

SHELL OIL COMPANY

PETROLEUM BUILDING
P.O. BOX 1509
MIDLAND, TEXAS 79702

October 13, 1978

Subject: Application to Downhole Commingle
Shell Taylor-Glenn Well No. 2
Unit Letter I, Located 4620' FSL
and 660' FEL Section 3, T-21-S,
R-37-E, Lea County, New Mexico
Drinkard Field

State of New Mexico (3)
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

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

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 our Taylor-Glenn Well No. 2, located in Unit I of Section 3, T-21-S, R-37-E, Lea County, New Mexico.

The subject well is currently producing from the Tubb zone by beam pump at a rate of 6 BOPD + 3 BWPD + 150 MCFGPD. The Drinkard zone has been isolated by a retrievable bridge plug which was set at 6520'. The last test (July 6, 1978) on the Drinkard zone was 2 BOPD + 1 BWPD + 14 MCFGPD. Bottom hole pressure tests run in July, 1978 are as follows:

Tubb	48 Hr. SI	750 PSIG
Drinkard	Static Pressure	768 PSIG

Both zones are in a steady rate of decline.

Shell plans to remove the RBP over the Drinkard zone and produce both zones up 2 3/8" tubing by beam pump. Production should increase to approximately 25 BOPD + 7 BWPD + 400 MCFGPD. Therefore, we will be able to more efficiently and economically produce the remaining reserves in both zones.

STATE OF NEW MEXICO
ENERGY & MINERALS DEPT.

2

Production from the Drinkard and Tubb zones has been surface commingled at the Taylor-Glenn 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.

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

Yours very truly,



for

W. T. Weller, Jr.
Operations Manager-Midland
Mid-Continent Division

JWH:JAH

Attachments

cc - Offset Operators

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

OFFSET OPERATORS

TAYLOR-GLENN NO. 2
LEA COUNTY, NEW MEXICO

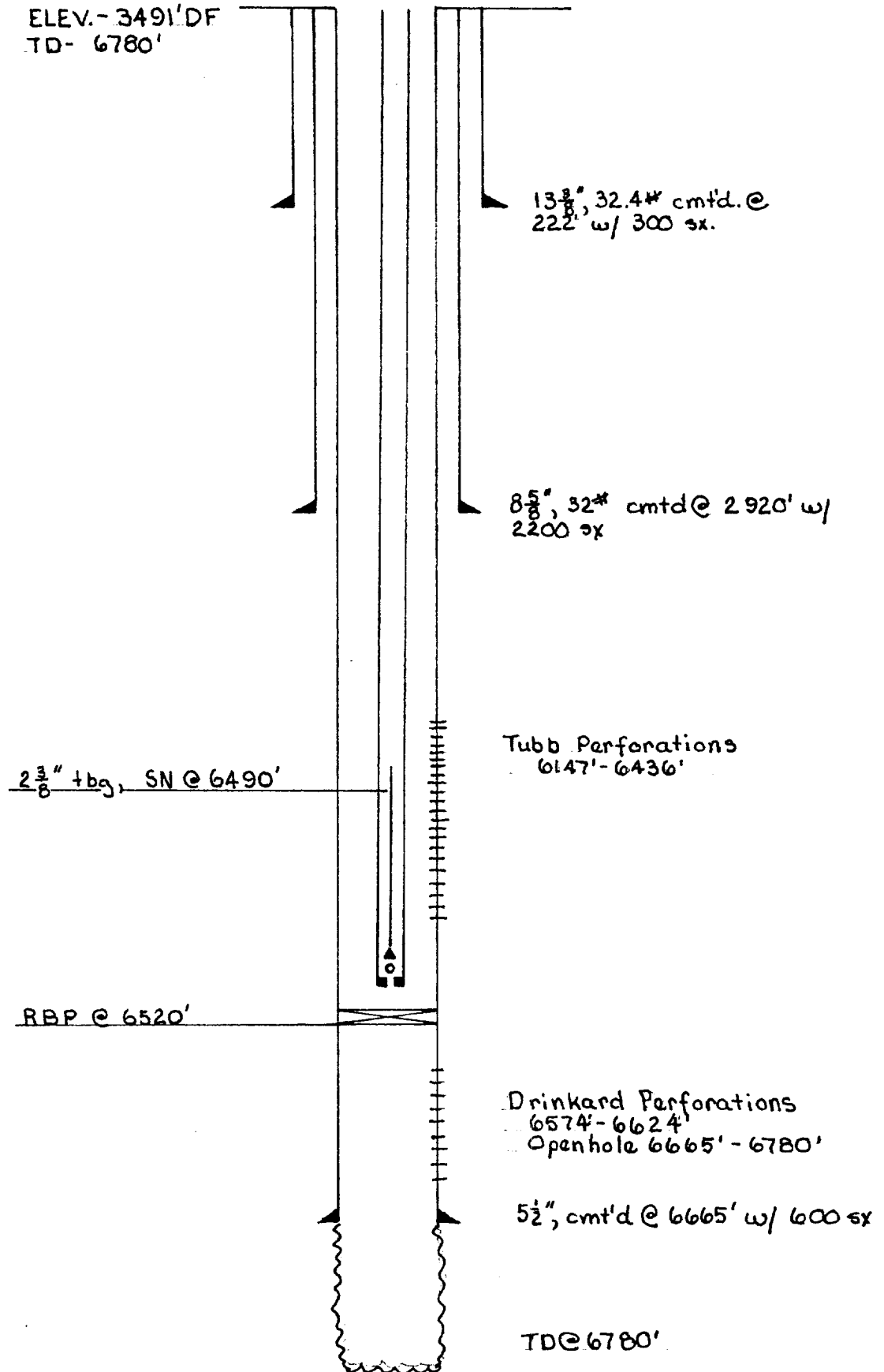
CONTINENTAL OIL COMPANY
P. O. BOX 460
HOBBS, NM 88240

M. R. ANTWEIL
P. O. BOX 2010
HOBBS, NM 88240

EXXON COMPANY-U.S.A.
P. O. BOX 1600
MIDLAND, TX 79702

AZTEC OIL & GAS CO.
P. O. BOX 337
HOBBS, NM 88240

SHELL-TAYLOR GLENN WELL NO.2 DOWNHOLE COMMINGLING APPLICATION DRINKARD & TUBB POOLS



Drunkard Field

Taylor Glenn #2

LOCATION 11620' FSL & 660' FEL

SECTION 3, T-21-S, R-37-E, (I)

Drunkard (oil) Producer

COUNTY Lea Co., New Mexico

DATUM 3491'

[DF]

G.L. ELEV.

TD 6780'

PBD

[

]

Elev 3491' DF

CASING RECORD

LOGGING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	DATE	CO.	TYPE	INTERVAL
13 3/8"	32.4#	222'	300					
8 5/8"	32#	2920'	2200					
5 1/2"	-	6665'	600					

LOG TOPS

PERFORATIONS AND/OR OPEN HOLE

ZONE	TOP	SUBSEA	DATE	ZONE	DEPTHS	DENS & SIZE
			6-26-58	Tubb	6324-72 6395-6407 6429-	4 JS PF
					36'	(268 holes)
			12-9-64	Drnk	6574-78 80, 87, 88, 92, 96,	1-3/8" JS PF
					10601, 03, 07, 09, 12, 14, 15,	(16 holes)
					21, 24	
			9-6-74	Tubb	6147, 60, 76, 88, 98, 620' 15,	1 JS PF
					44, 59, 106, 85, 93, 99	(13 holes)
				Drnk	Open hole 6665'-6780'	
					* NOT OPEN NOW	

SQUEEZE & REPAIR

GOC	DATE	DEPTH	WORK DONE
OWC			

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3-31-50	Drnk	1000g 20% LST	AT		
7-25-56	"	10,000g Retarded acid			
6-2-58	Tubb	1000g 7 1/2% MCA			
	Tubb	30,000g FLC + 1# 1/2 sand	Frac.		
		1 1/2# Adomite.			
6-25-61	Drnk	250g 10% FcA			
		750g 15% acid			
4-25-62	Tubb	1500g FcA			
12-17-64	Drnk	1500g 15% NEA			
		10,000g Lc + 1/20# 1/2 Adomite	Frac. 6574'-6615'		
		+ 1/2# 1/2 sand			

OPT

DATA AVAILABLE

DST

CORE

PVT

OTHER

REMARKS:

Drnk 9-5-74

DATE: 6-20-97

ALB

Druckard Field

Taylor Glen #2

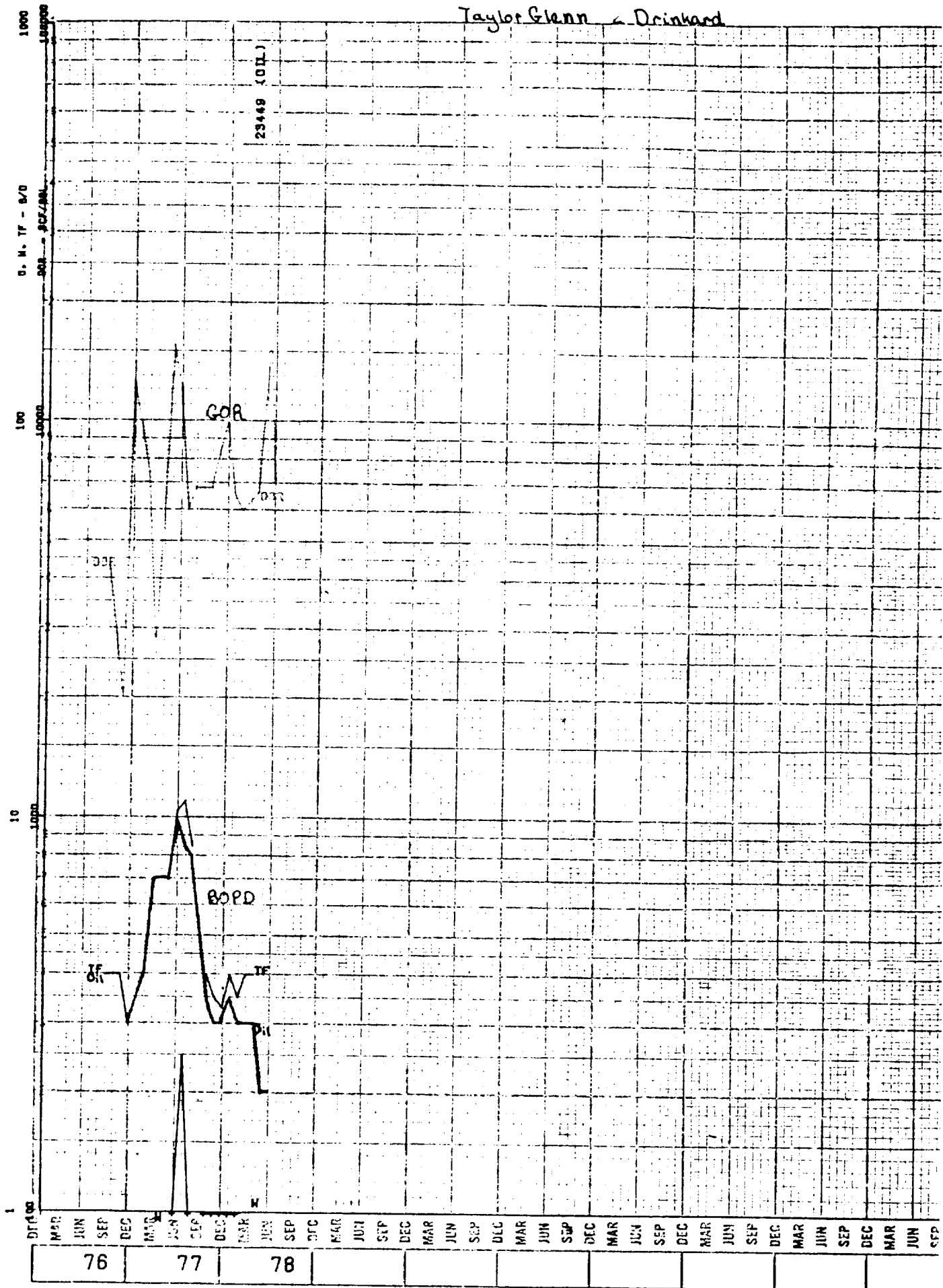
LOCATION _____ **SECTION** _____

COUNTY _____

DATUM _____ [] **G.L. ELEV.** _____ **TD** _____ **PBTD** _____ []

[illegible]

Taylor Glenn & Drinkard



[illegible]

SHELL OIL COMPANY
SUBSURFACE PRESSURE SURVEY

Company Shell O.C. Company
Lease Taylor-Glen Well No. 212
Field _____ State N.M.
Test Date 7-6-78

Producing Formation	DRINKER
Elevation (CHF, DF, KB, etc.)	()
Datum _____ subsea, or	()
Tubing Obstruction at	
Production Packer at	
Perforations	

Instrument Data

Company Running Survey	Shell O.L.C.
Element—Range & No.	8362/3600
Clock — Range & No.	1389/34R
Calibration Date	

Static Pressure Data

Test Depth	6530'	ft
Pressure at Datum (6530')	768	psig
Shut-in Time	Static	hrs
P _i at Datum		psig
Shut-in Tubing Pressure	650	psig
Shut-in Casing Pressure	N/A	psig
Top of Oil	N/A	
Top of Water	N/A	
Temperature at _____ feet	N/A	°F
Date of Last Test	none	
Pressure @ Datum, Last Test	1	psig
Shut-in Time, Last Test		

Flow Test Data

Test Date	_____
Choke Size	_____ in
Period of Stabilized Flow	_____ hrs
Stabilized Production (q)	
Oil _____	_____ bbls/day
Gas _____	_____ MCF/day
Water _____	_____ bbls/day
Flowing Tubing Pressure	_____ psig
Flowing Casing Pressure	_____ psig
Cumulative Production (Q)	
Oil _____	_____ bbls
Gas _____	_____ MCF
Water _____	_____ bbls
Effect. Prod' Life, $t=24 Q/q$	_____ hrs

Remarks:

SURVEYOR

[illegible]

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

EXPLANATION FROM GAS TO OIL
C-116
Revised 1-1-63

Operator Shell Oil Company		Pool Tubb		County Lea										
Address P.O. Box 576 Houston, Texas 77001		TYPE OF TEST - (X) ☒ TEST		SCHEDULED ☐										
LEASE NAME Taylor Glenn	WELL NO. 2	LOCATION			DATE OF TEST 7-24-78	CHOKE SIZE 32/64	TBG. PRESS. 40	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	PROD. DURING TEST				SPECIAL ☒
		U	S	T						R	WATER BBL'S.	GRAV. OIL	OIL BBL'S.	
		I	3	21 S	37 E					3	36.2	9	150	16,667

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.

Mail 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.

[Signature]
Supv. Oil Accts. (Signature)
A. Ramirez

Supv. Oil Accts.

(Title)

7-25-78

