE

RECEIVED

JUL 21 1994

LAFAYETTE DISTRICT OFFICE
OF CONSERVATION

77208

2-501234 WELL NAME DL OPERC 6 RA SU;GOODRICH C
LOCATION OF WELL SEC 002 T 15S R 11E
FORMER OPERATOR NAME: EXXON CORPORATION

NO. 004

1747

APPLICABLE OFFICE OF CONSERVATION ORDER

H. W. THOMPSON

FELIX J. BOUDREAUX

COMMISSIONER

ISSUING AUTHORITY

DISTRICT OFFICE

Work Permit
STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DL OPERC 6 RA SU; GOODRICH C-4 Sec. 2 T 15S R 11E
Field DUCK LAKE Parish ST. MARTIN
Permit Serial No. 042791 Work Permit No. L#239-95

Description of Work PLUG EXISTING OPERC 6 PERFS AT 11,422- 42' AND
PERFORATE IN OPERC 2 AT 10,848- 64'

Sand & Reservoir To Be Tested OPERC 2 SAND TD 11,600

Operator HILCORP ENERGY COMPANY
Address P.O. BOX 61229
City, State & Zip HOUSTON, TEXAS 77208-1229

Permit Requested By  Date 2/7/95

GARY BENTZ

Original Signed By:

Permit Authorized By J. E. CALDWELL, JR. District LAFAYETTE Date FEB. 10 1995

INSTRUCTIONS

A single application will suffice for one, or combinations of, the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

- | | |
|-------------------------|---|
| 1. Abandon (Plug & Abd) | 7. Pull Casing |
| 2. Deepen | 8. Change Zone of Selective Completion |
| 3. Perforate | 9. Drill Salt Water Disposal Well |
| 4. Squeeze | 10. Convert to Salt Water Disposal Well |
| 5. Plugback | 11. Drill Product Storage Well |
| 6. Sidetrack | |

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

STATE OF LOUISIANA
OFFICE OF CONSERVATION
AMENDED PERMIT TO DRILL FOR MINERALS

(CORRECTED)

042791 SERIAL NO

DATE 12/14/95

EFFECTIVE 05/05/95

CURRENT CODES

050 PARISH	ST MARTIN	DISTRICT LAFAYETTE
3444 FIELD	DUCK LAKE	
H032 OPERATOR	HILCORP ENERGY COMPANY	
1 PRODUCT	ATTN: JAMES ANHAISER	
MA	P. O. BOX 61229	
	HOUSTON, TEXAS	77208

2-501232 WELL NAME DL OPERC 2 RA SU;GOODRICH C	NO. 004
LOCATION OF WELL SEC 002 T 15S R 11E	
FORMER WELL NAME: DL OPERC 6 RA SU;GOODRICH C	2-501234

APPLICABLE OFFICE OF CONSERVATION ORDER 174-F-1

ERNEST A. BURGUIERES, III

FELIX J. BOUDREAUX

COMMISSIONER

ISSUING AUTHORITY

DISTRICT OFFICE

POSTED

STATE OF LOUISIANA
OFFICE OF CONSERVATION

WELL COMPLETION OR RECOMPLETION REPORT

DISTRICT Lafayette

29-E COMPLIANCE YES NO
29-E UNIT ATTACHED YES NO

O.C. USE ONLY

CODE
NUMBERS:

050

3444

H032

501232

DATE July 13, 1995

PARISH St. Martin

FIELD Duck Lake

OPERATOR Hilcorp Energy Company

WELL NAME DL OPERC 2 RA SU; Goodrich "C"

RESERVOIR DL OPERC 2 RA SU

1

1 - ON-SHORE

3 - OFF-SHORE

SEC. 2 T 15 S R 11 E

OC ORDER NO. 174-E, 174-F-1

NO. 4

SERIAL NO. 42791

May 05, 1995

04:00

COMPLETION DATE

TIME

AM ☒ PM

IMPORTANT:

IS A FORM MD-10-R-A BEING FILED WITH THIS REPORT? IF NO, EXPLAIN

YES

☒

NO

☐

REMARKS:

COMPLETION DATA:

* TYPE COMPLETION

PRIMARY PRODUCT

PRIMARY PRODUCT CHANGE?

PRODUCING METHOD

STATUS OF WELL

2

1 - ORIG. COMP.
2 - RE-COMP.

1

1 - OIL
2 - GAS
3 - DRY GAS

2

1 - YES
2 - NO

F

F - FLOWING
GL - GAS LIFT
P - PUMPING

1

0

SEE REVERSE SIDE
FOR CODE

* IF THIS IS A RE-COMPLETION SPECIFY:

SAME RESERVOIR

☐

DIFFERENT RESERVOIR

☒

55 BOPD
INITIAL PROD.

340 MCF/DAY
GAS VOLUME

340 PSIG
FLOWING TUBING
PRESSURE

PSIG
SHUT-IN TUBING
PRESSURE

PSIG
CASING PRESSURE

Open 64" CHOKER SIZE

2 1 - POSITIVE
2 - ADJUST

1321 BPD
WATER PROD.

96.0 %
BS & W

6182 CF/BBL
GOR

36.0 GRAVITY
API AT 60°F

PERFORATIONS 10850' - 10858'

RECEIVED

TOTAL DEPTH 11902

CLEARANCE & CERTIFICATION:

SEP 18 1995

ADDITIONAL CLEARANCE IS REQUESTED FOR N/A Lafayette District Office
PRODUCED ON DRILL-STEM OR OTHER PRODUCTION TEST: (SEE SECTION
X PARAGRAPH B OF ORDER 29-B ON REVERSE SIDE)

RECEIVED

OCT 18 1995

INSTRUMENT Lafayette District Office

CERTIFICATION

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

James L. Shum
SIGNATURE

Hilcorp Energy Company

OPERATOR

Engineer

TITLE

THREE (3) COPIES TO BE FILED WITH THE DISTRICT OFFICE WITH-
IN THREE (3) DAYS OF DATE OF COMPLETION OR RECOMPLETION
(AS PER ORDER 29-B, SECTION X, PARAGRAPH A, ARTICLE 1).

OFFICE OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

T E S T D A T A		
<u>Date of Test</u>	<u>Time of Test</u>	<u>Amount of Oil Produced</u>
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
TOTAL _____		BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

OPERATOR

(Signed) OPERATOR REPRESENTATIVE

CODES TO USE IN REPORTING STATUS OF WELL

- 10 Active
- 33 Inactive-Future Utility (does not include waiting on pipeline or market)
- 36 Inactive waiting on pipeline
- 37 Inactive waiting on market



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD

Duck Lake

SERIAL NO.
042791

RECEIVED

PRODUCING INTERVAL
10850 - 10858

SEP 18 1995

RESERVOIR (COMPANY SAND IDENTIFICATION)
DL OPERC 2 RA SU

Lafayette District Office

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES

☐ NEW WELL
☒ RECOMPLETION
☐ P & A

☐ 31 INACTIVE DRY HOLE FUT. UTIL.
☐ 32 INACTIVE DRY HOLE NO FUT. UTIL.
☐ 36 INACTIVE WAITING ON PIPELINE
☐ 37 INACTIVE WAITING ON MARKET

PRODUCT

☒ OIL
☐ GAS
☐ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☒ DIFFERENT RESERVOIR

DATE COMP., RECOMP., OR P & A
M D Y
05-14-95
S

OPERATOR

Hilcorp Energy Company

CODE
H032

ADDRESS

P.O. Box 61229, Houston, TX 77208-1229

WELL NAME

DL OPERC 2 RA SU; Goodrich C

WELL NO.

4

PARISH

St. Martin

SEC. 2 TWP. 15 S RGE. 11 E

DATE PERMIT ISSUED

Workover/02-10-95

DATE SPUDDED

M D Y
03-05-91

DATE READY TO PRODUCE*

TOTAL DEPTH

11,902'

PBTD.

11,810'

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

2.75'

DISTANCE FROM RKB TO CHF

19.50'

DATE WELL TURNED INTO TANKS

SINGLE, DUAL OR TRIPLE COMPLETION?

Single

NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED? -----

WAS DIRECTIONAL SURVEY MADE? -----

WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION? -----

DATE FILED -----

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)

N/A

DATE FILED -----

CASING, LINER AND TUBING RECORD

C	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET		SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
				FROM	TO					
101										
102										
103										
104										
105										

TUBING SIZE: 2-7/8" DEPTH OF TUBING: 10509' DEPTH OF PACKER(S): 10509'

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION 55 BOPD	GAS VOLUME 340 MCF/DAY	GOR 6182 CF/BBL	CHOKE SIZE Open /64"	PRODUCING METHOD Flowing
FLOWING TUBING PRESSURE 340 psig	SHUT-IN TUBING PRESSURE ----- psig	CASING PRESSURE ----- psig	WATER PRODUCTION 1321 BPD	BS&W 96 %
GRAVITY 36.0 *API 60° F	BHP (SHUT-IN) 4915 psig	COMPANY REPRESENTATIVE	DATE GAUGED May 30, 1995	

PLUG AND ABANDON (P & A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by Hilcorp Energy Co. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: [Signature]

Title: Engineer

*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
L#239-95	04-27-95		Dump Bail cement on fish, set CIBP on top of cement at 10880', dump bail 10' cement on top of CIBP.
"	05-04-95		Perforate 10850' - 10858'
"	05-05-95		Set Packer at 10509'

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

STATE OF LOUISIANA
OFFICE OF CONSERVATION
LOUISIANA STATE POTENTIAL REPORT

WELL FILE

District LAFAYETTE INPUT TYPE
Field Duck LAKE 1 - OC Only
Parish ST. MARTIN ☐ 2 - Original
Operator Helsys Energy Corp Code 14032 11 3 - Correction
Sec. 2 TWP. 15-S RGE. 11E Test Date 11 / 14 / 95
12 Mo. Day Yr.

TYPE OF WELL

☒ 1-OIL
☐ 2-GAS
18

TYPE OF TEST

☒ 1-COMPLETION
☐ 2-RECOMPLETION
☐ 3-RETEST
19

PRODUCING METHOD

☒ F-FLOWING
☐ P-PUMPING
☐ G-GASLIFT
20

WELL SERIAL NO.	WELL NAME	WELL NO.	NAME OF RESERVOIR
042791	01 OPERC 2 PA SU Induct	4	01 opuc 2 PA SU

TOTAL DEPTH	PERFORATED INTERVAL FROM	TO	CHOKE /64"	OIL BBLs/DAY	COND. BBLs/DAY	GAS MCF/DAY	GAS/OIL RATIO CF/BBL
11902	10850	10858	39/64	166	-	393	2367

API GRAV. @ 60° F.	WATER BBLs/DAY	BS&W %	FLOWING PRES. (PSIG)	CASING PRES. (PSIG)	DATE OF COMPLETION MO.	DAY	Y.
34.5	1301	88.7	280	1010	5	5	95

oil WATER
~~CLOSE TANK~~ / METER GAUGE 13.8 108.4 @ 12:45 P.M. TIME
~~OPEN TANK~~ / METER GAUGE 00.0 000.0 @ 10:45 A.M. TIME
DIFFERENCE 13.8 108.4 in 2 hrs HOURS
TANK / METER NO. _____ TANK COEF. _____

STATIC PRES. 75 DIFFERENTIAL PRES. 36 LINE SIZE 2.000
PLATE SIZE 1.500 COEFFICIENT 1.44 METER SPRING & DIFF. RANGE 100-400
REMARKS INPUT Gas 406
output Gas 799 EFF 5-10-95
J.F. 1467

WITNESSED BY James Costello GAUGED BY Lyn J. Quinn OFFICE OF CONSERVATION
TITLE FIELD FOREMAN TITLE CEA LAFAYETTE, LOUISIANA