

11/11/58

HOODS OFFICE CCC

Form C-103
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Shell Oil Company, P. O. Box 845, Roswell, New Mexico
(Address)

LEASE Taylor-Glenn WELL NO. 2 UNIT I S 3 T 21-S R 37-E

DATE WORK PERFORMED 6-25 thru 9-12-58 POOL Tubb Gas

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☒ Other Dual Completion

Detailed account of work done, nature and quantity of materials used and results obtained.

1. Ran Gamma Ray-Neutron Survey.
2. Set CIBP @ 6600' and capped with 1 sx cement.
3. Loaded casing w/oil and tested 5 1/2" casing with 2000 psi for 30 min. No leaks indicated.
4. Perforated casing 6324-6372, 6395-6407 and 6429-6436 w/4 jet shots per foot.
5. Washed perforations w/250 gals, 7 1/2% MCA. Reversed out. Set packer @ 5988' and injected 750 gallons 7 1/2% MCA.
6. Treated via 2 1/2" tubing with 30,000 gals. gelled lease crude containing 1# per gallon 20-40 mesh sand and 0.1# per gallon Adomite in five stages.
7. Loaded hole w/inverted oil base mud. Pulled tubing.
8. Drilled up CIBP and circulated hole w/mud.
9. Set Baker "DA" retainer production packer at 6580.
10. Ran 2" tubing w/Garrett slide valve at 6553' and engaged packer.
11. Ran 1" parallel vent string. Displaced mud w/oil. Retreated w/1000 gals. 7 1/2% MCA.
12. Opened Tubb gas zone thru casing/and an absolute open flow potential flowed 2200 MCFGPD.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____

Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____

Perf Interval (s) _____

Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by _____

(Company)

OIL CONSERVATION COMMISSION

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

Original Signed By
Rex C. Cabaniss

Name Rex C. Cabaniss

Name Rex C. Cabaniss

Title Oil & Gas Inspector

Position District Exploitation Engineer

Date 9-12-58

Company Shell Oil Company

Tubb Test - On 9-10-58 flowed 32 BCPD thru 20/64" choke. Gravity 61° API. GOR 46,375.

Drinkard Test - On 9-16-58 flowed 35 BOPD thru 24/64" choke. GOR 6691.

NEW MEXICO OIL CONSERVATION COMMISSION 7:31 6-1-56
SANTA FE, NEW MEXICO

PACKER-SETTING AFFIDAVIT
(Dual Completions)

STATE OF NEW MEXICO)
County of LEA) ss

H. B. Leach, 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 SHELL OIL COMPANY in the capacity of Production Foreman and as such is its authorized agent.

That on July 16,, 19 58, he personally supervised the setting of a Baker Model DA (cast iron) packer in Shell Oil Company's
(Make and Type of Packer) (Operator)

Taylor-Glenn Well No. 2, located in Unit
(lease)
Letter I, Section 3, Township 21-S, Range 37-E, NMPM,
Lea County, New Mexico.

That said packer was set at a subsurface depth of 6580 feet,
said depth measurement having been furnished by Western Company (Wire Line).

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.

SHELL OIL COMPANY
(Company)

H. B. Leach
(its Agent)

Subscribed and sworn to before me this the 2nd day of October, AD, 19 58.

Doris L. Garrison
Notary Public in and for the County of Chaves.

MY COMMISSION EXPIRES FEBRUARY 7, 1961

My Commission Expires _____.

NEW MEXICO
OIL CONSERVATION COMMISSION

PACKER LEAKAGE TEST

OPERATOR	Shell Oil Company		
LEASE NAME	Taylor-Glenn	WELL NO.	2
LOCATION	Lot 9, Section 3-21S-37E	COUNTY	Lea, N. M.

TEST DATA SHEET

[illegible]

NEW MEXICO
OIL CONSERVATION COMMISSION

4-1-56

PACKER LEAKAGE TEST OFFICE OCC

Operator Shell Oil Company Pool (Upper Completion) Tubb Gas
Lease Taylor-Glenn Well 2 Pool (Lower Completion) Drinkard Oil
Location: Unit I, S. 3, T21-S, R37-E, Lea County, N. M.

Pre-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date).....	<u>10:00 AM 9-12-58</u>	<u>9:00 AM 9-15-58</u>
Pressure stabilized at (hour, date).....	<u>5:00 PM 9-12-58</u>	<u>6:00 PM 9-15-58</u>
Length of time required to stabilize (hours).....	<u>7 Hours</u>	<u>9 Hours</u>

Flow Test No. 1

	Upper Completion	Lower Completion
Test commenced at (hour, date).....	<u>3:20 PM 9-16-58</u>	Choke size <u>24/64"</u>
Completion producing <u>Drinkard</u>	Completion shut-in	<u>Tubb Gas</u>
Stabilized pressure at beginning of test.....	<u>1892</u> psi	<u>613</u> psi
Maximum pressure during test.....	<u>1892</u> psi	<u>613</u> psi
Minimum pressure during test.....	<u>1892</u> psi	<u>78</u> psi
Pressure at end of test.....	<u>1892</u> psi	<u>78</u> psi
Maximum pressure change during test.....	<u>0</u> psi	<u>535</u> psi
Oil flow rate during test: <u>35</u> BOPD based on <u>27.5</u> BO in		<u>19</u> hours.
* Gas flow rate during test: <u>232</u> MCFPD based on <u>184</u> MCF in		<u>19</u> hours.

* Casinghead Gas

Mid-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date).....	<u>10:00 AM 9-12-58</u>	<u>10:00 AM 9-17-58</u>
Pressure stabilized at (hour, date).....	<u>5:00 PM 9-12-58</u>	<u>12:00 PM 9-17-58</u>
Length of time required to stabilize (hours).....	<u>7 Hours</u>	<u>14 Hours</u>

Flow Test No. 2

	Upper Completion	Lower Completion
Test commenced at (hour, date).....	<u>9:00 AM 9-18-58</u>	Choke size <u>11/64" & 16/64"</u>
Completion producing <u>Tubb Gas</u>	Completion shut-in	<u>Drinkard</u>
** Condensate		
Stabilized pressure at beginning of test.....	<u>1892</u> psi	<u>575</u> psi
Maximum pressure during test.....	<u>1892</u> psi	<u>661</u> psi
Minimum pressure during test.....	<u>1300</u> psi	<u>575</u> psi
Pressure at end of test.....	<u>1466</u> psi	<u>661</u> psi
Maximum pressure change during test.....	<u>592</u> psi	<u>86</u> psi
** Oil flow rate during test: <u>14</u> BOPD based on <u>12.7</u> BO in		<u>22</u> hours.
Gas flow rate during test: <u>1033</u> MCFPD based on <u>948</u> MCF in		<u>22</u> hours.

Test performed by D. L. Stevenson Title Lease Switcher

Witnessed by H. B. Leach Title Production Foreman

REMARKS: _____

NOTE: Recording gauge pressure charts, test data sheet, and a graphic depiction of all phases of the test shall be submitted with this report.

AFFIDAVIT:

I HEREBY CERTIFY that all conditions prescribed by Oil Conservation Commission of the State of New Mexico for this packer leakage test were complied with and carried out in full, and that all dates and facts set forth in this form and all attached material are true and correct.

H. B. Leach
(Representative of Company Making Test)

For SHELL OIL COMPANY
(Company Making Test)

SWORN TO AND SUBSCRIBED before me this the 2nd day of October, 19 58

MY COMMISSION EXPIRES FEBRUARY 7, 1961.

Morris L. Garrison
Notary Public in and for the County of Chaves
State of New Mexico

(OVER)

INSTRUCTIONS
(SOUTHEAST NEW MEXICO ONLY)

1. At least 24 hours prior to the commencement of this test, the operator shall notify the District Office of the Oil Conservation Commission in writing of the exact time said test is to be commenced.
2. The packer leakage test shall commence with both sides of the completion shut-in. Both sides of the completion must be shut-in a sufficient length of time to allow for complete stabilization of both wellhead pressures, and for a minimum of 2 hours thereafter- this minimum of 2 hours shut-in must show on the charts of the pressure recorder and also must appear on the data sheet.
3. For Flow Test No. 1, one side of the dual completion shall be produced with the other side shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of 2 hours thereafter, and shall be at a rate of flow approximating the normal rate of flow for the zone being produced.
4. Following the completion of flow test No. 1, the well will again be shut-in, and remain so until the wellhead pressures have again become stabilized and for a minimum of 2 hours thereafter.
5. Flow Test No. 2 shall be performed with the previously shut-in side of the dual completion flowing and with the flowing side of the completion used in test number 1 remaining shut-in. This test shall be conducted exactly as outlined under Flow Test No. 1, and must be performed even though no leak was indicated by Flow Test No. 1.
6. All pressures, throughout the entire test, must be continuously measured and recorded with recording pressure gauges.
7. The accuracy of the recording gauges shall be checked at regular intervals throughout the test with a dead weight test gauge, and such readings shall be recorded on the test data sheet provided.
8. For any well on which the wellhead pressures will not stabilize in (24) twenty four hours or less, the minimum producing or shut-in time allowed for stabilization shall be (24) twenty-four hours.
9. This form must be completed and filed in duplicate with the District Office of the Oil Conservation Commission within 15 days following the completion of the testing, and must be accompanied by:
 - a. all of the charts, or copies thereof, used on the pressure recorders during the test.
 - b. the test data-sheet (s), or copies thereof, required under paragraph 7 above.
 - c. a graph depicting the pressures and their changes, for both sides of the completion over the entire test.
10. This packer leakage test shall be performed upon dual completion of any new wells so approved by the Commission. This test shall also be required each year during the annual GOR test for the lowermost oil zone or oil pool so concerned. The Commission may also request packer leakage tests at any time they feel that a new test is desirable.