

NEW MEXICO OIL CONSERVATION COMMISSION

3 - Santa Fe NMCC
1 - Aztec NMCC
1 - Carter
1 - Pecos

SANTA FE, NEW MEXICO

1 - S. F. 1 - 7-3-58
1 - El Paso
1 - File 1 - Southern
1 - Northwest Union

APPLICATION FOR DUAL COMPLETION

Field Name Tapacito Pictured Cliffs - Blanco Mesa Verde		County Rio Arriba	Date October 6, 1958
Operator Honolulu Oil Corporation		Lease Jicarilla Apache	Well No. 4
Location of Well K	Unit 4	Township 26-N	Range 4-S

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

Northwest Production Company Jicarilla Well No. W7-8

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Tapacito Pictured Cliffs	Blanco Mesa Verde
b. Top and Bottom of Pay Section (Perforations)	Top 3954 Bottom 3974 80 shots, 3954 to 3974	Top 6074 Perforations Bottom 6170 6074-6115, 6126-6144, 6154-6170
c. Type of production (Oil or Gas)	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow

4. The following are attached. (Please mark YES or NO)

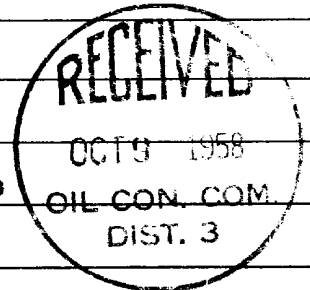
- Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Yes c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- Yes d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Northwest Production Company - Simas Building, Albuquerque, New Mexico

Southern Union Gas Company - Burt Building, Dallas, Texas

El Paso Natural Gas Company - Tenth Floor, Bassett Tower, El Paso, Texas



6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐ . If answer is yes, give date of such notification **October 6, 1958** .

CERTIFICATE: I, the undersigned, state that I am the Duly Authorized Agent of the Honolulu Oil Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

GEORGE R. HOY

Signature

- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard perforation unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

2" tbg. outlet
lower zone
production

1" bleed off string
upper zone

2" csg. outlet
upper zone production

8 5/8" csg 410' cmtd. 235 sax.

5 1/2" csg.

3954'

upper production zone
(Pictured Cliff)

3974'

1" bleed-off string @ 3967'

Baker production packer @ 3982'

3 1/2" liner hanger @ 3989'

5 1/2" csg. 4037' cmtd. 300 sax.

HONOLULU OIL CORPORATION
DUAL COMPLETION INSTALLATION
TAPACITO PICTURED CLIFF FIELD
BLANCO MESA VERDE FIELD
RIO ARRIBA COUNTY, NEW MEXICO
JICARILLA APACHE LEASE
WELL NO. 4

3 1/2" csg.

6074'

lower production zone
(Mesa Verde)

6170'

2 1/2" tbg @ 6156

3 1/2" liner 6341' cmtd. 211 sax.

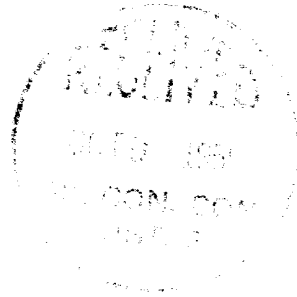
T.D. 6410'



HONOLULU OIL CORPORATION

P. O. DRAWER 1391
MIDLAND, TEXAS

October 7, 1958



New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Re: Dual Completion - Honolulu Oil
Corporation Jicarilla #4

Gentlemen:

Attached hereto is a copy of the Commission's "Packer Leakage Test (San Juan Basin)", a tabulation of the pressures recorded for each of the two producing zones during the test, and a diagrammatic sketch of the well bore equipment of the Honolulu Oil Corporation Jicarilla Apache Well No. 4. This well is located 1450 feet from the South and West lines of Section 4, T26N, R4W, NMPM, Rio Arriba County, New Mexico.

The tests were conducted as follows:

1. Both zones shut in on September 2, 1958.
2. After being shut in seven days the upper zone (Pictured Cliff) was flowed to the atmosphere for three hours. The lower zone (Mesa Verde) was left shut in. The attached pressure tabulation gives the pressure history of this test.
3. Upper zone shut in at end of test. Lower zone remained shut in.
4. Well shut in until September 25, 1958. At this time the upper zone had been shut in sixteen days and the lower zone twenty-three days.
5. The lower zone was flowed to the atmosphere for three hours. The upper zone remained shut in. The attached pressure tabulation gives the pressure history of this test.

During these tests the upper zone was produced through the tubing-casing annulus and the lower zone was produced through the 2" tubing. The 1" tubing shown on the attached diagrammatic sketch is to be used only to bleed off accumulated fluids and is not a production string.

These two tests prove that there is no communication between the

two pay zones within the well bore as a result of this method of dual completion.

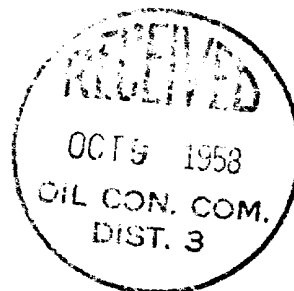
Very truly yours,

HONOLULU OIL CORPORATION



By
George R. Hoy
Division Development Engineer

GRH:mmm
Enclosures



NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

6-1-56

PACKER-SETTING AFFIDAVIT
(Dual Completions)

STATE OF TEXAS)
County of MIDLAND) ss

George R. Hoy, being first duly sworn according to law, upon his oath deposes and says:

That he is of lawful age and has full knowledge of the facts herein below set out.

That he is employed by HONOLULU OIL CORPORATION in the capacity of Division Development Engineer and as such is its authorized agent.

That on August 29, 1958, he personally supervised the setting of a Baker Model "D" production packer in Honolulu Oil Corporation's
(Make and Type of Packer) (Operator)

Jicarilla Apache Well No. 4, located in Unit
(lease)
Letter K, Section 4, Township 26-N, Range 4-W, NMPM,
Rio Arriba County, New Mexico.

That said packer was set at a subsurface depth of 3982 feet,
said depth measurement having been furnished by Welex, Inc.

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, within the well-bore, 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.

HONOLULU OIL CORPORATION
(Company)

George R. Hoy
GEORGE R. HOY (its Agent)

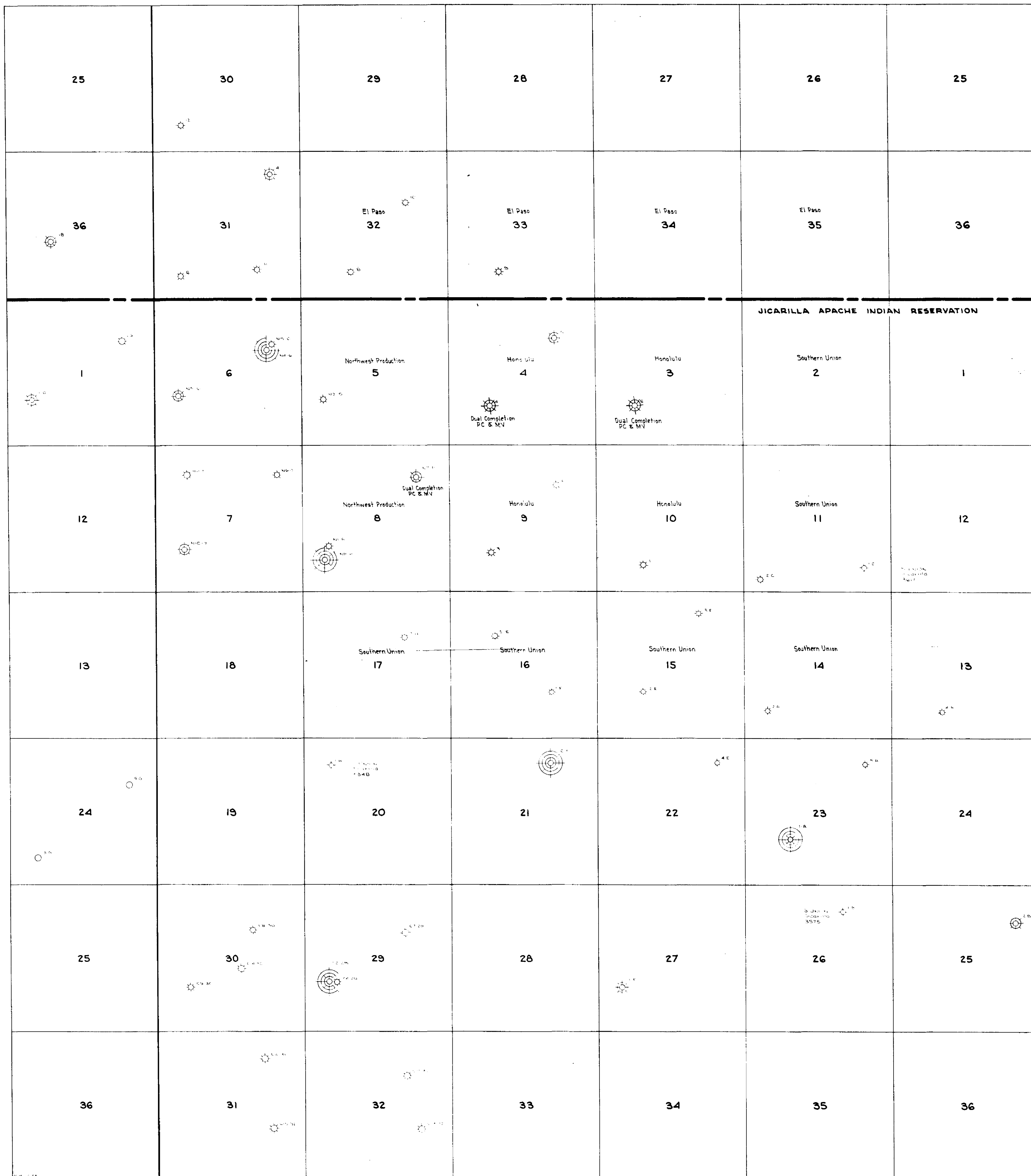
Subscribed and sworn to before me this the 6th day of Oct., AD, 1958.

James C. Long
Notary Public in and for the County
of Midland, Texas

My Commission Expires June 1 1959.



R 4 W

T
27
NT
26
N

R 4 W

CONTOURED ON ---
INTERVAL ---TAPACITO FIELD
RIO ARRIBA - NEW MEXICO

☉ PICTURED CLIFFS

☼ MESAVERDE

☼ TOGITO

☼ DAKOTA