

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I

P.O. Box 1980, Hobbs NM 88241-1980

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-025-06624
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name HARRY LEONARD (NCT-E)
8. Well No. 5
9. Pool name or Wildcat DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.)

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" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	2. Name of Operator Chevron U.S.A. Inc.
3. Address of Operator P.O. Box 1150, Midland, TX 79702	4. Well Location Unit Letter H : 2310 Feet From The NORTH Line and 330 Feet From The EAST Line Section 16 Township 21S Range 37E NMPM LEA County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: TA'D ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

POH W/TBG. LOCATED CSG LEAK @ 2850'. CIBP @ 6425' OK. LOCATED CSG LEAK 3928'-3960'. SET CR @ 3860'; SQZD W/75 SX CL "C" 1200#. RVRSD OUT 1 BBL CMT. SPOTTED 25 SX CL "C" @ 2973'. TSTD CSG 500#. TAGGED CMT @ 2705'; DRLD 2705'-3015'. TSTD CSG 300# 15 MIN - OK. DRLD CR & CMT 3860'-3965'. TSTD 300#. BLED TO 0# IN 10 SEC. SET CR @ 3860'. TSTD ANN - HELD OK. ESTAB INJ RATE. SQZD W/150 SX CL "C" 2500#. CIRC 2 BBLS. TAGGED CMT @ 3830'; DRLD 3830'-3860'. DRLD CR & CMT 3860'-3993'. CIRC HOLE CLEAN. TSTD CSG 500# 30 MIN - HELD OK.

TA'D 10/24/97

This Approval of Temporary
Abandonment Expires 3/30/2003

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE J. K. Ripley TITLE TECHNICAL ASSISTANT DATE 3/10/98

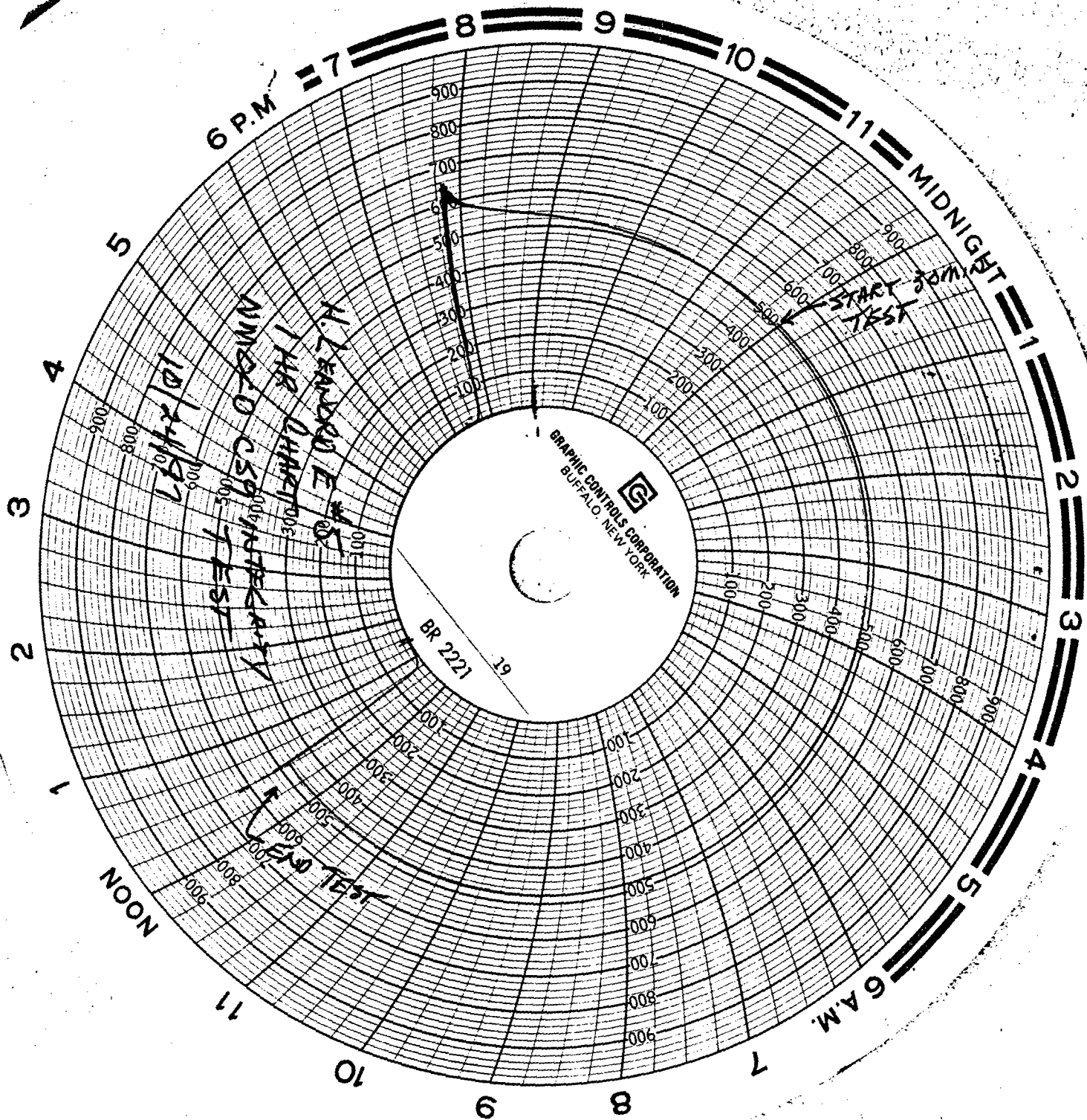
TYPE OR PRINT NAME J. K. RIPLEY TELEPHONE NO. (915)687-7148

(This space for State Use)

DISTRICT 1 SUPERVISOR

APPROVED BY Chris Williams TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-06624
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	HARRY LEONARD (NCT-E)
8. Well No.	5
9. Pool name or Wildcat	DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

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" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER SI	
2. Name of Operator Chevron U.S.A. Inc.	
3. Address of Operator P.O. Box 1150, Midland, TX 79702	
4. Well Location Unit Letter H : 2310 Feet From The NORTH Line and 330 Feet From The EAST Line Section 16 Township 21S Range 37E NMPM LEA County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: TA'D Shut-In ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

POH W/TBG. RAN SCRAPER TO 5293'; FOUND BAD SPOT IN CSG. RAN SCRAPER TO 6449'. SET CIBP @ 6425'. PPD 200 BBLS FLUID. TRIED TO PRESS TO 500#-COULD NOT; PRESSURE ON CSG WAS COMING FROM DRINKARD (HOLE IS PROBABLY IN AREA OF SQZD SPOT @ 5293'-5400').

WORK PERFORMED 7/1/97 - 7/7/97

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE J. K. Ripley TITLE TECHNICAL ASSISTANT DATE 8/19/97
TYPE OR PRINT NAME J. K. RIPLEY TELEPHONE NO. (915)687-7148

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE AUG 22 1997
CONDITIONS OF APPROVAL, IF ANY:

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-10
Revised February 10, 199

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, NM 87504-2088

Instructions on back
Submit to Appropriate District Office
5 Copies

35 DE 1995 NM 8 52 AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Chevron U.S.A. Inc. P.O. Box 1150 Midland, TX 79702		² OGRID Number 4323 EFFECTIVE 1-1-94
⁴ API Number 30-025-06624		³ Reason for Filing Code Remove extra Gas POD# 0709930
⁵ Pool Name Drinkard	⁶ Pool Code 19190	
⁷ Property Code 002669	⁸ Property Name Harry Leonard NCT-E	⁹ Well Number 5

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	16	21S	37E		2310	North	330	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Lse Code S	¹³ Producing Method Code SI	¹⁴ Gas Connection Date 01/07/95	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
024650	Warren Petroleum P.O. Box 1589 Tulsa, OK 74102	2806575	G	NOT connected to 0709930; please remove. Metered separately; gas POD s/b 2806575 only. Loc: H-16-21-37
022628	Texas-New Mexico Pipeline Co. P.O. Box 5568 TA Denver, CO 80217	0709910	O	Location: H-16-21-37

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBD	²⁹ Perforations
³⁰ Hole Sie	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief

Signature: *Sonja Gray*

Printed name:

Sonja Gray

Title:

Technical Assistant

Date: 12/21/95

Phone: 915-687-7348

OIL CONSERVATION DIVISION

Approved by:

Gary W. Wink

Title:

GARY W. WINK

Approval Date:

FIELD REPRESENTATIVE

DEC 26 1995

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
CHEVRON U.S.A. INC.

Address
P. O. Box 670, Hobbs, NM 88240

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	Other (Please explain) Name Change Effective 7-1-85
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	
	<input type="checkbox"/> Dry Gas	
	<input type="checkbox"/> Condensate	

If change of ownership give name and address of previous owner
Gulf Oil Corp., P. O. Box 670, Hobbs, NM 88240

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NOT-E)	Well No. 5	Pool Name, including Formation Drinker	Kind of Lease State, Federal or Fee	Lease No. B-1732
Location Unit Letter H	2310	Feet From The North	Line and 330	Feet From The East
Line of Section 16	Township 21-5	Range 37-E	NMPM, Sea	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> Ligas-Ten Mexico Pipeline Co.	Address (Give address to which approved copy of this form is to be sent) Box 1510 Midland TX 79701
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1589 Tulsa OK 74100
If well produces oil or liquids, give location of tanks. Unit G	Sec. 16
Twp. 21-5	Rge. 37-E
Is gas actually connected? Yes	When January 7, 1975

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

R.D. Pite
(Signature)

Area Engineer
(Title)

5-31-85

(Date)

OIL CONSERVATION DIVISION

APPROVED AVE-210, 19

BY J. P. S. S. S. S.
TITLE DISTRICT 1 SUPERVISOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-7

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ For ☐
5. State Oil & Gas Lease No.
B-1732

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator <u>Gulf Oil Corporation</u>	8. Farm or Lease Name <u>Henry Leonard Unit-E</u>
3. Address of Operator <u>P.O. Box 670, Hobbs, NM 88240</u>	9. Well No. <u>5</u>
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21S</u> RANGE <u>37E</u> NMPM.	10. Field and Pool, or Wildcat <u>Dinkard</u>
15. Elevation (Show whether DF, RT, GR, etc.)	12. County <u>Lea</u>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> <u>Repair Csg</u>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

POH w/ production csg. set RBP @ 6465' dump 2 sl frac sand on RBP. found leak @ 5348'-5300'. set cmt retainers @ 5223' test csg 500#. Pump 200 sl Class "C". Squeeze to 2100#. Tag cmt @ 5218'. Drill cmt. + cmt retainer to 5326'. Circ hole clean. Test squeeze 500# ok. Per 5 1/2" csg @ 2850' w/ (4) 1/2 JH. set cmt retainers @ 2782'. Pump 250 sl Class "C" w/ 1/2 gel + 200 sl Class "C" neat. Squeeze to 1000#. Tag cmt @ 2772'. Drill cmt retainer + cmt to 2865'. Test squeeze 500# ok. Circ and off RBP. POH. G.H. w/ rods, pump + tag. Ppg 580, 55BW to MCF gas in 24 hrs. Before, well was closed in. Complete after repairing csg leak + returning to production 8-8-83.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED RDP Pite TITLE AREA ENGINEER DATE 8-9-83
APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE AUG 11 1983
CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-1732	

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 - 1" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation	8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator P. O. Box 670, Hobbs, NM 88240	9. Well No. 5
4. Location of Well UNIT LETTER <u>H</u> , <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21S</u> RANGE <u>37E</u> NMPM.	10. Field and Pool, or Wildcat Drinkard
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <u>Repair Casing</u> <input checked="" type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1503.

POH with production equipment. Set RBP at 6470', cap with 10' sand. Locate casing leak from RBP to surface. Set cement retainer 75' above casing leak. Cement as necessary. Drill out cement retainer and cement. Test casing 500#. Clean out to RBP. POH with RBP. GIH with 2-7/8" tubing, rods and pump.

THIS COMMISSION ORDER IS VALID FOR
24 MONTHS FROM THE DATE OF ISSUANCE
A WORK

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.			
SIGNED <u>RDPitue</u>	TITLE <u>Area Engineer</u>	DATE <u>5-6-83</u>	
APPROVED BY <u>[Signature]</u>	TITLE <u>DISTRICT 1 SUPERVISOR</u>	DATE <u>MAY 9 1983</u>	
CONDITIONS OF APPROVAL, IF ANY:			

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. B-1732	

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation	8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator P. O. Box 670, Hobbs, NM 88240	9. Well No. 5
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21S</u> RANGE <u>37E</u> NMPM.	10. Field and Pool, or WHDCat Drinkard
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

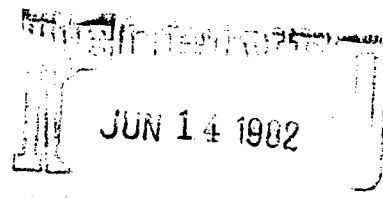
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Status Report

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The above well is currently closed in; uneconomical to produce.



18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R.D. Pate TITLE Area Engineer DATE 6-4-82

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE JUN 8 1982

CONDITIONS OF APPROVAL, IF ANY:

Expires 6/7/83

DISTRIBUTION	
SA	TA FE
FI	E
IN	G.S.
LD	OFFICE
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

I. Operator
Gulf Oil Corporation
Address
Box 670, Hobbs, New Mexico 88240
Reason(s) for filing (Check proper box)
New Well ☐ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
Other (Please explain)
Gas is connected to Warren's system but run to El Paso Natural Gas Co account
If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name, Including Formation Drinkard	Kind of Lease State, Federal or Fee State	Lease No. B-1732
Location Unit Letter H ; 2310 Feet From The North Line and 330 Feet From The East Line of Section 16 Township 21-S Range 37-E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipeline Co.	Address (Give address to which approved copy of this form is to be sent) Box 1510, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1589, Tulsa, Oklahoma 74100					
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 16	Twp. 21-S	Rge. 37-E	Is gas actually connected? Yes	When January 7, 1975

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'tv.	Diff. Res'tv.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

B. J. Barba
(Signature)
Area Engineer
(Title)
January 8, 1975
(Date)

OIL CONSERVATION COMMISSION
JAN 9 1975
APPROVED
BY **John D. Hines**
TITLE **SUPERVISOR DISTRICT I**
This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition

DISTRIBUTION			
SA	TA	FE	
F	E		
G.S.			
ID OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OFFICE			

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

I.

Operator Gulf Oil Corporation		Reason(s) for filing (Check proper box)		Other (Please explain)	
Address Box 670, Hobbs, New Mexico 88240		New Well <input type="checkbox"/>		Abandoned Wantz Abo & Comp. in Drinkard	
		Recompletion <input type="checkbox"/>		Gas will be connected to Warren's syste	
		Change in Ownership <input type="checkbox"/>		but run to El Paso Natural Gas Co. Acct	
		Change in Transporter of:			
		Oil <input type="checkbox"/>		Dry Gas <input type="checkbox"/>	
		Casinghead Gas <input type="checkbox"/>		Condensate <input type="checkbox"/>	
If change of ownership give name and address of previous owner					

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name, Including Formation (Drinkard)	Kind of Lease State, Federal or Fee	Lease No. B-1732
Location Unit Letter H ; 2310 Feet From The North Line and 330 Feet From The East Line of Section 16 Township 21-S Range 37-E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipeline Co.	Address (Give address to which approved copy of this form is to be sent) Box 1510, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1589, Tulsa, Oklahoma 74100					
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 16	Twp. 21-S	Rge. 37-E	Is gas actually connected? No	When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Recompleted 11-21-74	Date Compl. Ready to Prod. 11-21-74	Total Depth 8220	P.B.T.D. 6707'					
Elevations (DF, RKB, RT, GR, etc.) 3481' GL	Name of Producing Formation Drinkard	Top Oil XX Pay 6484'	Tubing Depth 6415'					
Perforations 6484' to 6663'			Depth Casing Shoe 7999'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
17-1/4"	12-3/4"		268'		325 sacks (Circulated)			
11"	8-5/8"		2799'		1100 sacks (Circulated)			
7-7/8"	5-1/2"		7999'		131 sacks (TOC at 7540)			
	2-7/8"		6415'					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 11-21-74	Date of Test 11-25-74	Producing Method (Flow, pump, gas lift, etc.) Flow	
Length of Test 24 hours	Tubing Pressure 600#	Casing Pressure --	Choke Size 20/64"
Actual Prod. During Test 44	Oil-Bbls. 42	Water-Bbls. 2	Gas-MCF 1168

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.


(Signature)

Area Engineer

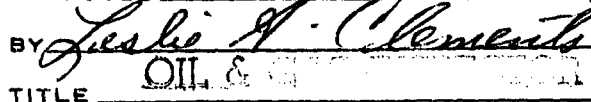
(Title)

November 27, 1974

(Date)

OIL CONSERVATION COMMISSION

APPROVED


BY **Leslie A. Clements**
TITLE **OIL & GAS**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

N. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
B-1732

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation	8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator Box 670, Hobbs, New Mexico 88240	9. Well No. 5
4. Location of Well UNIT LETTER H 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 21-S RANGE 37-E NMPM.	10. Field and Pool, or Wildcat Drinkard
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL	12. County Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

Abandoned Wantz Abo and completed in Drinkard

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8220' TD, 6707' PB.

Pulled producing equipment. Set cement retainer at 6707' and squeezed Wantz Abo perforations 6745' to 7229' with 150 sacks of Class C cement. Reversed out approximately 10 sacks. Maximum pressure 1150#. Held 1000#, 30 minutes, OK. Perforated Drinkard zone in 5-1/2" casing with 4, 1/2" JHPF at 6484-86', 6527-29', 6586-88', 6608-10' and 6661-63'. Ran Baker Model R packer on 2-7/8" tubing and set at 6415' with 14,000# compression. Treated new perforations with 1600 gallons of 15% NE acid and frac treated with 10,000 gallons of gel water and 25,000 gallons containing 1 to 2# SPG. Flushed with 1900 gallons of gel water. Maximum pressure 3700#, minimum 3100#, ISIP 1550#, after 15 minutes 1400#. AIR 15.1 BPM. Flowed and cleaned up. Closed well in pending gas line connection.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *B. J. Barbratz* TITLE Area Engineer DATE November 27, 1974

APPROVED BY *Leslie A. Clement* TITLE OIL & GAS DATE DEC 2 1974

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANITARY	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-85

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. B-1732	

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>		7. Unit Agreement Name	
2. Name of Operator Gulf Oil Corporation		8. Farm or Lease Name Harry Leonard (NCT-E)	
3. Address of Operator P. O. Box 670, Hobbs, N.M. 88240		9. Well No. 5	
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>north</u> LINE AND <u>330</u> FEET FROM THE <u>east</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21S</u> RANGE <u>37E</u> NMPM.		10. Field and Pool, or Wildcat Wantz Abo	
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL		12. County Lea	

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <u>Well Status Report</u> <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

Well last produced in May, 1974. Will recomple in Drinkard in 1975.

Expires 10/1/75

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED B. J. Barbut TITLE Area Engineer DATE 10-15-74

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT I DATE OCT 22 1974

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation		8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator Box 670, Hobbs, New Mexico 8824 0		9. Well No. 5
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.		10. Field and Pool, or Wildcat Wantz Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL		12. County Lea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

OTHER Abandon Wantz Abo and complete in Drinkard ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8220' TD, 7245' PB.

Pull producing equipment. Set cement retainer at approximately 6710' and squeeze Wantz Abo perforations 6745' to 7229' with approximately 200 sacks of cement. Perforate Drinkard zone in 5-1/2" casing with 4, 1/2" JHPF in the approximate interval 6484' to 6663'. Run 2-7/8" tubing and packer. Set packer at approximately 6450' and treat new perforations with 2,000 gallons of 15% NE acid and frac treat with 10,000 gallons of gel water and 25,000 gallons of gel water containing 1 to 2# SPG. Flush with 1900 gallons of water. Swab and clean up and place well on production.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED B. J. Bantaz TITLE Area Engineer DATE August 9, 1974
APPROVED BY John A. Remyer TITLE Geologist DATE AUG 12 1974
CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I.

Operator

Gulf Oil Corporation

Address

Box 670, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

New Well ☐

Recompletion ☐

Change in Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)

Change in oil transporter, effective
February 28, 1973

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name

Harry Leonard (NCT-E)

Well No.

5

Pool Name, Including Formation

Wantz Abo

Kind of Lease

State, Federal or Fee

Fee

Lease No.

Location

Unit Letter H

2310

Feet From The North

Line and

330

Feet From The

East

Line of Section 16

Township 21-S

Range 37-E

NMPM,

Lea

County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒

or Condensate ☐

Address (Give address to which approved copy of this form is to be sent)

Texas-New Mexico Pipeline Co..

Box 1510, Midland, Texas 79701

Name of Authorized Transporter of Casinghead Gas ☒

or Dry Gas ☐

Address (Give address to which approved copy of this form is to be sent)

Warren Petroleum Corporation

Box 1589, Tulsa, Oklahoma 74100

If well produces oil or liquids,
give location of tanks.

Unit

G

Sec.

16

Twp.

21-S

Rge.

37-E

Is gas actually connected?

Yes

When

1-13-73

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay			Tubing Depth				
Perforations					Depth Casing Shoe				
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Area Engineer

February 28, 1973

OIL CONSERVATION COMMISSION

APPROVED

BY

TITLE SUPERVISOR DISTRICT I

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

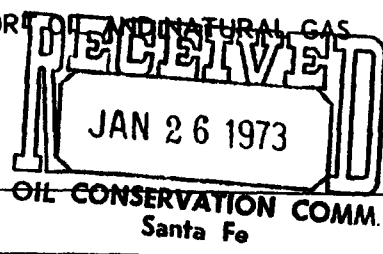
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-11
Effective 1-1-65



I. Operator
Gulf Oil Corporation
Address
Box 670, Hobbs, New Mexico 88240
Reason(s) for filing (Check proper box)
New Well ☐ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
Other (Please explain)
Recompletion

If change of ownership give name and address of previous owner
THIS WELL HAS BEEN PLACED IN THE POOL DESIGNATED BELOW. IF YOU DO NOT CONCUR NOTIFY THIS OFFICE.

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name, Including Formation Wantz Abo	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter H ; 2310 Feet From The North Line and 330 Feet From The East Line of Section 16 Township 21-S Range 37-E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> The Permian Corporation	Address (Give address to which approved copy of this form is to be sent) Box 3119, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1589, Tulsa, Oklahoma 74100					
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 16	Twp. 21-S	Rge. 37-E	Is gas actually connected? Yes	When 1-13-73

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X) X	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Completed recompleted 1-10-73	Date Compl. Ready to Prod. 1-10-73		Total Depth 8220'		P.B.T.D. 7245'			
Elevations (DF, RKB, RT, GR, etc.) 3481' GL	Name of Producing Formation Abo		Top Oil Pay 6745'		Tubing Depth 6698'			
Perforations 6745 - 7229'					Depth Casing Shoe 7999'			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
17-1/4"	12-3/4"		268'		325 sacks (Circulated)			
11"	8-5/8"		2799'		1100 sacks (Circulated)			
7-7/8"	5-1/2"		7999'		131 sacks (TOC at 7540)			
	2-7/8"		6698'					

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 1-10-73	Date of Test 1-13-73	Producing Method (Flow, pump, gas lift, etc.) Flow	
Length of Test 23 hours	Tubing Pressure 150#	Casing Pressure --	Choke Size 16/64"
Actual Prod. During Test 48 barrels	Oil-Bbls. 48	Water-Bbls. 0	Gas-MCF --

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

K.J. Bragale
(Signature)
Area Engineer
(Title)
January 18, 1973
(Date)

OIL CONSERVATION COMMISSION
JAN 22 1973
APPROVED _____, 19____
BY **Joe O. Smith**
TITLE **SUPERVISOR DISTRICT I**
This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation	8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator Box 670, Hobbs, New Mexico 88240	9. Well No. 5
4. Location of Well UNIT LETTER H 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 21-S RANGE 37-E NMPM.	10. Field and Pool, or Wildcat Wantz Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER <input type="checkbox"/>		OTHER Abandoned Loop 18 Montoya and re-completed in Wantz Abo <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7245' PB.

Pulled producing equipment. Ran CI BP and set at 7280'. Dumped 35' cement on top of BP, abandoning Montoya perforations 7295' to 7333'. Calculated PB at 7245'. Tested casing and BP with 500#, OK. Perforated 5-1/2" casing in Abo zone with 2, 1/2" JHPF at 6745-47', 6820-22', 6888-90', 6956-58', 7024-26', 7161-63', 7198-7200' and 7227-29'. Treated new perforations with 4500 gallons of 15% NE acid. Maximum pressure 3400#, ISIP 1500#, after 15 minutes 1100#. AIR 5.4 BPM. Swabbed and cleaned up and placed well on production.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *K. J. Buzzeale* TITLE Area Engineer DATE January 18, 1972

APPROVED BY *[Signature]* TITLE SUPERVISOR DISTRICT I DATE JAN 19 1973

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

B-1732

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name Harry Leonard (NCT-E)	
2. Name of Operator Gulf Oil Corporation		9. Well No. 5	
3. Address of Operator Box 670, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Loop 18 Montoya	
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>16</u> TWP. <u>21-S</u> RGE. <u>37-E</u> NMPM		12. County Lea	
19. Proposed Depth 7320'		19A. Formation Abo	
21. Elevations (Show whether DF, RT, etc.) 3481' GL		20. Rotary or C.T. --	
21A. Kind & Status Plug. Bond Blanket		22. Approx. Date Work will start January 4, 1973	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/4"	12-3/4"	50#	268'	325 sacks (Circulated)	
11"	8-5/8"	32#	2799'	1100 sacks (Circulated)	
7-7/8"	5-1/2"	15.50#	7999'	131 sacks (TOO at 5392')	

7375' PB, 8220' TD.

Pull producing equipment. Set CI BP in 5-1/2" casing at approximately 7350'. Dump 35' cement plug on top of BP, abandoning Montoya perforations 7295' to 7333'.*Perforate Abo zone in 5-1/2" casing with 2, 1/2" JHPF at approximately 6745-47', 6820-22', 6888-90', 6956-58', 7023-26', 7161-63', 7198-7200' and 7227-29'. Treat new perforations with 4,000 gallons of 15% NE acid. Swab and clean up and place well on production.

* Test BP and casing with 500#.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed H. J. Brezeale Title Area Engineer Date January 4, 1973

(This space for State Use)

APPROVED BY John W. Ryan TITLE Geologist DATE JAN 5 1973

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.C.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
B-1732

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 --" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation	8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator Box 670, Hobbs, New Mexico 88240	9. Well No. 5
4. Location of Well UNIT LETTER H, 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 21-S RANGE 37-E NMPM.	10. Field and Pool, or Wildcat Loop 18 Montoya
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL	12. County Lea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK	<input type="checkbox"/>
TEMPORARILY ABANDON	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>
OTHER	<input type="checkbox"/>

PLUG AND ABANDON	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>
OTHER	<input type="checkbox"/>

SUBSEQUENT REPORT OF:

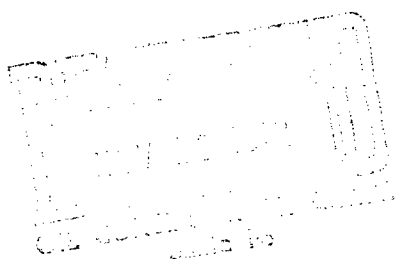
REMEDIAL WORK	<input type="checkbox"/>
COMMENCE DRILLING OPNS.	<input type="checkbox"/>
CASING TEST AND CEMENT JOBS	<input type="checkbox"/>
OTHER	<input type="checkbox"/>

Closed in Report.

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7375' PB.

Subject well uneconomical to produce at this time. To be carried as closed in.



18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>H. J. Breazeal</u>	TITLE <u>Area Engineer</u>	DATE <u>November 3, 1972</u>
APPROVED BY <u>John W. Runyan</u>	TITLE <u>Geologist</u>	DATE <u>NOV 6 1972</u>
CONDITIONS OF APPROVAL, IF ANY:		

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

**NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104
Supersedes Old C-104 and C-105
Effective 1-1-65

I.

Operator

Gulf Oil Corporation

Address

Box 670, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

New Well ☐

Recompletion ☐

Change in Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)

Change in Oil Transporter, effective February 9, 1972

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name

Harry Leonard (NCT-E)

Well No.

5

Pool Name, Including Formation

Loop 18 Montoya

Kind of Lease

State, Federal or Fee **State**

Lease No.

27179

Location

Unit Letter **H** ; **2310** Feet From The **North** Line and **330** Feet From The **East**

Line of Section **16** Township **21-S** Range **37-E** , NMPM, **Lea** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐

The Permian Corporation

Address (Give address to which approved copy of this form is to be sent)

Box 3119, Midland, Texas 79701

Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐

Warren Petroleum Corporation

Address (Give address to which approved copy of this form is to be sent)

Box 1589, Tulsa, Oklahoma 74100

If well produces oil or liquids, give location of tanks.

Unit

G

Sec.

16

Twp.

21-S

Rge.

37-E

Is gas actually connected?

Yes

When

February 21, 1970

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

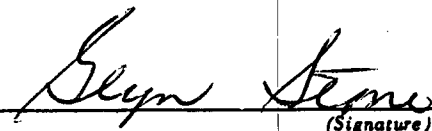
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.


(Signature)

Petroleum Engineer

(Title)

February 9, 1972

(Date)

OIL CONSERVATION COMMISSION

APPROVED **FEB 10 1972** , 19

BY 
TITLE **SUPERVISOR DISTRICT I**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition. Separate Form C-104 must be filed for each pool in multiple.

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-11
Effective 1-1-65

FEB 24 1970

I.

Operator	Gulf Oil Corporation		
Address	Box 670, Hobbs, New Mexico 88240		
Reason(s) for filing (Check proper box)	Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	Dry Gas <input type="checkbox"/>	To show gas transported, effective 2-21-70
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Condensate <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>		
If change of ownership give name and address of previous owner			

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Harry Leonard (NCT-E)	5	Loop 18 Montoya	State, Federal or Fee State	27179
Location				
Unit Letter <u>H</u> ; <u>2310</u> Feet From The <u>North</u> Line and <u>330</u> Feet From The <u>East</u>				
Line of Section <u>16</u> Township <u>21-S</u> Range <u>37-E</u> , NMPM, <u>Lea</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Admiral Crude Oil Corporation	Box 1713, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Warren Petroleum Corporation	Box 1589, Tulsa, Oklahoma					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	G	16	21S	37-E	Yes	February 21, 1970

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

CD Borland
(Signature)

Area Production Manager

(Title)

February 21, 1970

(Date)

OIL CONSERVATION COMMISSION

APPROVED

FEB 25 1970

, 19

BY

TITLE

SUPERVISOR DISTRICT 6

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

MAIN OFFICE 000

'70 FEB 27 AM 8 38

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

FEB 24 1970

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation		8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator Box 670, Hobbs, New Mexico 88240		9. Well No. 5
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.		10. Field and Pool, or Wildcat Loop 18 Montoya
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL		12. County Dea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

Acidized

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7375' PB.

Pulled rods, pump and tubing. Ran Baker Model R packer on 2-7/8" tubing and set at 7250' with 14,000# compression. Loaded tubing - casing annulus with brine water. Treated 5-1/2" casing perforations 7295' to 7333' with 3,000 gallons of 28% NE acid. Flushed with 45 barrels of brine water. Maximum pressure 2600#, minimum 1500#, AIR 5.25 bpm, ISIP 2100#, after 15 minutes 1900#. Swabbed and cleaned up. Pulled tubing and packer. Ran 2-7/8" tubing, rods and pump and returned well to production.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Bob Borland TITLE Area Production Manager DATE February 24, 1970

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 9 DATE

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-1
Effective 1-1-65

OCT 3 1969

I. Operator
Gulf Oil Corporation
Address
Box 670, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

New Well ☐

Recompletion ☒

Change in Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)

Re-entered plugged and abandoned well

If change of ownership give name
and address of previous owner

CHANGE

OK

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name (Including Formation) Wildcat - Montoya	Kind of Lease State, Federal or Fee State	Lease No. 27179
Location Unit Letter <u>H</u> ; <u>2310</u> Feet From The <u>North</u> Line and <u>330</u> Feet From The <u>East</u> Line of Section <u>16</u> Township <u>21-S</u> Range <u>37-E</u> , NMPM, <u>Lea</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Admiral Crude Oil Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1713, Midland, Texas 79701	
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Vented - Waiting on tank battery construction	Address (Give address to which approved copy of this form is to be sent)	
If well produces oil or liquids, give location of tanks.	Unit H	Sec. 16
	Twp. 21S	Rge. 37-E
	Is gas actually connected? No	
	When	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spore Re-entered 9-1-69	Date Compl. Ready to Prod. 9-11-69	Total Depth 8220'	P.B.T.D. 7375'					
Elevations (DF, RKB, RT, GR, etc.) 3481' GL	Name of Producing Formation Montoya	Top Oil/Gas Pay 7295'	Tubing Depth 7345'					
Perforations 7295-97', 7317-19' & 7331-33'			Depth Casing Shoe 7999'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
17-1/4"	12-3/4"		268'		325 sacks (Circulated)			
11"	8-5/8"		2799'		1100 sacks (Circulated)			
7-7/8"	5-1/2"		7999'		131 sacks (TOC at 5392)			
	2-7/8"		7345'					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 9-11-69	Date of Test 9-30-69	Producing Method (Flow, pump, gas lift, etc.) Pumping	
Length of Test 24 hours	Tubing Pressure --	Casing Pressure --	Choke Size 22
Actual Prod. During Test 232	Oil - Bbls. 226	Water - Bbls. 6	Gas - MCF --

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.



Area Production Manager

(Title)

September 30, 1969

(Date)

OIL CONSERVATION COMMISSION

APPROVED

SEP 30 1969

BY

TITLE

SUPERVISOR DISTRICT I

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. 27179
7. Unit Agreement Name
8. Farm or Lease Name Harry Leonard (NCT-E)
9. Well No. 5
10. Field and Pool, or Wildcat Wildcat
12. County Lea

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- 2. Name of Operator Gulf Oil Corporation 3. Address of Operator Box 670, Hobbs, New Mexico 88240 4. Location of Well UNIT LETTER H 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 21-S RANGE 37-E NMPM.	15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL
---	--

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>

Re-entered and completed plugged and abandoned well.

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8220' TD. 7375' FB.

Cleaned out with 4-5/8" bit to 6224'. Tested 5-1/2" perforations at 6200' with 1500#, 20 minutes, OK. Cleaned out to new plug back at 7375'. Perforated 5-1/2" casing from 7295-97', 7317-19' and 7331-33' with 4, 3/8" JHPF. Ran packer on 2-7/8" tubing and set packer at 7370'. Tested casing with 2000#, OK. Spotted 500 gallons of 15% NE acid at 7313'. Set packer in compression at 6693' with 19,000#. Pressured casing with 800#. Formation broke with 1800#. Treated with 2000#. AIR 5 bpm. ISIP 1400#, after 5 minutes 1300#. Swabbed and cleaned up. Ran rods and pump and placed well on production.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Area Production Manager

DATE September 16, 1969

APPROVED BY SUPERVISOR DISTRICT

DATE SEP 30 1969

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION. C.

AUG 26 4 20 AM '69

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
27172

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work Re-enter P & A well		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Harry Leonard (NCT-E)	
2. Name of Operator Gulf Oil Corporation		9. Well No. 5	
3. Address of Operator Box 670, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Undes. Montoya	
4. Location of Well UNIT LETTER H LOCATED 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE OF SEC. 16 TWP. 21-S RGE. 37-E NMPM		12. County Lea	
19. Proposed Depth 7450'		19A. Formation Montoya	20. Rotary or C.T. Reverse Unit
21. Elevations (Show whether DF, RT, etc.) 3481' GL	21A. Kind & Status Plug. Bond Blanket	22. Approx. Date Work will start September 1, 1969	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/4"	12-3/4"	50#	268'	325 sacks (Circulated)	
11"	8-5/8"	32#	2799'	1100 sacks (Circulated)	
7-7/8"	5-1/2"	15.5 & 20#	7999' *	131 sacks (TOC at 5392').	

* 5-1/2" casing set at 7999', cut and recovered from 5342'.

It is proposed to re-enter well as follows: Drill surface plug with rat hole machine. Drill plug at 2200' to 2250' with 7-7/8" bit with reverse unit. Test 8-5/8" perforations at 2240' with 1000#, 30 minutes. Drill plugs at 2750' to 2850' and 5100' to 5200'. Wash over 5-1/2" casing stub at 5342' and dress off top of stub with internal mill. Run Bowen casing patch and 5-1/2" 15.5# J-55 casing. Latch on 5-1/2" casing stub. Test with 1000#, 30 minutes. Run 4-1/2" bit and drill out retainer at 6150' and cement below retainer. Test perforations at 6200' with 1000#, 30 minutes. Drill retainer at 7350' and clean out to 7450'. Test perforations at 7400' with 1000#, 30 minutes. Perforate 5-1/2" casing at approximately 7310' to 7350' with 2, 1/2" JHFF. Acidize new perforations with 500 gallons of 15% NE acid. Swab and test.

APPROVED FOR 90 DAYS UNLESS DRILLING COMMENCED.

11-27-69

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON EXISTING PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Bob Borland Title Area Production Manager Date August 26, 1969

(This space for State Use)

APPROVED BY Joe A. Stoney TITLE SUPERVISOR DISTRICT 1 DATE AUG 27 1969

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

SEP 9 2 13 PM '69

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	27179

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation	8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator Box 670, Hobbs, New Mexico 88240	9. Well No. 5
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1503.

Removed dry hole marker. Abbott Brothers drilled 45' surface plug with rat hole machine. Cleaned out with reverse unit to 2435'. Tested perforations in 8-5/8" casing at 2240' with 1000#, 30 minutes, OK. Cleaned out to top of 5-1/2" casing stub at 5348'. Washed over and milled casing stub from 5348' to 5351'. Circulated and POH. Ran 5-1/2" Bowen casing patch on 2 joints, 58' of 5-1/2" 17# N-80 LT&C, 5 joints, 163' of 17# J-55 ST&C, 73 joints, 2359' of 14# J-55 ST&C, 74 joints, 2356' of J-55 ST&C and 12 joints and 1 cut joint, 402' of J-55 15.5# LT&C casing. Total of 166 joints and 1 cut joint, 5338'. Latched onto casing stub at 5351' with 28,000# tension. Released tension to 10,000# and tested casing with 1600#, 30 minutes. OK. Landed casing with 8,000# tension on patch. Cleaned out and tested casing at 5418' with 1400#, 30 minutes. OK.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>[Signature]</u>	TITLE <u>Area Production Manager</u>	DATE <u>September 8, 1969</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>SUPERVISOR DISTRICT 9</u>	DATE <u>SEP 9 1969</u>
CONDITIONS OF APPROVAL, IF ANY:		

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	<input checked="" type="checkbox"/>	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

January 12, 1953

(Date)

Hobbs, New Mexico

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation

(Company or Operator)

Harry Leonard

(Lease)

Price Drilling Company

(Contractor)

Well No. 5 in the SE 1/4 NE 1/4 of Sec. 16

T. 21-S, R. 37-E, NMPM, Hare Pool, Lea County.

The Dates of this work were as follows: December 29, 1952 - January 6, 1953

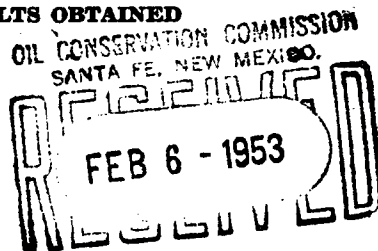
Notice of intention to do the work (was) ~~submitted~~ submitted on Form C-102 on December 23, 1952, 19

(Cross out incorrect words)

and approval of the proposed plan (was) ~~obtained~~ obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

SEE ATTACHED SHEET



Witnessed by J. F. Combs Gulf Oil Corporation Drilling Foreman

(Name)

(Company)

(Title)

Approved:

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name Charles Taylor

Position Area Prod. Supt.

Representing Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico

Noe Yasharovich
(Name)
District Inspector
(Title)

(Date)

HARRY LEONARD "E" #5

Displaced oil in 5½" casing and 2-3/8" tubing w/160 bbls water. Pulled 2-3/8" tubing, mixed 360 bbls 45 viscosity mud. Ran HOWCO 5½" DM cement retainer on tubing. Set retainer at 7700', mixed and pumped 250 sacks regular Neat Trinity cement thru tubing, pumped 10 bbls water ahead of cement. Formation broke down w/2800# pressure, back to 2200#. Squeezed 130 sacks below retainer w/3000# maximum pressure. Picked up tubing 2' above retainer and back washed 118 sacks cement. Mixed 800 bbls 12# 55 viscosity mud, tested perforation gun lubricator w/2000# pressure, OK. Perforated 5½" casing at 7400' w/6, 3/8" jet holes by Welox. Killed well w/770 bbls mud, pumped thru perforations at 7400' w/2 HOWCO pump trucks. Ran HOWCO 5½" DM squeeze cement retainer on tubing. Set retainer at 7350' and cemented thru tubing and perforations in 5½" casing at 7400' w/355 sacks Trinity Regular Neat cement. Maximum pressure 1100#. Drop bar and closed valve in retainer OK. Backed off and displaced 15' of cement on top retainer, reversed out 25 sacks cement, pulled tubing. Ran HOWCO temperature survey in 12 hours, top cement behind 5½" casing at 5392', WOC 36 hours. Perforated 5½" casing at 6200' w/4, 3/8" jet holes by Welox. Ran HOWCO 5½" DM cement retainer on tubing, set at 6150'. Broke formation down w/2200# pressure back to 1600#, pumped 20 bbls water into formation at 1 bbl per minute w/1600#. Mixed and pumped 300 sacks Regular Neat Longhorn cement, staged 279 sacks into formation thru perforations in 5½" casing at 6200'. Maximum pressure 3000#. Left 7 sacks in casing below retainer, 2 sacks on top retainer and reversed out 12 sacks. Ran HOWCO temperature survey in 6 hours, no cement show above 5392'. Cut 5½" casing at 5342' w/McCullough jet cutter, pulled 5½" casing, recovered 164 joints 5334'. Plug in hole. Heavy mud from 6135' to 5200', 31 sacks cement plug from 5200' to 5100'. Heavy mud from 5100' to 2850', 37 sacks cement plug from 2850' to 2750'. Heavy mud from 2750' to 2250', 18 sacks cement plug from 2250' to 2200'. Heavy mud from 2200' to 50', 18 sacks cement plug from 50' to surface. Installed 4" pipe marker extending 4' above surface.

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

(Form C-102)
(Revised 7/1/52)

MISCELLANEOUS NOTICES

Submit this notice in TRIPPLICATE to the District Office, Oil Conservation Commission, before the work specified is to be begun. This notice will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL	XX	NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Hobbs, New Mexico

December 23, 1952

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Harry Leonard NEGulf Oil Corporation

(Company or Operator)

Well No. 5 in H

(Unit)

SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec. 16, T. 21-S, R. 37-E, NMPM, Hare Pool

(40-acre Subdivision)

Lea County.FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Displace oil in 5½" casing with 12# mud - Pull tubing - Run 5½"; 20# HOWCO type DC cement retainer on 2-3/8" tubing, set retainer at 7700' and squeeze with 50 sacks cement, leave 5' cement on top of retainer. Run casing knife and cut 5½" casing at 7400' - Pull 5½" casing - Spot cement plug from 6600' to 6125'. Spot 100' plug from 5200' to 5100' - Spot 100' plug from 2850' to 2750' - Spot cement plug 50' to surface. Heavy mud intervals between cement plugs. Install 4" pipe marker to extend 4' above surface.

Approved DEC 24 1952, 19 1952
Except as follows:Gulf Oil Corporation
Company or OperatorBy Chas Taylor
Position Area Production Supt.
Send Communications regarding well to:Name Gulf Oil CorporationAddress Box 2167, Hobbs, New Mexico

COMMISSION

rough1 & 2

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

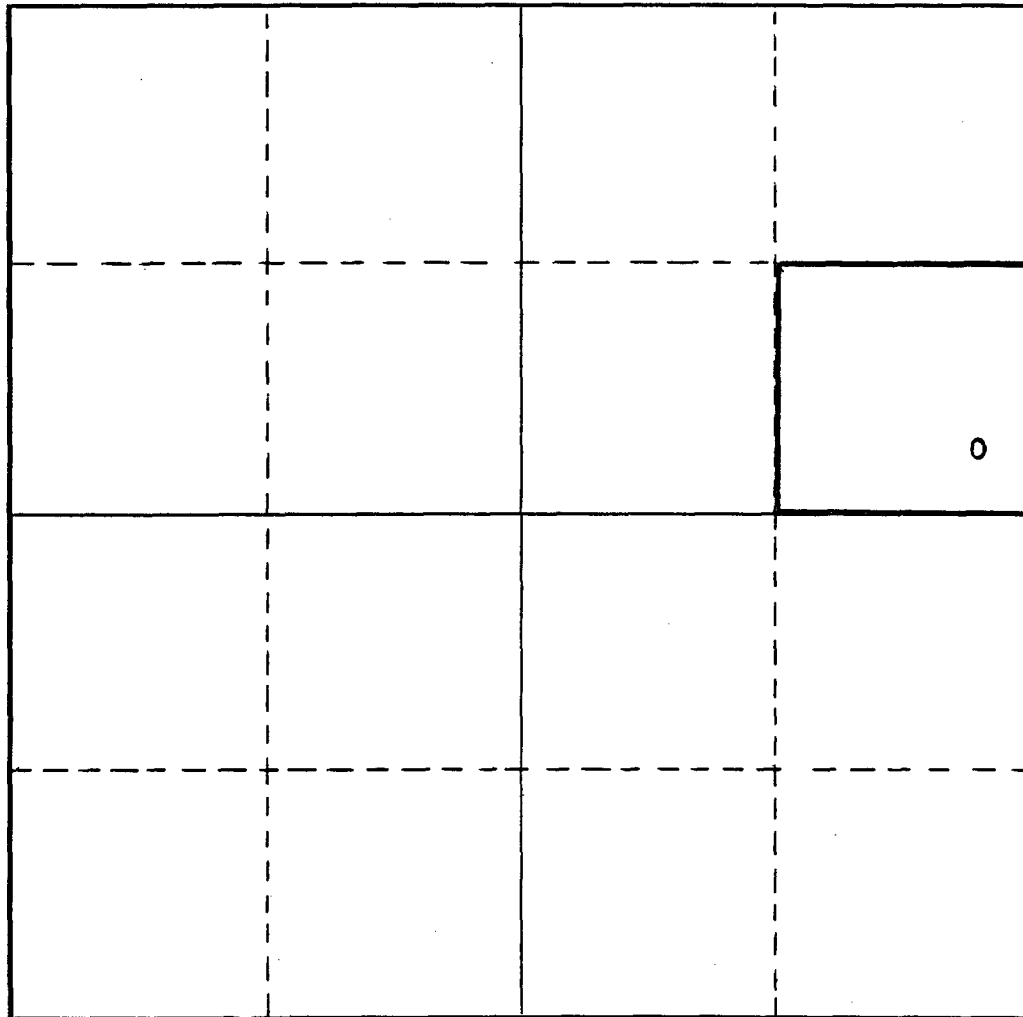
Operator Gulf Oil Corporation			Lease Harry Leonard (NCT-E)			Well No. 529
Unit Letter H	Section 16	Township 21-S	Range 37-E	County Lea		
Actual Footage Location of Well: 2310 feet from the North line and 330 feet from the East line						
Ground Level Elev: 3481'	Producing Formation Montoya		Pool Undesignated Montoya		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *C. Mace*
Position
Area Petroleum Engineer
Company
Gulf Oil Corporation

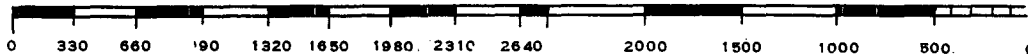
Date
August 26, 1969

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.



RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0' feet to 8220' feet, and from PBDT 7930' feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 27, 1952, 19

OIL WELL: The production during the first 24 hours was Pumped 19 barrels of liquid of which 100% was oil; 0% was emulsion; 0% water; and 0% was sediment. A.P.I. Gravity.

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy		T. Devonian	
T. Salt		T. Silurian	
B. Salt		T. Montoya	7320'
T. Yates	2670'	T. Simpson	7570'
T. 7 Rivers		T. McKee	7855'
T. Queen		T. Ellenburger	
T. Grayburg		T. Gr. Wash	
T. San Andres		T. Granite	
T. Glorieta	5190'	T. Connell	8170'
T. Drinkard		T.	
T. Tubbs	6175'	T.	
T. Abo		T.	
T. Penn		T.	
T. Miss		T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	90'		Surface Sand & Caliche	DEVIATIONS - TOTCO SURVEYS			
	105		Rock		DEPTH		DEG. OFF
	185		Red Bed		200'		3/4
	1275		Red Bed & Red Rock		800		1/2
	1375		Red Rock & Anhydrite		1050		1/2
	1555		Salt		1326		3/4
	2250		Salt & Anhydrite		1800		1/4
	3028		Anhydrite		2050		1/2
	3330		Anhydrite & Lime		2325		1
	7368		Lime		2600		1-1/2
	7404		Lime & Chert		3680		1
	7425		Lime		3980		1
	7479		Lime & Chert		4300		1
	7714		Lime		4600		3/4
	7950		Lime & Shale		5000		3/4
	7999		Shale & Sand		5550		1
	8072		Shale		5850		1/2
	8085		Shale & Sand		6150		1/2
	8116		Shale		6500		3/4
	8153		Shale & Lime		6950		1/2
	8164		Shale		7475		1-1/2
	8188		Shale & Lime		7790		1-3/4
	8200		Shale				
	8220		Lime & Shale				
	7930		PLUGGED BACK TOTAL DEPTH				

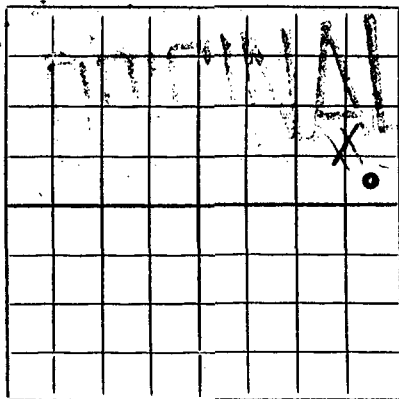
ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

November 14, 1952 (Date)

Company or Operator Gulf Oil Corporation Address Box 2167, Hobbs, New Mexico

Name E. J. Taylor Position or Title Area Prod. Supt.

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

NOV 14 1952

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Gulf Oil Corporation

(Company or Operator)

Harry Leonard "E"

(Lease)

Well No. 5, in SE 1/4 of NE 1/4, of Sec. 16, T. 21-S, R. 37-E, NMPM.

Hare Pool, Lea County.

Well is 2310 feet from North line and 330 feet from East line

of Section 16-21s-37e. If State Land the Oil and Gas Lease No. is 27179

Drilling Commenced June 22, 1952, 19. Drilling was Completed October 27, 1952, 19.

Name of Drilling Contractor Fran Drilling Company

Address Box 1206, Odessa, Texas

Elevation above sea level at Top of Tubing Head. The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from 7855' to 8035' No. 4, from to

No. 2, from to No. 5, from

No. 3, from to No. 6, from

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
12-3/4"	50#	New	251'				
8-5/8"	32#	New	2786'				
5-1/2"	15 1/2 & 20#	New	7988'			7929' - 7865'	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4"	12-3/4"	268'	325	HOWCO		
11"	8-5/8"	2799'	1000	HOWCO		
7-7/8"	5 1/2"	7999'	131	HOWCO		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

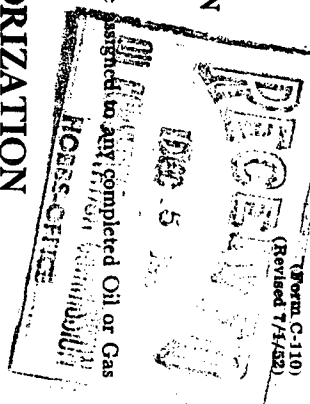
NONE

Result of Production Stimulation NONE

Depth Cleaned Out

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be well. Submit this form in QUADRUPLICATE.



CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Gulf Oil Corporation Lease Harry Leonard "H"

Address Box 3167, Hobbs, New Mexico Box 1290, Fort Worth, Texas
(Local or Field Office) (Principal Place of Business)

Unit H, Well(s) No. 5, Sec. 16, T. 21-S, R. 37-E, GM Pool, Harry Leonard "H"
SANTA FE, NEW MEXICO. (Principal Place of Business)

County Lea Kind of Lease: State

If Oil well Location of Tanks On Lease

Authorized Transporter Magnolia Petroleum Company

Midland, Texas Dallas, Texas
(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported 100 Other Transporters authorized to transport Oil or Natural Gas

from this unit are none %

REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☐

CHANGE IN TRANSPORTER ☒ OTHER (Explain under Remarks) ☐

REMARKS:

HARRY LEONARD "E" #5

DRILL STEM TESTS

No. 1, 7-29-52 - Drill Stem Test - Misrun.

No. 2, 7-30-52 - 1 Hour Johnston Drill Stem Test 7290-7415' with 3/4" choke at 7265' - Used 2 packers at 7290' and 7284' - Bombs at 7423' and 7421' - Tool opened 12:30 AM 7-30-52 - No gas, good blow of air throughout test - Recovered 350' gas cut mud with trace oil, no water - Hydrostatic Pressure 3875# - Flowing Pressure 150# - 15 minute BHP 475#.

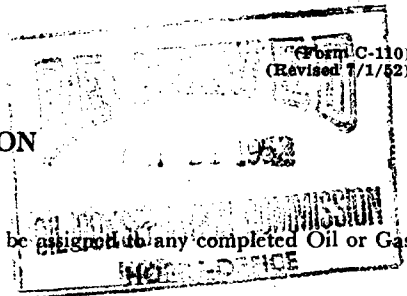
No. 3, 9-6-52 - 1½ Hour Halliburton Drill Stem Test 7875'-7950' with 5/8" choke at 7841' - Used 2 packers at 7867' and 7875' - Bombs at 7847' and 7948' - Tool opened 2:15 PM 9-6-52 - Gas to surface 9 minutes, 24 hour rate 12,800 cu.ft. - No fluid - Decrease and very weak blow of air 30 minutes, and dead in 1 hour - Recovered 3530' fluid, 3000' oil and gas cut mud, cut 40% oil, 530' salt water, 100' white sand - Hydrostatic Pressure 3876# - Flowing Pressure initial 780# final 2140# - No BHP.

No. 4, 9-11-52 - 1 Hour Halliburton Drill Stem Test 8175-8220' with 5/8" choke at 8194' - Used 2 packers at 8167' and 8175' - Bombs at 8148' and 8218' - Tool opened 9:45 AM 9-11-52 - No water blanket - Medium blow of air 30 minutes and bubble of air remainder of test - Recovered 55' drilling mud, no shows - Hydrostatic Pressure 4150# - Flowing Pressure 0# - 15 minute BHP 0#.

OIL CONSERVATION	
HOBBS DISTRICT	
No. Copies Received	
DISTRIBUTION	
Chief	✓
Assistant	✓
State Land	✓
Transporter	✓
U. S. G. S.	
File	

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved and an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.



CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

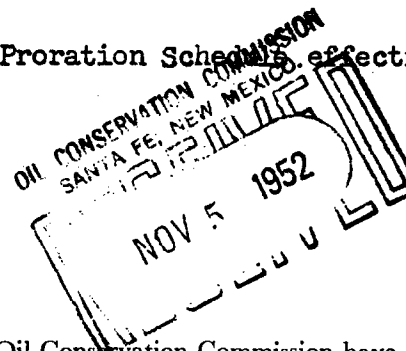
Company or Operator Gulf Oil Corporation Lease Harry Leonard "E"
Address Box 2167, Hobbs, New Mexico Fort Worth, Texas
(Local or Field Office) (Principal Place of Business)
Unit H, Well(s) No. 5, Sec. 16, T. 21-S, R. 37-E, Pool Hare - Undesignated
County Lea Kind of Lease: _____ State _____
If Oil well Location of Tanks On lease
Authorized Transporter Magnolia Pipe Line Company Address of Transporter
Midland, Texas Dallas, Texas
(Local or Field Office) (Principal Place of Business)
Per cent of Oil or Natural Gas to be Transported 100% Other Transporters authorized to transport Oil or Natural Gas
from this unit are None

REASON FOR FILING: (Please check proper box)

NEW WELL ☒ CHANGE IN OWNERSHIP ☐
CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☐

REMARKS:

Request that this well be placed in the Proration Schedule effective
October 27, 1952.



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 31st day of October, 1952

Approved OCT 31 1952, 19____

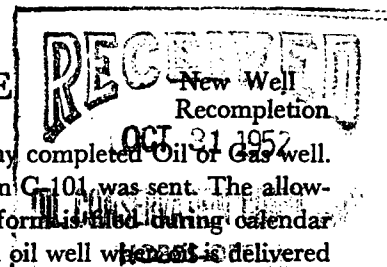
Gulf Oil Corporation

OIL CONSERVATION COMMISSION
By R. S. Blum
Title Engineer District 1

By Chas Taylor
Title Area Prod. Supt.

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE



This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well where oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico
(Place)

October 31, 1952
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Gulf Oil Corporation Harry Leonard "E", Well No. 5, in SE 1/4 NE 1/4,
(Company or Operator) (Lease)
H, Sec. 16, T. 21-S, R. 37-E, NMPM, Hare - Undesignated Pool
(Unit)
Lea County. Date Spudded 6-22-52, Date Completed 10-27-52

Please indicate location:

Elevation 3493' Total Depth 8220', P.B. 7930'

Top oil/gas pay 7865' Top of Prod. Form 7855'

Casing Perforations: 7865' - 7920' or

Depth to Casing shoe of Prod. String 7999'

Natural Prod. Test Pumped 19 bbls. oil in 24 hours BOPD

based on bbls. Oil in Mins.

Test after acid or shot BOPD

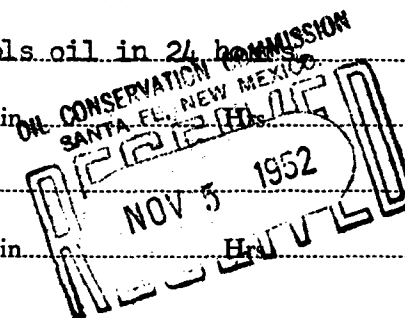
Based on bbls. Oil in Mins.

Gas Well Potential

Size choke in inches

Date first oil run to tanks or gas to Transmission system: October 27, 1952

Transporter taking Oil or Gas: Magnolia Pipe Line Company



Casing and Cementing Record

Size	Feet	Sax
12-3/4"	251'	325
8-5/8"	2786'	708
5-1/2"	7988'	131

Remarks: Request that this well be placed in the Proration Schedule effective October 27, 1952. This drilling unit contains 40 acres

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved OCT 31 1952, 19

Gulf Oil Corporation
(Company or Operator)

OIL CONSERVATION COMMISSION

By: P. S. Flynn

By: Chas. Taylor
(Signature)

Title: Area Prod. Supt.
Send Communications regarding well to:

Title: District I

Name: Gulf Oil Corporation

Address: Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

OFFICE

RECEIVED

SEP. 24 1952

OIL CONSERVATION COMMISSION

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	XX	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

September 22, 1952

(Date)

Hobbs, New Mexico

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation

(Company or Operator)

Harry Leonard "E"

(Lease)

Fran Drilling Company

(Contractor)

Well No. 5 in the SE 1/4 NE 1/4 of Sec. 16

T. 21-S, R. 37-E, NMPM, Hare Undesignated Pool, Lea County.

The Dates of this work were as follows: September 14-17, 1952

Notice of intention to do the work ~~(was)~~ (was not) submitted on Form C-102 on _____, 19____.

(Cross out interest in well within Commission Santa Fe, New Mexico.)

and approval of the proposed plan ~~(was)~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Ran 272 joints 7988.05' of 5 1/2" OD 8 RT 15.5 & 20# SS casing. Set and cemented at 7999' w/131 sacks Portland Trinity bulk cement. Plug at 7923'. Maximum pressure 1200#. Temperature survey found top of cement 7540'.

After waiting over 30 hours drilled out cement from 7923' to 7930'. Tested 5 1/2" casing w/1100# pressure for 30 minutes. There was no drop in pressure.

After approval of Mr. Yarbrough, State Oil and Gas Inspector, preparations were made to complete well.

Witnessed by R. S. Runyon (Name) Gulf Oil Corporation (Company) Drilling Foreman (Title)

Approved: OIL CONSERVATION COMMISSION

Roy Yarbrough
(Name)

Oil & Gas Inspector

(Title)

SEP 24 1952

(Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name *Charles E. ...*

Position Area Prod. Supt.

Representing Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

ORIGINAL

MISCELLANEOUS REPORTS ON WELLS

RECEIVED

SEP 24 1952

OIL CONSERVATION COMMISSION

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other) PERFORATING	XX

September 22, 1952
(Date)Hobbs, New Mexico
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation

(Company or Operator)

Harry Leonard "E"

(Lease)

Fran Drilling Company

(Contractor)

Well No. 5 in the SE 1/4 NE 1/4 of Sec. 16

T. 21-S., R. 37-E, NMPM, Hare Undesignated Pool, Lea County.

The Dates of this work were as follows: September 17, 1952

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on _____, 19____,
(Cross out incorrect words)and approval of the proposed plan ~~was~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Perforated 5 1/2" casing from 7920' to 7865' with 4, 1/2" jet holes
per foot by Walex.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO.
RECEIVED
SEP 29 1952

Witnessed by: R. S. Runyon Gulf Oil Corporation Drilling Foreman
(Name) (Company) (Title)

Approved: OIL CONSERVATION COMMISSION

Ray Yarbrough
(Name)

Oil & Gas Inspector

Oil & Gas Inspector

SEP 24 1952

(Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name: *Edna Taylor*

Position: Area Prod. Supt.

Representing: Gulf Oil Corporation

Address: Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

OIL CONSERVATION COMMISSION
HOBBS OFFICE

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	8-5/8"	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

July 7, 1952
(Date)Hobbs, New Mexico
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation
(Company or Operator)Harry Leonard "E"
(Lease)Fran Drilling Company
(Contractor)

Well No. 5 in the SE 1/4 NE 1/4 of Sec. 16

T. 21-S., R. 37-E., NMPM., Hare - Undesignated Pool, Lea County.

The Dates of this work were as follows: July 5, 1952

Notice of intention to do the work (was) ~~not~~ submitted on Form C-102 on July 2, 1952, 19____,
(Cross out incorrect words)

and approval of the proposed plan (was) ~~not~~ obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After waiting over 30 hours tested perforations w/1500# pressure for 30 minutes. There was no drop in pressure. Drilled cement and plug 3:00 PM July 5, 1952.

After approval of Mr. Yarbrough, State Oil and Gas Inspector, preparations were made to drill ahead.

Witnessed by R. A. Spiers
(Name)Gulf Oil Corporation
(Company)Drilling Foreman
(Title)

Approved:

OIL CONSERVATION COMMISSION

Ray Yarbrough
(Name)

Oil & Gas Inspector

(Title)

JUL 9 1952
(Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name C. D. Borland

Position Asst. Area Prod. Supt.

Representing Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED

JUL 9 1952

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy must be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		Test Casing Shut-off NOTICE OF INTENTION (OTHER)	8-5/8"	NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICOHobbs, New Mexico
(Place)July 2, 1952
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Harry Leonard "E"

Gulf Oil Corporation

(Company or Operator)

Well No. 5 in H

(Unit)

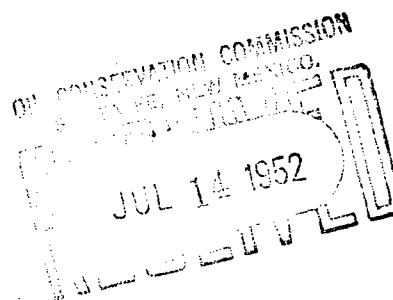
SE 1/4 NE 1/4 of Sec. 16, T. 21-S., R. 37-E., NMPM., Hare - Undesignated Pool

(40-acre Subdivision)

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

SEE ATTACHED SHEET

Approved JUL 9 1952, 19
Except as follows:Approved
OIL CONSERVATION COMMISSIONBy Roy Quinteros
Title Oil & Gas Inspector

Gulf Oil Corporation

Company or Operator

By C. D. Borland

Position Asst. Area Prod. Supt.

Send Communications regarding well to:

Name Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico

Harry Leonard "E" #5

RECEIVED

JUL 9 1952

On June 28, 1952 ran 87 joints and 1 piece 278' OD 32# J-55 8 Rnd Thd. SS casing w/ST&C. Cameron float shoe on bottom and Cameron float collar at 2719'. Three Weatherford centralizers at 2793', 2748' and 2687'. Set at 2799'. Pumped 708 sacks Longhorn 4% gel bulk cement and casing plugged. Unable to pump. Unable to clean cement out of casing. Set slips and cut pipe off. Drilled cement float and shoe, completed 6:00 AM June 29, 1952. Waited 6 hours and ran HOWCO temperature survey. Found top of cement at 2290' outside 8-5/8" casing. Completed 5:00 PM 6-29-52. Spotted 35 sacks regular cement thru 2-3/8" tubing from 2491' to 2366', displaced w/9 bbls. water. Pulled up to 2100' & circulated Job completed at 11:00 PM 30th. Found top of cement solid after 10 hours. Tested w/1000# - OK. Perforated 8-5/8" casing at 2240' w/two 7/16" bullet holes. Broke circulation w/600# pressure. Circulated free. Ran HOWCO D.M. cement retainer on 2-3/8" tubing. set at 2180'. Recemented 8-5/8" casing thru perforations at 2240' w/900 sacks DT 6% gel cement and 100 sacks Neat on bottom. Displaced tubing w/8 bbls water. Maximum pressure 800#. Circulated 140 sacks cement. Job completed at 4:30 PM July 1, 1952.

Drilled HOWCO D.M. Retainer 2180'- 2182' and cement from 2182' to 2250', cleaned out to 2366'. Tested casing w/1600#, pressure dropped to 700# in 30 minutes w/rams closed on 4 1/2" DP. Ran HOWCO retractable retainer on 4 1/2" DP and set at 2250'. Tested casing below perforations at 2240' w/2000# OK. Set same at 2230'. Pumped thru perforations at 1600#. Pumped 10 bbls water 2 bbls Permin w/2000# pressure. Ran Baker modle K cement retainer on 2-3/8" tubing set at 2206' and squeezed perforations w/100 sacks regular Trinity cement. Displaced w/8 bbls water. Maximum pressure 1600#. Backed off retainer and pulled tubing. Completed 8:00 PM 3 July 52.

Propose to test casing shut-off 2:00 AM July 5, 1952

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS 1952

Submit this report in triplicate to the Oil Conservation Commission District Office after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, repairing well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	12-3/4"	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

June 26, 1952

Hobbs, New Mexico

Date

Place

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation Harry Leonard "E" Well No. 5 in the
 Company or Operator Lease
 SE NE of Sec. 16, T. 21-S, R. 37-E, N. M. P. M.,
 Hare - Undesignated Pool Lea County.

The dates of this work were as follows: June 24, 1952

Notice of intention to do the work was ~~crossed out~~ submitted on Form C-102 on June 25, 1952, 19____,
 and approval of the proposed plan was ~~approved~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After waiting over 24 hours tested 12-3/4" casing w/1000# pressure for 30 minutes. There was no drop in pressure. Drilled cement plug at 250'. Tested cement w/400# pressure for 30 minutes. There was no drop in pressure. Job complete 4:30 PM 6-24-52.

After approval of Mr. Yarbrough, State Oil and Gas Inspector, preparations were made to drill ahead.

Witnessed by W. G. Cagle Gulf Oil Corporation Drilling Foreman
 Name Company Title

APPROVED:
 OIL CONSERVATION COMMISSION

W. G. Yarbrough
 State Oil and Gas Inspector
 Name
 Title
 Date

I hereby swear or affirm that the information given above is true and correct.

Name C. D. Borland
 Position Asst. Area Prod. Supt.
 Representing Gulf Oil Corporation
 Company or Operator
 Address Box 2167, Hobbs, New Mexico

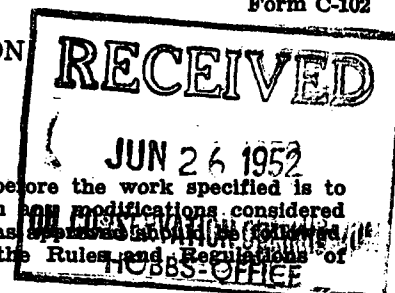
ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved shall be followed and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.



Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	12-3/4"	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico
PlaceJune 25, 1952
DateOIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the

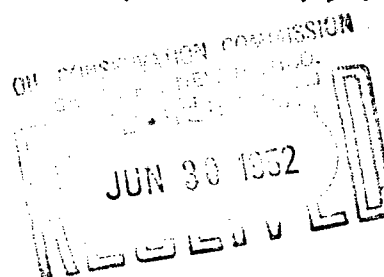
Gulf Oil Corporation Harry Leonard "E" Well No. 5 in SE NE
Company or Operator Lease
of Sec. 16, T. 21-S, R. 37-E, N. M. P. M. Hare - Undesignated Field.
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

On June 23, 1952 ran 7 joints 251.35' of 12-3/4" 50# 8 V. Thd. SS casing w/Larkin Guide shoe. Set and cemented at 268' w/325 sacks Neat Longhorn cement. Plug at 250'. Maximum pressure 200#. Job completed at 4:00 PM June 23, 1952. Cement Circulated.

Propose to drill plug and test casing shut-off 4:00 PM 6-24-52.



Approved _____, 19____
except at follows:

OIL CONSERVATION COMMISSION,
By Roy Yankovsky
Title Oil & Gas Inspector

Gulf Oil Corporation
Company or Operator
By C. D. Borland
Position Asst Area Prod. Supt.
Send communications regarding well to
Name Gulf Oil Corporation
Address Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

RECEIVED

JUN 25 1952

Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS	<input checked="" type="checkbox"/>	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

June 24, 1952

Date

Hobbs, New Mexico

Place

Following is a report on the work done and the results obtained under the heading noted above at the

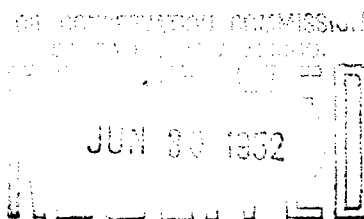
Gulf Oil Corporation Harry Leonard "E" Well No. 5 In the
Company or Operator Lease
 SE NE of Sec. 16, T. 21-S, R. 37-E, N. M. P. M.,
 Hare - Undesignated Pool Lea County.

The dates of this work were as follows: June 22, 1952

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on _____, 19____,
 and approval of the proposed plan ~~was~~ (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Fran Drilling Company moved in and spudded 17½" surface
 hole at 9:00 PM June 22, 1952.



Witnessed by W. G. Cagle Gulf Oil Corporation Drilling Foreman
Name Company Title

APPROVED:
 OIL CONSERVATION COMMISSION

R. S. Blynn
Name

Engineer

JUN 25 1952

19

I hereby swear or affirm that the information given above is true and correct.

Name C. O. Borland

Position Asst. Area Prod. Supt.

Representing Gulf Oil Corporation
Company or Operator

Address Box 2167, Hobbs, New Mexico

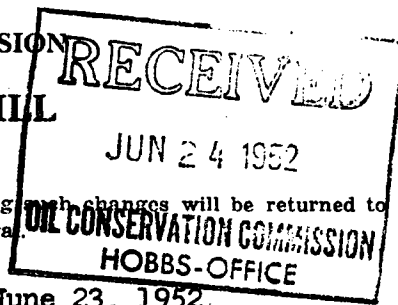
ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION

NOTICE OF INTENTION TO DRILL

See Rules 101 and 1104.

If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval.



Hobbs, New Mexico

Place

June 23, 1952

Date

Notice hereby is given that it is our intention to commence the drilling of a well to be known as

Gulf Oil Corporation

Harry Leonard "E"

well No. 5

in SE NE

Company or Operator

Lease

of Sec. 16, T. 21-S, R. 37E, N. M., P. M. Here (Undesignated) Lea County.

N

The well is 2310 feet from (N.) (X) line and 330 feet from

(E.) (X) line of the above section.

(Give location from section lines. Cross out wrong directions.)

If state land the oil and gas lease is No. 27179 Assignment No.

If patented land the owner is

Address

If government land the permittee is

Address

The lessee is Gulf Oil Corporation - Fort Worth Production Div.

Address Box 1290, Fort Worth, Texas

We propose to drill well with drilling equipment as follows:

Rotary Tools - Contractor - Fran Drilling Company

The status of a bond for this well in conformance with Rule 101 of the General Rules and Regulations of the Commission is as follows:

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
17-1/4"	12-3/4"	50#	New	250'	Cemented	300
11"	8-5/8"	28#	New	2800'	Cemented	900
7-7/8"	5 1/2"	17#	New	8000'	Cemented	950

If changes in the above plans become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 7800 feet.

Additional information:

Approved JUN 25 1952, 19

except as follows:

OIL CONSERVATION COMMISSION,
By Roy Yankovich
Title Chief & Gas Inspector

Gulf Oil Corporation
Company or Operator

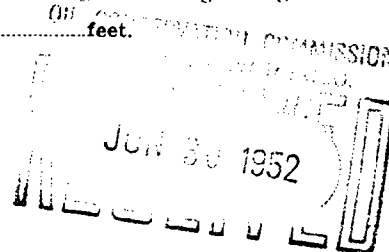
By C. D. Boland

Position Asst. Area Prod. Supt.

Send communications regarding well to:

Name Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico



SECTION PLAT

GULF FW 836

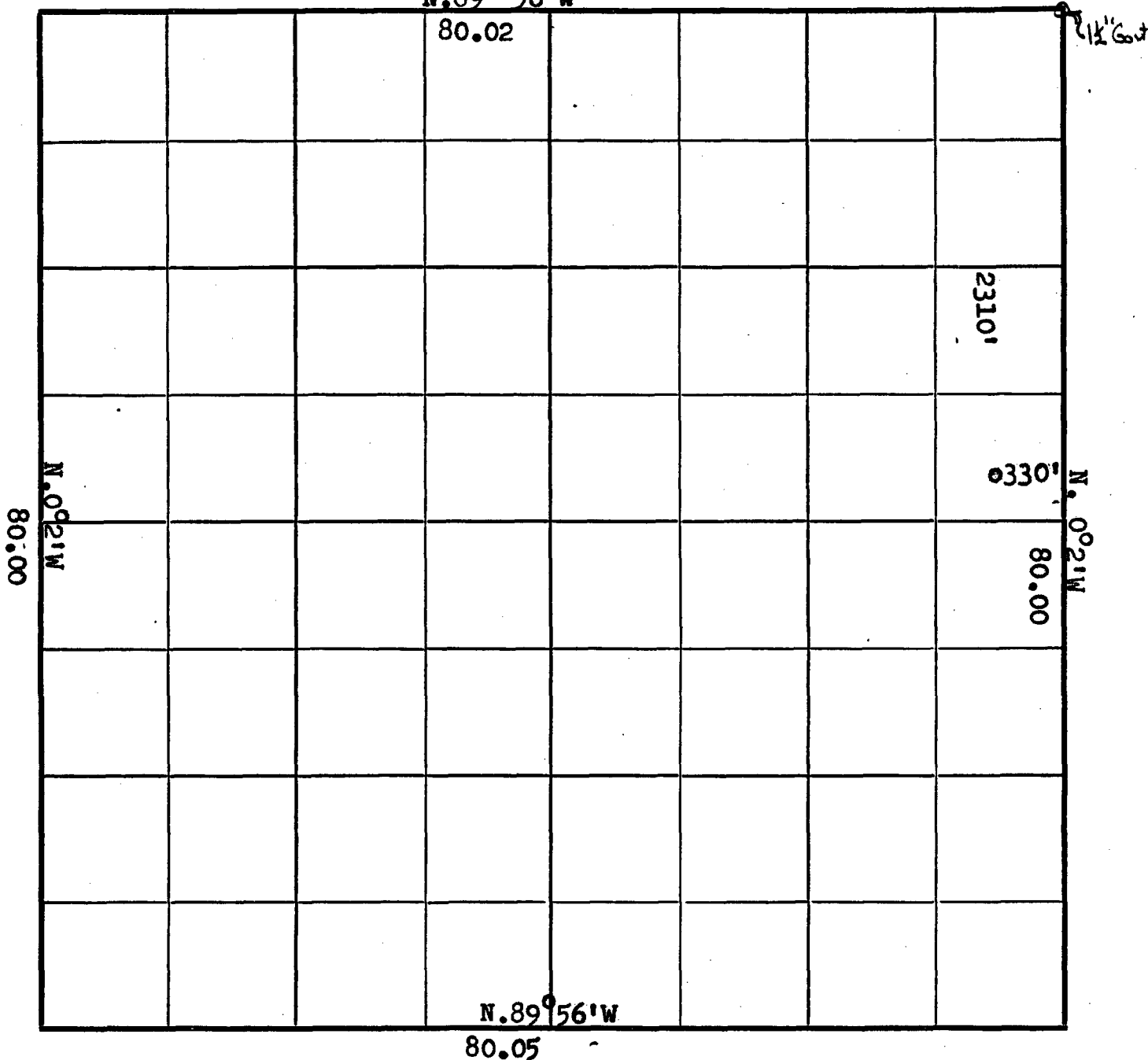
SCALE 1 IN. = 800 FT.

This Plat exhibits the exact location of Gulf Oil Corporation's No. 5 McC
Harry Leonard "E" in Sec. 16 Twnsp T-21-S Range R-37-E

SECTION 16

TOWNSHIP T-21-S
N. 89° 56' W

RANGE R-37-E



This is to certify that I am a Registered Land Surveyor, that the above plat was prepared under my direction and that the same is true and correct to the best of my knowledge and belief.

J. A. Teague
 J. A. Teague

COUNTY LEA		FIELD Wildcat		OWWO	
STATE NM		MN 06624			
OPR	GULF OIL CORP.				MAP
5 Leonard, Harry (NCT-E)					
Sec 16, T-21-S, R-37-E					
2310' FNL, 330' FEL of Sec.					
Re-Spd 9-2-69					
Re-Cmp 9-11-69		CLASS		EL	
		FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING					
12 3/4" at 268' w/325 sx					
8 5/8" at 2799' w/1100 sx					
5 1/2" at 7999' w/131 sx					
LOGS EL GR RA IND HC A					
		TD 8220'; PBD 7375'			
IP (Montoya) Perfs 7295-7333' P 226 BOPD + 6 BW. Pot based on 24 hr test. GOR NR; Grav NR.					

Distribution limited and publication prohibited by subscribers' agreement.
Reproduction rights reserved by Williams & Lee Scouting Service, Inc.

CONT.	PROP. DEPTH	7450'	TYPE	WO
DATE				

F.R. 9-2-69
PD 7450' WO (Montoya)
(Orig. comp 7-3-52 thru Perfs 7865-7920', OTD 8220', P&A 1-6-53)

9-4-69 TD 8220'; CO @ 2576'

9-10-69 TD 8220'; Drlg. Cmt @ 6224'
Ran 5 1/2" casing to tie-in to old casing @ 5351'

9-18-69 TD 8220'; PBD 7375'; Tstg
Perf 7295-97', 7317-19', 7331-33' w/4 SPF
Acid (7295-7333') 500 gals
Flwd 2 BO in 2 hrs thru 20/64" chk (7295-7333')
Acid (7295-7333') 2000 gals
Swbd 60 BO in 8 hrs (7295-7333')

9-22-69 TD 8220'; PBD 7375'; SD

LEA Wildcat NM Sec 16, T21S, R37E
GULF OIL CORP. 5 Leonard, Harry (NCT-E) Page #2

9-30-69 TD 8220'; PBD 7375'; TO Pmp
Ppd 63 BO + 3 BW in 7 hrs.

10-14-69 TD 8220'; PBD 7375'; COMPLETE

10-16-69 COMPLETION REPORTED

RECEIVED BY GULF
AS 255W 183S TO 14E 11
AS 201W 181S TO 14E 11
AS 181W 181S TO 14E 11

AS 255W 183S TO 14E 11
AS 201W 181S TO 14E 11
AS 181W 181S TO 14E 11

RECEIVED BY GULF
AS 255W 183S TO 14E 11
AS 201W 181S TO 14E 11
AS 181W 181S TO 14E 11

CMD : ONGARD 01/20/00 13:39:45
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPNM

API Well No : 30 25 6623 Eff Date : 08-01-1995 WC Status : P
Pool Idn : 60240 TUBB OIL AND GAS (OIL)
OGRID Idn : 4323 CHEVRON U S A INC
Prop Idn : 2669 HARRY LEONARD NCT E

Well No : 004
GL Elevation: 3475

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: A	16	21S	37E	FTG 660 F N	FTG 660 F E	A

Lot Identifier:

Dedicated Acre:

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 01/20/00 13:39:49
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPNM

API Well No : 30 25 6623 Eff Date : 02-15-1994 WC Status : A
Pool Idn : 86440 TUBB OIL & GAS (PRO GAS)
OGRID Idn : 4323 CHEVRON U S A INC
Prop Idn : 2669 HARRY LEONARD NCT E

Well No : 004
GL Elevation: 3475

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : A	16	21S	37E	FTG	660 F N	FTG 660 F E	A

Lot Identifier:
Dedicated Acre: 160.00
Lease Type : S
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 01/20/00 13:40:38
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPNM

API Well No : 30 25 6624 Eff Date : 03-30-1998 WC Status : T
Pool Idn : 19190 DRINKARD
OGRID Idn : 4323 CHEVRON U S A INC
Prop Idn : 2669 HARRY LEONARD NCT E

Well No : 005
GL Elevation: 3481

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : H	16	21S	37E	FTG 2310	F N FTG 330	F E	A

Lot Identifier:
Dedicated Acre: 40.00
Lease Type : S
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION01/20/00 13:39:02
OGOMES -TPNM
PAGE NO: 1

Sec : 16 Twp : 21S Rng : 37E Section Type : NORMAL

D 40.00 CS B01557 0001 ALTURA ENERGY LTD 12/29/38 A	C 40.00 CS B01557 0001 ALTURA ENERGY LTD 12/29/38 A	B 40.00 CS B01732 0001 CHEVRON U S A INC 02/28/43 A	A 40.00 CS B01732 0001 CHEVRON U S A INC 02/28/43 A A
E 40.00 CS B01557 0001 ALTURA ENERGY LTD 12/29/38 A	F 40.00 CS B01557 0001 ALTURA ENERGY LTD 12/29/38 A	G 40.00 CS B01732 0001 CHEVRON U S A INC 02/28/43 A	H 40.00 CS B01732 0001 CHEVRON U S A INC 02/28/43 A A

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION01/20/00 13:39:11
OGOMES -TPNM
PAGE NO: 2

Sec : 16 Twp : 21S Rng : 37E Section Type : NORMAL

L 40.00 CS B00085 0015 COLLINS & WARE C 07/28/38 A A	K 40.00 CS B00085 0015 COLLINS & WARE C 07/28/38 A	J 40.00 CS B00085 0015 COLLINS & WARE C 07/28/38 A	I 40.00 CS B00085 0015 COLLINS & WARE C 07/28/38 A A
M 40.00 CS B08105 0003 JOHN H HENDRIX CO C 04/10/49 A	N 40.00 CS B08105 0003 JOHN H HENDRIX CO C 04/10/49 A	O 40.00 CS B08105 0003 JOHN H HENDRIX CO C 04/10/49 A A	P 40.00 CS B08105 0003 JOHN H HENDRIX CO C 04/10/49 A A

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12