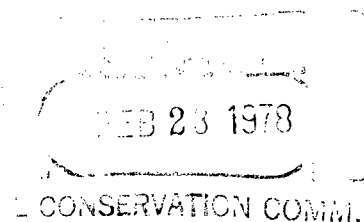


SHELL OIL COMPANY

PETROLEUM BUILDING
P.O. BOX 1509
MIDLAND, TEXAS 79701

February 24, 1978



DHC - 238
Dec - 3/20/78

Subject: Application for Downhole
Commingled for Shell State
Section 15 Well No. 1,
Unit Letter G, Located
1980' FNL & 1978' FEL
Section 15, T-21-S, R-37-E,
Lea County, New Mexico
Drinkard Field

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Drinkard
Tubb Lease

Attention Mr. J. D. Ramey, Secretary-Director

R-190 - level

Gentlemen:

Shell Oil Company respectfully requests administrative approval under the provisions of Rule 303-C to commingle within the wellbore production from the Drinkard and Tubb pools in its State Section 15 Well No. 1, located in Unit G of Section 15, T-21-S, R-37-E, Lea County, New Mexico.

The subject well has been flowing from the Tubb zone and was reclassified as an oil well in December 1977. The Drinkard zone has been unable to flow for the past seven months. We plan to install a beam pumping unit and produce both zones through a single string of 2 3/8" tubing.

Production from the Tubb and Drinkard formations has been surface commingled at the State Section 15 Battery for a number of years without any indication of fluid incompatibility. Since the crudes are commingled at the tank battery before being sold, no difference in value should result by commingling within the wellbore of the subject well.

The static BHP for the Drinkard was 500 psi, and the Tubb is estimated to be 450 psi.

A copy of this application is being sent to all offset operators. Your further handling and approval of this application will sincerely be appreciated.

Yours very truly,

G. J. Greenen
for W. T. Weller, Jr.
Operations Manager-Midland
Mid-Continent Division

JWH:DCW

Attachments

cc - Offset Operators

- New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

PBTD 6633

OFFSET OPERATORS
STATE SECTION 15 LEASE
LEA COUNTY, NEW MEXICO

CITIES SERVICE
P. O. BOX 1919
MIDLAND, TX 79702

J. R. CONE
P. O. BOX 871
LUBBOCK, TX 79408

GETTY OIL COMPANY
P. O. BOX 1231
MIDLAND, TX 79702

MARATHON OIL COMPANY
P. O. BOX 552
MIDLAND, TX 79702

MORANCO
P. O. BOX 1860
HOBBS, NM 88240

INDIVIDUAL
WELL TEST RECORD
(OIL)

WELL DATA

LEASE & WELL State - Sec 15-1

FIELD Drinkard

FORMATION Drinkard

DATE COMP. 11-1-48

PHOD METHOD flowing int.

SINGLE _____ MULTIPLE Dual

DATUM TO CHF 11'

TOTAL DEPTH 6641

PBTD 6530'

SURFACE CSG. 133/8" 32# @ 228

INTERM. CSG. 8 5/8" 32# @ 2897

OIL STRING 5 1/2" 15.5# @ 6546

LINER _____

TYPE COMP. open hole

PROD. INTERVALS 6546-6641

TYPE LIFT EQUIP. _____

ORIGINAL PRESS. _____

PRESS. DEPTH & DATE _____

PUMP DATA

TUBING SIZE 2"

PUMP SIZE _____

PUMP DEPTH _____

S.P.M. _____

STROKE LENGTH _____

LEGEND

----- BOPD, ----- BWPD,

x x x GOR, FTP,

△ 02 thru △ 99 safety to NON-

SCHEDULED DOWN TIME CODES

TREATMENT HISTORY

(date, amount, type, improvement)

5-29-45 300g 15% NEA
+ 1500g 15% NEA
in 15-100g Stages
Frac w/ 15000g LC, 15000g

OTHER INFORMATION

208 jts 2" EUE tbg hung @ 6405

SIN @ 6405

tbg perf open ended

WATER

19 24

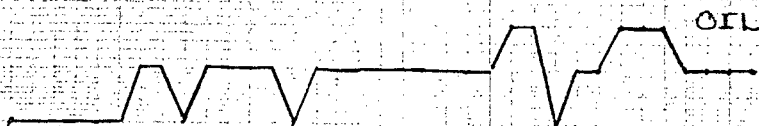
19 25

19 26

19 27

CONTROL No. 23437

State Sec. 15 No. 1

[illegible]

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-63

Operator		Pool		County		Lea									
Shell Oil Company		Drinkard (Tubb)													
Address		P. O. Box 576 Houston, Texas 77001		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐									
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			Special ☒	GAS - OIL RATIO CU.FT/BBLS.	
		U	S	T						R	WATER BBLS.	GRAV. OIL			OIL BBLS.
State Sec. 15	1	G	15	21	37	12-9-77	F	50		24	0	36.8	5	276	55,200

FEB 23 1978
 CONSERVATION COMMISSION

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Well original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

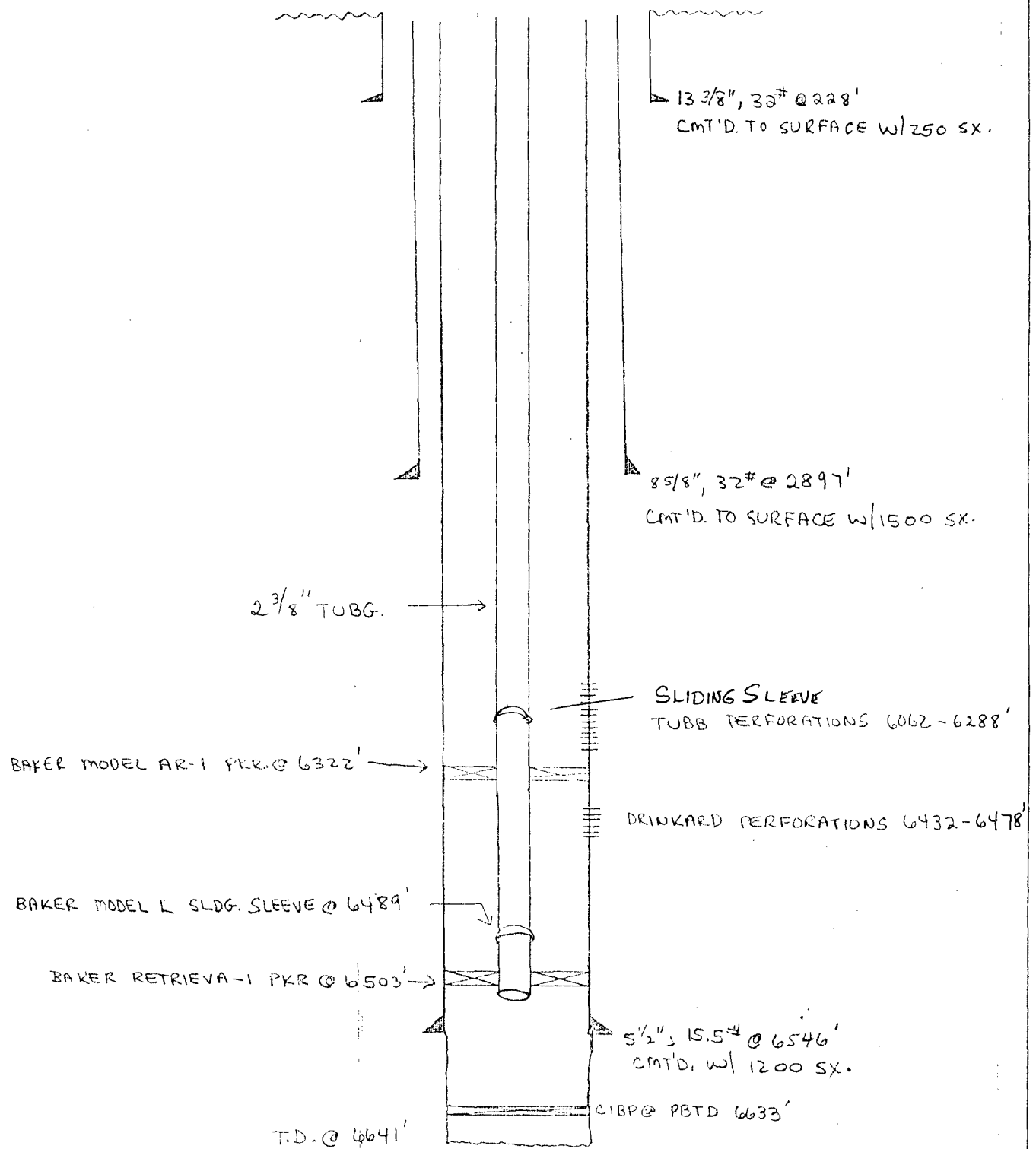
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

M. J. Adams
 (Signature)
 Supv. Oil Acctg.
 M. J. ADAMS
 (Title)
 2-14-78

SURVEYOR

[illegible]

CURRENT DOWNHOLE EQUIPMENT
SHELL-STATE SECTION 15 NO. 1
DOWNHOLE SCHEMATIC



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-11
Effective 1-1-65

APR 25 1978
CONSERVATION COMMISSION

Operator Shell Oil Company	
Address P. O. Box 576	
Reason(s) for filing (Check proper box)	
New Well ☐	Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐	Casinghead Gas ☐ Condensate ☐
Change in Ownership ☐	Other (Please explain) Reclassified from Gas to Oil

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name State Section 15	Well No. Pool Name, including Formation 1 Drinkard	Kind of Lease State, Federal or Fee State	Lease No.
Location Unit Letter G 1,980 Feet From The North Line and 1,978 Feet From The East Line of Section 15 Township 21S Range 37E, NMPL, Lea County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Shell Pipe Line Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1910 Midland, Texas 79701	
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ Getty Oil Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1185 Eunice New Mexico 88231	
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 15
	Twp. 21S	Rge. 37E
	Is gas actually connected? When	

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

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

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)

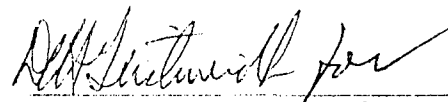
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

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

1. 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.


M.J. ADAMS
Supervisor Oil Accounting
12-20-77

OIL CONSERVATION COMMISSION

APPROVED _____, 19_____
BY _____
TITLE _____

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

If this is a request for allowable for a newly drilled or deepener 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 allow able 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 multipl; completed wells.



Getty Oil Company

P.O. Box 1231, Midland, Texas 79702 • Telephone (915) 683-6301

Audra B. Cary, District Production Manager
Central Exploration and Production Division

March 2, 1978

DHC-238

Re: Application for Downhole
Commingling of Shell-State
15 Well No. 1, Section 15,
T-21-S, R-37-E,
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. J. D. Ramey
Secretary-Director

Gentlemen:

Getty Oil Company, as offset operator, has no objection to Shell's application for administrative approval to downhole commingle the Tubb and Drinkard zones in the above captioned well.

Yours very truly,

Audra B. Cary
Audra B. Cary

ABC/bfh

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE February 28, 1978

RE: Proposed MC _____
Proposed DHC _____ X
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated _____
for the Shell Oil Co. State (Sec. 15) #1-G 15-21-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.S.

Yours very truly,

Jerry Septon