DATA TO BE SUPPLIED THE COMMISSION ENGINEERING DEPARTMENT
FOR THE ENTERING OF A FORMAL ORDER ON DUAL COMPLETION

1. Full scale electrical log of the well with items (a), (b), (c), and (d) written thereon.

(a) Names of the two horizons involved in the dual completion.

(b) Upper limit and lower limit of each of the two horizons in which dual completion was made.

(c) Perforated interval in each horizon.

(d) Depth at which packer was set to separate the two horizons involved and the type of packer that was used.

2. Diagrammatic sketch of the mechanical installation which will be employed to produce the well from both zones.

3. Statement as to what kind of completion was effected; that is dual oil, dual gas, or dual oil-gas. If completion is dual oil-gas indicate from which horizon each product is produced,

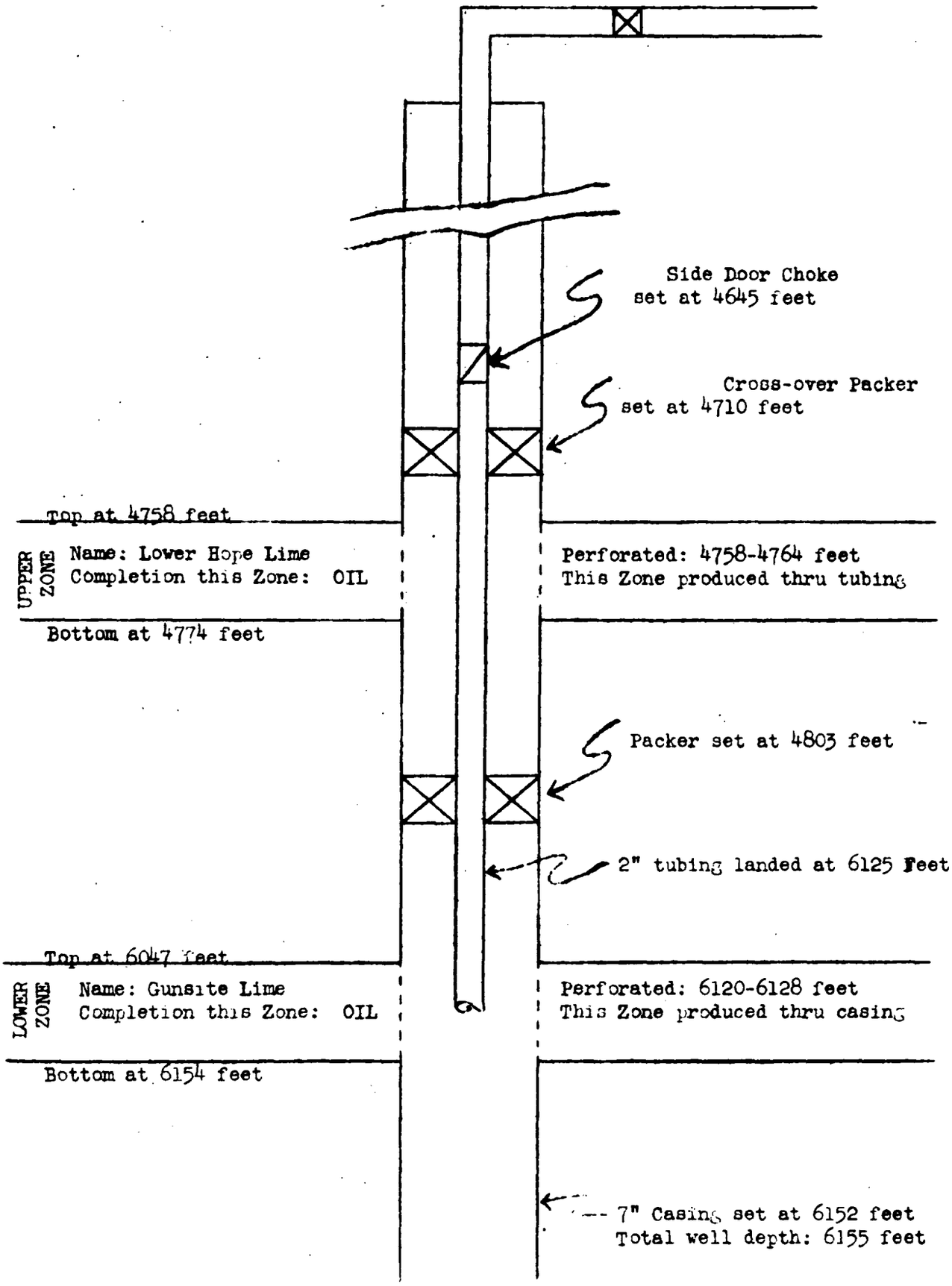
4. State which horizon is to be produced through the tubing and which through the annular space.

NOTE: If electrical log was submitted at hearing to consider your application to dually complete this well, then the information requested in (a), (b), (c), and (d) above, which information should also appear on your diagrammatic sketch, will be sufficient and no additional log need be filed.

A sample diagrammatic sketch to which reference is made in (2) above is shown on the reverse side hereof. It is presented for the purpose only of pointing out the type of information that should be shown on the sketch.

The data requested hereon should be transmitted by letter and reference should be made to the purpose for which it is submitted.

DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION



COMPANY: _____

LEASE : _____ WELL No. ___

FIELD : _____

DATE : _____

PACKER SETTING AFFIDAVIT

I, _____, being of lawful age and
Name of Party Making Affidavit
having full knowledge of the facts hereinbelow set out do state:

That I am employed by _____ in the capacity of _____, that on _____, 194__, I personally supervised the setting of a _____
Date
Make and Type of Packer
in _____, _____,
Operator of Well
Lease Name
Well No. _____ located in the _____, _____
Field
County, Texas, at a subsurface depth of _____ feet, said depth measurement having been furnished me by _____; that the purpose of setting this packer was to effect a seal in the annular space between the two strings of pipe where the packer was set so as to prevent the commingling, in the bore of this well, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer; that this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

STATE OF TEXAS)
COUNTY OF _____)

Before me the undersigned authority, on this day personally appeared _____, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that the same is a true and correct statement of the facts therein recited.

_____

Subscribed and sworn to before me on this the _____ day of _____, 194__.

_____
Notary Public in and
for _____ County, Texas

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Packer Leakage Test

Operator: _____ Lease: _____ Well: ____
Field: _____ County: _____ District: ____
Tested by: _____ Title: _____
Witnessed for operator by: _____ Title: _____

Test No. 1

Date of Test: _____
Length of Test: _____ hours
DATA ON PRODUCING COMPLETION:
Completion producing: _____
Reservoir: _____
Choke Size: _____ inches
Shut-in pressure prior to test: _____ p.s.i.
Stabilized flowing pressure during test: _____ p.s.i.
Shut-in pressure at end of test: _____ p.s.i.
DATA ON SHUT-IN COMPLETION
Completion shut-in: _____
Reservoir: _____
Shut-in pressure prior to test: _____ p.s.i.
Shut-in pressure during test: _____ p.s.i.
Shut-in pressure at end of test: _____ p.s.i.
Maximum pressure change of shut-in completion during test: _____ p.s.i.(decrease
(increase

Test No. 2

Same well bore as in Test No. 1, but with _____ completion producing and _____ completion shut-in.

Date of Test: _____
Length of Test: _____ hours
DATA ON PRODUCING COMPLETION:
Completion producing: _____
Reservoir: _____
Choke Size: _____ inches
Shut-in pressure prior to test: _____ p.s.i.
Stabilized flowing pressure during test: _____ p.s.i.
Shut-in pressure at end of test: _____ p.s.i.
DATA ON SHUT-IN COMPLETION:
Completion shut-in: _____
Reservoir: _____
Shut-in pressure prior to test: _____ p.s.i.
Shut-in pressure during test: _____ p.s.i.
Shut-in pressure at end of test: _____ p.s.i.
Maximum pressure change of shut-in completion during test: _____p.s.i.(decrease
(increase

NOTE: Enclose recording pressure charts with all pertinent information noted thereon.

REMARKS: _____

LLEGIBLE

PERFORMANCE OF HUMBLE DUAL COMPLETIONS

Field	No. of Dual Completions: Dual Gas	Gas-Oil	Dual Oil	Oper. Period Years	Failures on Dual Completion Equipment*: No.	Cause	Workover Jobs: No.	Cause	Remarks
DISTRICT 1 - None									
DISTRICT II									
Lolita	-	1	-	5.5	2	Tubing cut out opposite gas zone perforations, rubber-coated tubing used.	2	Replace tubing opposite gas zone perforations.	Continued erosion of tubing opposite gas zone perforations is expected.
Maurbro	-	1	-	0.5	2	Tubing cut out opposite gas zone perforations.	1	Replace tubing opposite gas zone perforations.	Converted to single-zone producer.
							1	Convert to single-zone producer.	
Total District II	-	2	-	3.0	4		4		
DISTRICT III									
Anahuac	-	1	-	6.0	1		1	Annulus filled with mud because of tubinghead leak.	Now produced as single-zone oil well.
Katy	6	-	-	2.6	1	Side door choke stuck; also rubber coating on tubing opposite upper perforation was eroded away.	2	Repair wellhead leak.	Because of known corrosion on inside of tubing, it is felt that no flow should be allowed in the tubing-casing annulus.
							2	Repair casing leak.	
							1	Convert to single-zone producer.	
Lovell Lake	-	[a]3	-	0.6	1	Packer seal or tubing failure.	1	Convert to single-zone producer.	Packer leakage expected.
Silsbee	-	1	-	0.7			1	Recomplete in new zones.	
	-	[b]1	-	0.4	2	Packer seal not obtained.	1	Repair dual equipment.	
					1	Packer leakage.			
Total District III	6	6	-	2.0	6		9		
DISTRICT IV									
Flour Bluff	[c]2	-	-	2.7	1	Lead-Coated tubing developed leak.	1	Replace cut-out joint of tubing.	
Kelsey Deep	-	-	2	0.7	-		-		

PERFORMANCE OF HUMBLE DUAL COMPLETIONS - Continued

Field	No. of Dual Completions: Dual Gas	Gas-Oil	Dual Oil	Oper. Period Years	Failures on Dual Completion Equipment*: No.	Cause	Workover Jobs: No.	Cause	Remarks
DISTRICT IV - Continued									
Mariposa	-	1	-	-	-		*	Casing leak.	Converted to single-zone producer.
Scott & Hopper	-	2	-	0.9	-		1	Recomplete as single-zone producer. Converted to single-zone producer.	
							1	Reduce upper zone gas-oil ratio.	
Seeligson	-	1	-	0.6	-		-		
	-	-	2	0.2	-		-		
Stratton West	-	1	-	2.4	-		-		
	1	-	-	3.7	-		-		
Total District IV	3	5	4	1.3	1		4		
DISTRICT V									
Carthage	8	-	-	0.3	1	Packer gave way under high differential pressure created by producing Travis Peak.	1	Packer failure.	Likely that high differential pressures during production of some wells will cause additional packer failures.
							2	Casing leak.	
							3		
DISTRICT VI - None									
DISTRICT VII - None									
DISTRICT VIII									
Henderson	-	1	-	2.5	2	Packer failed during completion.	-		
Fort Stockton	-	1	-	1.5	-		-		
Total District VIII	-	2	-	2.0	2		-		
DISTRICT IX - None									
DISTRICT X - None									
Total	17	15	4	1.6	14		20		

[a]Includes gas-injection well not yet used and 1 dual gas-oil well from which no gas has been produced.
[b]Crossover packer setting.
[c]One zone used for gas injection.
*78 packer failures have occurred in Humble wells (multiple and single-zone completions since January 1, 1945.

HPinc
4-17-46