

**Shell Western E&P Inc.**

A Subsidiary of Shell Oil Company



P.O. Box 576  
Houston, TX 77001

May 26, 1989

Mr. David Catanach  
State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87504-2088

Dear Mr. Catanach:

SUBJECT: AREA OF REVIEW WELLS  
SHELL-NORTHEAST DRINKARD UNIT  
NORTH EUNICE BLINEBRY-TUBB-DRINKARD OIL & GAS POOL  
WELL NO. 322-S  
SECTION 2, T21S, R37E  
LEA COUNTY, NEW MEXICO

Further to our application for injection for the subject well dated April 6, 1989, and responsive to your letter dated May 15, 1989, please find attached the requested tabulation of area of review wells. Should any well lack the necessary construction data required as evidence in Case No. 9232, or if additional information is required, please contact Marcus Winder at (713) 870-3797.

Yours very truly,

A handwritten signature in cursive script, appearing to read "J. H. Smitherman".

J. H. Smitherman  
Regulatory Supervisor  
Western Division

JMW:SJK

Attachment

cc: State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
P. O. Box 1980  
Hobbs, NM 88241-1980

RECEIVED

MAY 30 1989  
OIL CONSERVATION DIV.  
SANTA FE

# NORTHEAST DRINKARD UNIT NO. 322W

Lea County, New Mexico

## Wells Within <sup>1/2</sup>~~1/4~~ Mile Radius

<u>Operator*</u>	<u>Well Name</u>	<u>Unit No.</u>	<u>Sec.</u>	<u>Location</u>
✓ Meridian	State 2 #1	214	2	3300 FSL & 660 FWL
✓ Meridian	State 2 #3	215	2	3175 FSL & 660 FWL
✓ SWEPI	State 2 #15	216	2	3546 FNL & 1650 FWL
✓ SWEPI	State 2 #16	218	2	3546 FNL & 1700 FWL
✓ SWEPI	State 2 #18	219	2	3550 FSL & 2300 FWL
✓ Chevron <sup>220</sup>	Hry Leonard #6	221	2	2983 FSL & 2317 FEL
✓ Chevron	Hry Leonard #11	223	2	2970 FSL & 990 FEL
✓ Conoco	Hawk B-3 #11	308	3	1980 FSL & 660 FEL
✓ Conoco	Hawk B-3 #7 & 2	309	3	1830 FSL & 660 FEL
✓ SWEPI	State 2 #1	311	2	1980 FSL & 660 FWL
✓ SWEPI <sup>ok</sup>	State 2 #21	312	2	2205 FSL & 988 FWL
✓ SWEPI	State 2 #4	313	2	710 FSL & 610 FWL
✓ SWEPI	State 2 #22	314	2	990 FSL & 990 FWL
✓ SWEPI	State 2 #9	315	2	1980 FSL & 1980 FWL
✓ SWEPI <sup>ok</sup>	State 2 #19	316	2	2310 FSL & 2307 FWL
✓ SWEPI <sup>ok</sup>	State 2 #20	317	2	990 FSL & 2300 FWL
✓ Chevron	Hry Leonard #18	318	2	1650 FSL & 1980 FEL
✓ Chevron	Hry Leonard #9	319	2	1650 FSL & 990 FEL
✓ Chevron	Hry Leonard #19	320	2	660 FSL & 1780 FEL
✓ Conoco	Hawk B-3 #3	---	3	2970 FSL & 510 FEL
✓ Conoco	Hawk B-3 #4	---	3	2130 FSL & 660 FEL
✓ Meridian	State 2 #4	---	2	2970 FSL & 990 FWL
✓ SWEPI	State 2 #3	---	2	660 FSL & 660 FWL
✓ SWEPI	State 2 #5	---	2	1880 FSL & 560 FWL
✓ SWEPI	State 2 #7	---	2	660 FSL & 1980 FWL
✓ SWEPI	State 2 #10	---	2	2310 FSL & 988 FWL
✓ SWEPI	State 2 #12	---	2	2250 FSL & 2140 FWL
✓ SWEPI	State 2 #13	---	2	2970 FSL & 1650 FWL
✓ SWEPI	State 2 #14	---	2	3630 FSL & 1770 FWL
✓ Chevron	Hry Leonard #1 & 6	---	2	1980 FSL & 1980 FEL
✓ Chevron	Hry Leonard #2	---	2	660 FSL & 1980 FEL
✓ Chevron <sup>ok</sup>	Hry Leonard #4	---	2	860 FSL & 1980 FEL
✓ Chevron <sup>ok</sup>	Hry Leonard #7	---	2	2220 FNL & 2307 FEL
✓ Chevron	Hry Leonard #15	---	2	3312 FSL & 2317 FEL

\*: In the case of Unit wellbores, the pre-Unitization operator is shown.

VZS, 5/24/89

*Wells checked  
w/ data printed  
in Case File*

SA TAFE	
FI 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 C-110  
Effective 1-1-65

Operator <b>Gulf Oil Corporation</b>		Casinghead Gas must not be Flared after <u>10/15/74</u> unless an exception to R-4070 is obtained.	
Address <b>Box 670, Hobbs, New Mexico 88240</b>			
Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:	Completed in Tubb Oil	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>		
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>		
	Dry Gas <input type="checkbox"/>		
	Condensate <input type="checkbox"/>		

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 <b>Harry Leonard (NCT-F)</b>	Well No. <b>7</b>	Pool Name, including Formation <b>Tubb Oil</b>	Kind of Lease State, Federal or Fee <b>State</b>	Lease No. <b>B-1732</b>
Location Unit Letter <b>J</b> ; <b>4303'</b> Feet From The <b>South</b> Line and <b>2317'</b> Feet From The <b>East</b> Line of Section <b>2</b> Township <b>21-S</b> Range <b>37-E</b> , NMFM, <b>Lea</b> 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)	
<b>Western Crude Oil Co., Inc.</b>	<b>Box 1142, Midland, Texas 79701</b>	
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)	
<b>None - Waiting on commingling permit</b>		
If well produces oil or liquids, give location of tanks.	Unit <b>J</b>	Sec. <b>2</b>
	Twp. <b>21-S</b>	Rge. <b>37-E</b>
	Is gas actually connected? <b>No</b>	
	When	

If this production is commingled with that from any other lease or pool, give commingling order number: **No**

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'tv.	Diff. Res'tv.
Date Spudded <b>xxxxx Recompleted</b> <b>9-15-74</b>	Date Compl. Ready to Prod. <b>9-15-74</b>	Total Depth <b>8700'</b>	P.B.T.D. <b>6609'</b>					
Elevations (DF, RKB, RT, GR, etc.) <b>3496' GL</b>	Name of Producing Formation <b>Tubb</b>	Top Casing Pay <b>6387'</b>	Tubing Depth <b>6590'</b>					
Perforations <b>6387' to 6564'</b>	Depth Casing Shoe <b>8280</b>							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
<b>17-1/2"</b>	<b>13-3/8"</b>	<b>300'</b>	<b>350 sacks (Circulated)</b>					
<b>12-1/4"</b>	<b>9-5/8"</b>	<b>2999'</b>	<b>1657 sacks (TOC at 235')</b>					
<b>8-3/4"</b>	<b>7"</b>	<b>8280'</b>	<b>700 sacks (TOC at 3750')</b>					
	<b>2-3/8"</b>	<b>6590'</b>						

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 <b>9-15-74</b>	Date of Test <b>10-2-74</b>	Producing Method (Flow, pump, gas lift, etc.) <b>Pump</b>	
Length of Test <b>24 hours</b>	Tubing Pressure <b>--</b>	Casing Pressure <b>--</b>	Choke Size <b>2"</b>
Actual Prod. During Test <b>92 barrels</b>	Oil-Bbls. <b>60</b>	Water-Bbls. <b>32 (Load water)</b>	Gas-MCF <b>--</b>

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

I. 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. Bankiat*  
(Signature)  
**Area Engineer**  
(Title)  
**October 2, 1974**  
(Date)

OIL CONSERVATION COMMISSION

APPROVED *[Signature]* OCT 2 1974  
BY *[Signature]*  
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.

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

## REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
RECOMPLETED

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 QUADRUPPLICATE 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 when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico

July 30, 1962

(Place)

(Date)

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

Gulf Oil Corporation Harry Leonard E. WFN Well No. 4 in SW 1/4 SE 1/4

(Company or Operator)

(Lease)

W Sec. 2, T. 21-S, R. 37-E, NMPM., Drinkard Pool

Unit Letter

Lea

County. Date Spudded.

Recompleted Date 7-24-62

Please indicate location:

Elevation 3487 Total Depth 7778' PSTD 6886

Top Oil/Sale Pay 6698

Name of Prod. Form. Drinkard

PRODUCING INTERVAL -

Perforations 6770-82, 6755-57', 6735-37', 6719-21', 6707-09' & 6700-6698'

Open Hole Depth 7777' Casing Shoe 6836'

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Choke Size

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 116 bbls. oil, 33 bbls water in 24 hrs, min. Choke Size 2" #10

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 500 gals 15% NEA, 8000 gals retarded acid.

Casing 0 Tubing 7400 Date first new Press. 0 Press. 3500 oil run to tanks 7-23-62

Oil Transporter Shell Pipeline Corp.

Gas Transporter Warren Petroleum Corp.

Lot 18, 860 FSL, 1980 FEL

(FOOTAGE)

Tubing, Casing and Cementing Record

Size Feet Sax

12-3/4"	259	300
8-5/8"	2989	1100
5-1/2"	7777	870
2-3/8"	6836	

Remarks: Abandoned Wantz Abo and recompleted in Drinkard Oil.

Remain flow to be submitted in Wantz Abo.

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

Approved, 19.

Gulf Oil Corporation  
(Company or Operator)

OIL CONSERVATION COMMISSION

By: [Signature]  
(Signature)

By: [Signature]

Title: Area Production Manager  
Send Communications regarding well to:

Title

Name: Gulf Oil Corporation

Address: Box 267, Hobbs, New Mexico