

CASE 2437. Application of J. C.  
WILLIAMSON for a dual completion  
of its WESTATES-FEDERAL NO. 6 WELL.

-asa//o.

2437

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olution, Transcript,  
all Exhibits, Etc.

State of New Mexico  
Oil Conservation Commission

P. O. BOX 871  
SANTA FE

Mr. Jason Kellahin  
Kellahin & Fox  
Box 1713  
Santa Fe, New Mexico

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.  
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC           x          

Artesia OCC

**Aztec OCC** \_\_\_\_\_

**OTHER** \_\_\_\_\_

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 2437  
Order No. R-2138

APPLICATION OF J. C. WILLIAMSON  
FOR A DUAL COMPLETION, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on November 29, 1961, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 13th day of December, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, J. C. Williamson, is the owner and operator of the Westates-Federal Well No. 6, located in the NW/4 NW/4 of Section 1, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to complete the above-described Westates-Federal Well No. 6 as a dual completion (conventional) in such a manner as to permit the production of oil from the Muskogean and Ellenburger formations through parallel strings of 2 3/8-inch tubing, separation of zones to be by packer.

(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(5) That approval of the subject application will neither cause waste nor impair correlative rights.

-2-

CASE NO. 2437  
Order No. R-2138

IT IS THEREFORE ORDERED:

(1) That the applicant, J. C. Williamson, is hereby authorized to complete its Westates-Federal Well No. 6, located in the NW/4 NW/4 of Section 1, Township 25 South, Range 37 East, Grant, Lea County, New Mexico, as a dual completion (conventional) in such a manner as to permit the production of oil from the McKee and Ellenburger formations through parallel strings of 2 3/8-inch tubing, separation of zones to be by packer.

PROVIDED HOWEVER, That the operator shall complete, operate, and produce said well in accordance with Rule 112-A of the Commission Rules and Regulations.

PROVIDED FURTHER HOWEVER, That the applicant shall take packer-leakage tests annually during the Annual Gas-Oil Ratio Test Period for the Ellenburger zone and at such other times as the Secretary-Director of the Commission may prescribe.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

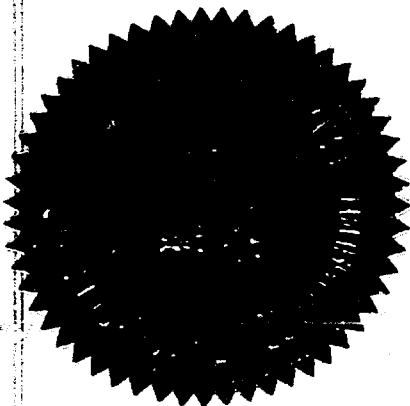
STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*E. L. Mechem*

EDWIN L. MECHEM, Chairman

*E. S. Walker*  
E. S. WALKER, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary



esr/

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Date 12/7/61

CASE 243<sup>A</sup>

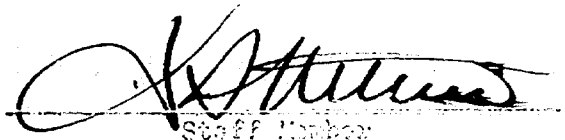
Hearing Date 9am 11/29/61

DSN @ SF

My recommendations for an order in the above numbered cases are as follows:

Enter an order approving the  
dual compl. of J. C. W. Wilmerson's  
wells Fed #6 NW/4 NW/4 Sec 1  
25S, 37E to produce oil from  
the McKee and the Eckenburger  
formations through parallel strings  
of 2 3/8" tubing.

Specify packer leakage tests upon  
~~completion~~ annuallery during  
the Eckenburger GOR test pd

  
Staff Member

# Memo

11-24

From

Joe D. Ramey

Supervisor & Proration Manager

To: Don Nutter

The attached concerns  
Case 2437.

It looks like the USGS  
will handle this without us  
intervening. I don't particularly  
see any need for one of us  
to be at the hearing. However,  
you might question him about  
the letter & also about his  
cement tops.

No new additions yet.

JDR

P. O. Box 1438  
Hobbs, New Mexico

November 3, 1961

CONTINUED MAIL  
RETURN RECEIPT REQUESTED

J. C. Williamson  
P. O. Box 16  
MILGAM, TEXAS

Dear Sir:

It has been determined that your recent well completions in sec. 1, T. 25 N., R. 37 E. on Federal oil and gas lease Las Cruces 032579(a) were made without complete protection of the shallower productive zones. The data presented by Mr. George Kinross of your office and our available well information shows the possibility of inter zone communication in the following wells:

Well No. 4 Westates Federal (1930' from north and 330' from west lines, sec. 1). Formations from 3,550 to 6,500 feet not covered by cement behind the pipe.

Well No. 5 Westates Federal (1730' from north and 330' from west lines, sec. 1). Formations from 2,200 to 4,335 feet not covered by cement behind the pipe.

Well No. 6 Westates Federal (330' from north and west lines, sec. 1). Formations from 2,215 to 7,000 feet not covered by cement behind the pipe.

You are allowed fifteen days from the receipt of this letter to arrange a conference with the Regional Oil and Gas Supervisor, Roswell, New Mexico, to show why the above wells should not be repaired to conform with accepted cementing requirements for the North Jostis Area of the Monument-Jal Field, Lea County, New Mexico.

Very truly yours,

E. W. Standley  
District Engineer

cc: OGC-Hobbs



DOCKET: EXAMINER HEARING - WEDNESDAY - NOVEMBER 29, 1961

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM  
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or  
Elvis A. Utz, as alternate examiner:

Cases listed on this docket after Case 2444 will not be heard before 1 P.M.

CASE 2434: Application of Amerada Petroleum Corporation for a dual completion and a 160-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State DA Well No. 1 located in Unit L, Section 16, Township 21 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the Eumont Gas Pool and the Drinkard Pool, with the production of oil from the Drinkard zone to be through a string of 2 3/8-inch tubing and the production of gas from the Eumont zone to be through the tubing-casing annulus. Applicant further seeks the establishment of a 160-acre non-standard gas proration unit in the Eumont Gas Pool, comprising the N/2 S/2 of said Section 16, said unit to be dedicated to said State DA Well No. 1.

CASE 2435: Application of Cities Service Oil Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Hodges "B" Well No. 3, located in Unit L of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a triple completion (conventional) in undesignated Blinebry and Drinkard pools and in the Fusselman formation adjacent to the North Justis-Fusselman pool, with the production of oil from the Blinebry and Drinkard zones to be through parallel strings of 2 1/16-inch tubing and the production of oil from the Fusselman zone to be through a parallel string of 2 3/8-inch tubing.

CASE 2436: Application of Hudson & Hudson for two unorthodox oil well locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of two unorthodox oil well locations in the Maljamar Pool, one well to be located within 100 feet and not less than 25 feet of the Southeast corner of Unit J, Section 24, Township 17 South, Range 31 East, Eddy County, New Mexico, and one well to be located within 100 feet and not less than 25 feet of the Northwest corner of Unit O in said Section 24.

CASE 2437:

Application of J. C. Williamson for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Westates-Federal Well No. 6, located in Unit D of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the McKee and Ellenburger formations with the production of oil from both zones to be through parallel strings of 2 3/8-inch tubing.

CASE 2438:

Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its V. M. Henderson Well No. 6, located in Unit C of Section 30, Township 21 South, Range 37 East, Lea County, New Mexico, as a triple completion in the Paddock, Blinebry Gas, and Drinkard Pools with the production of oil from the Drinkard formation to be through a tapered string of tubing of 2 1/16-inch and 1 1/4-inch diameter and from the Paddock formation to be through a parallel string of 2 1/16-inch tubing and the production of gas from the Blinebry formation to be through the tubing-casing annulus.

CASE 2421:

(Cont.)

Application of Texaco Inc. for approval of a unit agreement and for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Northeast Caprock (Queen) Unit Agreement, covering 1360 acres, more or less, in Township 12 South, Range 32 East, Caprock Queen Pool, Lea County, New Mexico. Applicant further seeks authority to institute a unit-wide waterflood by the injection of water into the Queen formation through 19 wells located within said unit.

CASE 2439:

Application of Sunray Mid-Continent Oil Company for a 67.04-acre non-standard oil proration unit and an unorthodox well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of 67.04-acre non-standard oil proration unit in the Totah-Gallup Oil Pool, comprising Lots 2, 3 and 4 of Section 14, Township 29 North, Range 14 West, San Juan County, New Mexico, said unit to be dedicated to a well to be located at an unorthodox location 330 feet from the North line and 2510 feet from the West line of said Section 14.

Docket No. 32-61

CASE 2440: Application of Socony Mobil Oil Company for permission to transfer allowables, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to shut-in the Boulder-Apache Well No. 12-14, located in Section 14, Township 28 North, Range 1 West, Boulder-Mancos Oil Pool, Rio Arriba County, New Mexico, and transfer its allowable to the Boulder-Apache Well No. 23-14 located in said Section 14 for the purpose of conducting interference tests.

CASE 2441: Application of Water Flood Associated, Inc., for a waterflood project in the Maljamar and Robinson Pools, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Maljamar and Robinson Pools in portions of Sections 5, 6 and 7, all in Township 17 South, Range 32 East, Lea County, New Mexico.

CASE 2442: Application of El Paso Natural Gas Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Mescalero Ridge Unit Well No. 1, located in Unit D of Section 21, Township 19 South, Range 34 East, Lea County, New Mexico, as a dual completion (conventional) in the Bone Springs and Morrow formations, with the production of oil from the Bone Springs zone to be through a string of 2 3/8-inch tubing and the production of gas from the Morrow zone to be through a parallel string of 2 1/16-inch tubing.

CASE 2443: Application of Gulf Oil Corporation for an 80-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of an 80-acre non-standard gas proration unit in the Eumont Gas Pool, comprising the E/2 NE/4 of Section 34, Township 19 South, Range 36 East, Lea County, New Mexico, said unit to be dedicated to the J. W. Smith Well No. 2, located 660 feet from the North and East lines of said Section 34.

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The following cases will not be heard before 1 P.M.

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CASE 2444: Application of Aztec Oil & Gas Company for an exception to Rule 309-A, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 309-A to permit the Totah-Gallup oil production from three wells on

applicant's Hagood Federal Lease, located in Section 19, Township 29 North, Range 13 West, San Juan County, New Mexico, to be transported prior to measurement on said lease to applicant's Smith "C" Lease, located in Section 18, Township 29 North, Range 13 West.

CASE 2445: Application of Southwest Production Company for an order extending the Flora Vista-Mesaverde Pool, San Juan County, New Mexico, and establishing special rules and regulations in said pool. Applicant, in the above-styled cause, seeks an order extending the Flora Vista-Mesaverde Pool to include Sections 22, 23, 26 and 27, all in Township 30 North, Range 12 West, San Juan County, New Mexico, and establishing special rules and regulations including a provision for 320-acre spacing units in said pool.

CASE 2446: Application of Southwest Production Company for an order pooling all mineral interests in the Basin-Dakota Gas Pool in the E/2 of Section 22, Township 30 North, Range 12 West, San Juan County, New Mexico. Interested parties include Roy Rector and O. G. Shelby, both of Flora Vista, New Mexico, and Myron T. Dale, address unknown.

CASE 2416: (Cont.)  
Application of Southwest Production Company for an order pooling all mineral interests in an undesignated Mesaverde gas pool in the E/2 of Section 22, Township 30 North, Range 12 West, San Juan County, New Mexico.

CASE 2447: Application of Humble Oil & Refining Company for approval of a pressure maintenance project in the Cha Cha-Gallup Oil Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project in the Cha Cha-Gallup Oil Pool by the injection of water into certain wells located on the Navajo Indian Reservation in Sections 13 through 29 and 33 through 36, Township 29 North, Range 14 West, San Juan County, New Mexico. Applicant further seeks the promulgation of special rules and regulations governing said project.

CASE 2448: Application of Pan American Petroleum Corporation for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project on its C. J. Holder,

State Holder Oil Unit, State "CA", State Oil Unit and Gallegos Canyon Unit Leases, San Juan County, New Mexico, in the Cha Cha-Gallup Oil Pool with water injection initially to be through five wells located in Sections 8 and 16, Township 28 North, Range 13 West, and Section 23, Township 28 North, Range 12 West, and requests adoption of special rules to govern the operation of said project.

CASE 2449:

Application of Pan American Petroleum Corporation for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project on the "H" and Gallegos Canyon Unit Leases, San Juan County, New Mexico, in the Totah-Gallup Oil Pool with water injection initially to be through five wells located in Section 35, Township 29 North, Range 13 West, Section 12, Township 28 North, Range 13 West, and Sections 13 and 24, Township 29 North, Range 14 West, and requests adoption of special rules to govern the operation of said project.

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION *Case 2437*

Field Name Wildcat (Undesignated)		County Lea		Date October 25, 1961
Operator J. C. Williamson		Lease Westates-Federal		Well No. 6
Location of Well	Unit D	Section 1	Township 25-S	Range 37-E

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 X
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	McKee	Ellenburger
b. Top and Bottom of Pay Section (Perforations)	7900 - 10', 7934-38', 7958-88'	8380 - 8460'
c. Type of production (Oil or Gas)	Oil	Oil
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.
- \_\_\_\_\_ 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.

Cities Service Petroleum Co. Box 760, Roswell, New Mexico	Gulf Oil Corporation Box 669, Roswell, New Mexico
Humble Oil & Refg. Co. Box 2347, Hobbs, New Mexico	Texaco, Inc. Box 92, Midland, Texas
Claude Aikman Box 2090, San Angelo, Texas	Amerada Petroleum Corporation Drawer D, Monument, New Mexico
Skelly Oil Company Box 38, Hobbs, New Mexico	

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 25, 1961.

**CERTIFICATE:** I, the undersigned, state that I am the Asst. to Supt. of the J. C. Williamson (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.

\* 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.

J. C. WILLIAMSON  
606 V & J TOWER  
MIDLAND, TEXAS

*Case 2437*

OCTOBER 25, 1961

TO ALL OFFSET OPERATORS:

RE: J. C. WILLIAMSON #6 WESTATES-FEDERAL, LEA COUNTY, NEW MEXICO

GENTLEMEN:

IF YOU HAVE NO OBJECTION TO THE DUAL COMPLETION OF THE ABOVE WELL AS SHOWN ON THE ATTACHED WAIVER AND APPLICATION FOR DUAL COMPLETION, WOULD YOU PLEASE SIGN THE ATTACHED WAIVER AND MAIL TO THE OIL CONSERVATION COMMISSION, HOBBS, NEW MEXICO.

YOURS VERY TRULY,

J. C. WILLIAMSON

*George W. Kingree*  
By George W. Kingree  
Superintendent

P. O. BOX 16

PHONE MU 4-8850

J. C. WILLIAMSON  
606 V & J TOWER  
MIDLAND, TEXAS

OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

GENTLEMEN:

THIS IS TO ADVISE THAT WE DO NOT OBJECT TO THE DUAL COMPLETION OF THE J. C. WILLIAMSON #8 WESTATES-FEDERAL, BEING 330' FNL & 330' FNL OF SECTION 1, T-25-S, R-37-E, (WILDCAT - UNDESIGNATED), LEA COUNTY, NEW MEXICO, SAID DUAL BEING FROM THE HOKEE ZONE - PERFORATIONS 7800-10', 7934-38' AND 7958-88'; AND FROM THE ELLENBURGER ZONE - PERFORATIONS 8380-8460'. TOTAL DEPTH OF WELL BEING 8466'.

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Name of Company

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Signature and Title

---

Date



McKee Flow

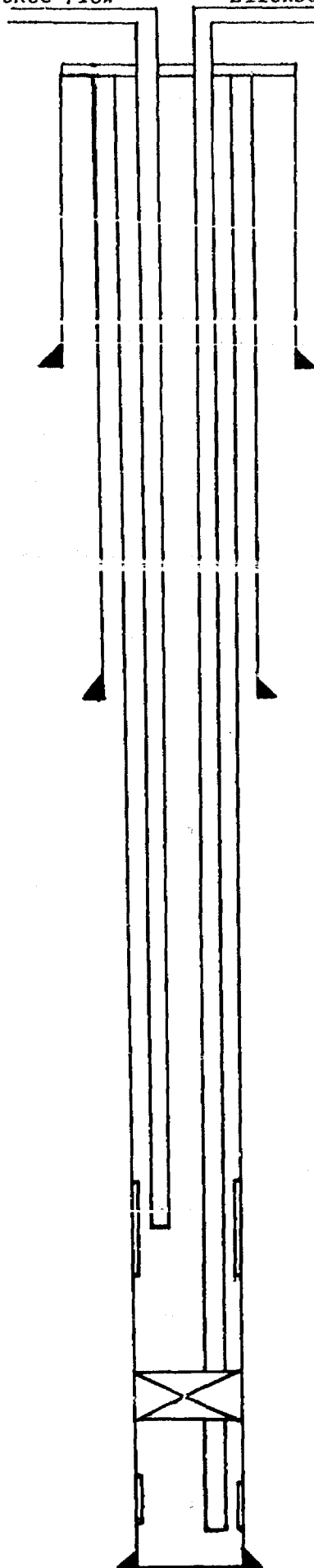
Ellenburger Flow

McElvoy 6000# test  
Dual Well Head

WESTATES-FEDERAL #6

Undesignated Pool - Lea County, New Mexico

McKee - Ellenburger Dual



13 3/8" @ 130' - Circulated Cement

Ran Cement Bond Log - T/Cement 1760'  
& Squeezed According to USGS Specifications  
Witnessed by USGS Representative

9 5/8" @ 2245' - Cemented w/150 sx. 4%  
plus 2% CC

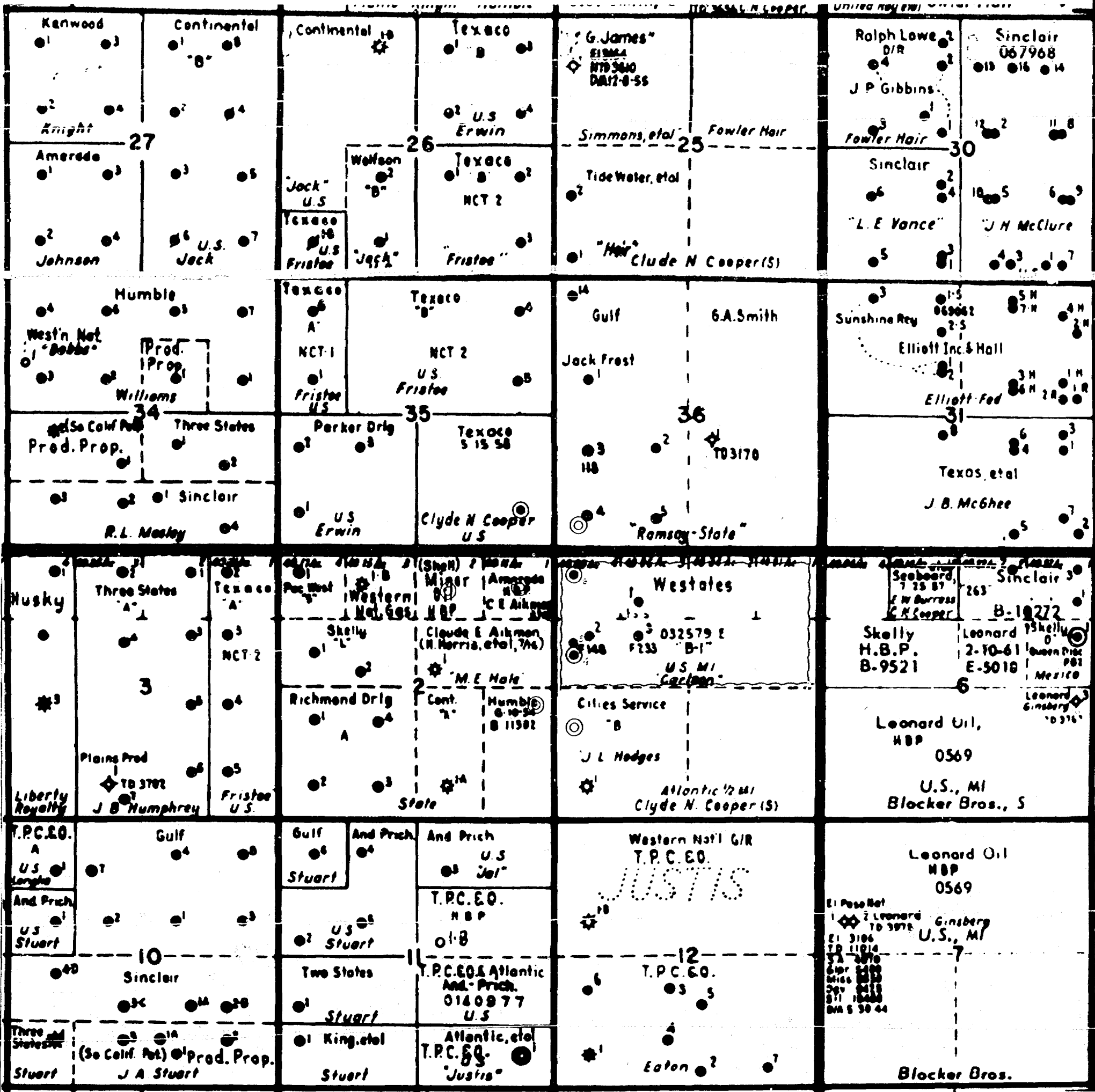
16 Centralizers spaced from Total Depth  
up to 4000'

McKee Perfs  
7900 - 7910' )  
7934 - 7938' ) w/ 2 Shots per ft.  
7958 - 7988' )

2 3/8" tubing @ 7992' on McKee

Brown Type BP4H Pkr. set @ 8334'

Ellenburger Perfs  
8380 - 8460' w/ 2 shots  
2 3/8" Tubing @ 8460' on Ellenburger  
7" @ 8466' Cemented w/372 sx 50/50 Diamix  
plus 2% - T/Cement 7000'





## SKELLY OIL COMPANY

P. O. Box 1650  
TULSA 2, OKLAHOMA

PRODUCTION DEPARTMENT  
C. L. BLACKSHER, VICE PRESIDENT  
W. P. WHITMORE, GENERAL MANAGER

November 3, 1961

*To: Jim Kapterna*

Oil Conservation Commission  
Box 2045  
Hobbs, New Mexico

Gentlemen:

Skelly Oil Company waives notice and objection to the dual completion of the J. C. Williamson #6 Westates-Federal from the McKee zone and Ellenburger zone.

Very truly yours,

George W. Selinger

GWS:br

cc-J. C. Williamson  
606 V & J Tower  
Midland, Texas

J. C. WILLIAMSON  
606 V & J TOWER  
MIDLAND, TEXAS

To Jim Kestane

OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

GENTLEMEN:

THIS IS TO ADVISE THAT WE DO NOT OBJECT TO THE DUAL COMPLETION OF THE  
J. C. WILLIAMSON #6 WESTATES-FEDERAL, BEING 330' FNL & 330' FWL OF  
SECTION 1, T-25-S, R-37-E, (WILDCAT - UNDESIGNATED), LEA COUNTY, NEW  
MEXICO, SAID DUAL BEING FROM THE MCKEE ZONE - PERFORATIONS 7900-10',  
7934-38' AND 7958-88'; AND FROM THE ELLENBURGER ZONE - PERFORATIONS  
8380-8460'. TOTAL DEPTH OF WELL BEING 8466'.

HUMBLE OIL & REFINING CO.

Name of Company

*[Signature]*

*[Signature]*

11-3-61

Date

*ms*

*all*

J. C. WILLIAMSON  
606 V & J TOWER  
MIDLAND, TEXAS

*Tim Kogelino*

Oil Conservation Commission  
Box 2045  
Hobbs, New Mexico

Gentlemen:

This is to advise that we do not object to the dual completion of the J. C. Williamson #6 Westates-Federal, being 330' FNL & 330' FWL of Section 1, T-25-S, R-37-E, (Wildcat - Undesignated), Lea County, New Mexico, said dual being from the McKee zone - perforations 7900-10', 7934-36' and 7958-88'; and from the Ellenburger zone - perforations 8360-8460'. Total Depth of well being 8466'.

*R.S. Amerada Pet. Corp*  
Name of Company

*R.S. Christie Adm*  
Signature and Title

*10-30-61*  
Date

P. O. BOX 16

PHONE MU 4-8850

J. C. WILLIAMSON  
606 V & J TOWER  
MIDLAND, TEXAS

*To: Mr. J. C. Williamson*

Oil Conservation Commission  
Box 2045  
Hobbs, New Mexico

Gentlemen:

This is to advise that we do not object to the dual completion of the J. C. Williamson #6 Westates-Federal, being 330' FNL & 330' FWL of Section 1, T-25-S, R-37-E, (Wildcat - Undesignated), Lea County, New Mexico, said dual being from the McKee zone - perforations 7900-10', 7934-38' and 7958-88'; and from the Ellenburger zone - perforations 8380-8460'. Total Depth of well being 8466'.

GULF OIL CORPORATION

Name of Company

*W. A. Shellshear*

Signature and Title

W. A. Shellshear, District Manager

October 30, 1961

Date

U. S. LAND OFFICE - LAS CRUCES

SERIAL NUMBER.....032579 (EO).....

LEASE OR PERMIT TO PROSPECT .....

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date October 25, 1961

Title Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling August 12, 19 61. Finished drilling September 23, 19 61

(Denote gas by  $G$ )

No. 1, from	4750	to	4894 (G)	No. 4, from	6910	to	7060
No. 2, from	4894	to	4940 (G)	No. 5, from	7900	to	8020
No. 3, from	5043	to	5650	No. 6, from	8380	to	8406

No. 1, from \_\_\_\_\_ to \_\_\_\_\_      No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_      No. 4, from \_\_\_\_\_ to \_\_\_\_\_

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
3/8	140	8 rd	Ull	2243	Pattern	7990	7910		
5/8	125	8 rd	Ull	2243	Pattern	7990	7910		
3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
1	125	8 rd	Ull	2243	Pattern	7990	7910		
1 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
1 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
1 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
2	125	8 rd	Ull	2243	Pattern	7990	7910		
2 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
2 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
2 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
3	125	8 rd	Ull	2243	Pattern	7990	7910		
3 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
3 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
3 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
4	125	8 rd	Ull	2243	Pattern	7990	7910		
4 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
4 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
4 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
5	125	8 rd	Ull	2243	Pattern	7990	7910		
5 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
5 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
5 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
6	125	8 rd	Ull	2243	Pattern	7990	7910		
6 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
6 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
6 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
7	125	8 rd	Ull	2243	Pattern	7990	7910		
7 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
7 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
7 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
8	125	8 rd	Ull	2243	Pattern	7990	7910		
8 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
8 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
8 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
9	125	8 rd	Ull	2243	Pattern	7990	7910		
9 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
9 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
9 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
10	125	8 rd	Ull	2243	Pattern	7990	7910		
10 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
10 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
10 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		
11	125	8 rd	Ull	2243	Pattern	7990	7910		
11 1/4	125	8 rd	Ull	2243	Pattern	7990	7910		
11 1/2	125	8 rd	Ull	2243	Pattern	7990	7910		
11 3/4	125	8 rd	Ull	2243	Pattern	7990	7910		

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	13 3/8	120	125	Pump & Plug	wt. 9.1, Visc. 30	Unknown
	9 5/8	2245	150	Pump & Plug	" " " "	" "
	7	8466	372	Pump & Plug	" " " "	" "

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
------	------------	----------------	----------	------	------------	-------------------


# TOOLS USED

Rotary tools were used from 0 feet to 8466 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

# DATES

October 2, 1921. Put to producing September 31, 1921.

The production for the first 24 hours was 360 barrels of fluid of which 100% was oil; % emulsion; % water; and % sediment.

If gas well, cu. ft. per 24 hours

Rock pressure, lbs. per sq. in.

Gravity, °Bé. 40  
SEE ATTACHED SHEET FOR ELLENBURGER PRODUCTION  
Ganons gasoline per 1,000 cu. ft. of gas

# EMPLOYEES

Bob Hillin, Driller  
" " " " Driller  
" " " " Driller

# FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	130	130	Caliche & Surface Sands
130	896	766	Shale
896	3632	2736	Anhy. Salt w/Streaks of Sb and Shale
3632	4687	1055	Dolomite
4687	4760	73	Dolomite & Sand
4760	5000	240	Dolomite
5000	5050	50	Dolomite & Sand
5050	7090	2040	Dolomite
7090	7435	345	Dolomite & Chert
7435	7520	85	Dolomite & Sand
7520	7670	150	Lime
7670	7770	100	Shale
7770	7810	40	Lime
7810	8230	420	Sand & Shale
8230	8350	120	Lime & Shale
8350	8466	116	Dolomite

# LOG TOPS

Kustler	896'
Yates	2370'
San Andres	3632'
Glor.	4688'
Paddock	4894'
Blaineberry	4986'
Fusselman	6910'
Montoya	7088'
Simpson	7410'
McKee	7800'
Ellenburger	8373'

(OVER)  
FORMATION RECORD - CONTINUED


Form 5-230

GEOLOGICAL SURVEY  
DEPARTMENT OF THE INTERIOR  
UNITED STATES

REVENUE OR BUREAU OF LANDS  
SERIAL NUMBER  
U. S. FIELD OFFICE

RECORDED BY  
INDEXED BY

10-42094-5



ELLENBURGER DATA

Ellenburger Perfs - 8380 - 8460'  
2" Tubing 8 rd Lone Star set at 8460'

DATES

October 1, 1961 = Put to producing September 28, 1961.

The production for the first 24 hours was 237.60 barrels of fluid  
of which 100% was oil; - Gravity 41 Degrees.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Midland, Texas

October 2, 1961

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

J. C. Williamson  
(Company or Operator)

Westates-Federal  
(Lease)

Well No. 6, in NE 1/4 NE 1/4.

Unit Letter

Sec. 1

T. 25-S

R. 27-E

NMPM

Wildcat (Undesignated)

Pool

Lea

County. Date Spudded. 8/12/61

Date Drilling Completed

9/23/61

Please indicate location:

Elevation 3152' DF

Total Depth 8466'

PSTD -

Top Oil/Gas Pay 7900'

Name of Prod. Form. McKee

PRODUCING INTERVAL -

Perforations 7900-10', 7934-38', 7958-88'

Open Hole

Depth

Casing Shoe 8466'

Depth

Tubing 7992'

OIL WELL TEST -

Natural Prod. Test: 360 bbls. oil, 0 bbls. water in 24 hrs, min. Size 14/64

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of

load oil used): bbls. oil, bbls. water in hrs, min. Size

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): None

Casing Tubing Date first new  
Press. Pkr. Press. 875 oil run to tanks September 31, 1961

Oil Transporter The Permian Corporation

Gas Transporter None

Tubing, Casing and Cementing Record

Size	Feet	Size
13 3/8	130	125
9 5/8	2245	150
7	8466	372
2" EUE	7992	

Remarks: Upper Zone of a dual

Ellanburger filed 10/1/61

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

Approved: 19

J. C. WILLIAMSON

(Company or Operator)

OIL CONSERVATION COMMISSION

By:

Mary E. Smyre  
(Signature)

By:

Title Asst. to Supt.

Send Communications regarding well to:

Title

Name J. C. WILLIAMSON

Address BOX 16, MIDLAND, TEXAS

Diagrammatic Sketch

McKee Flow

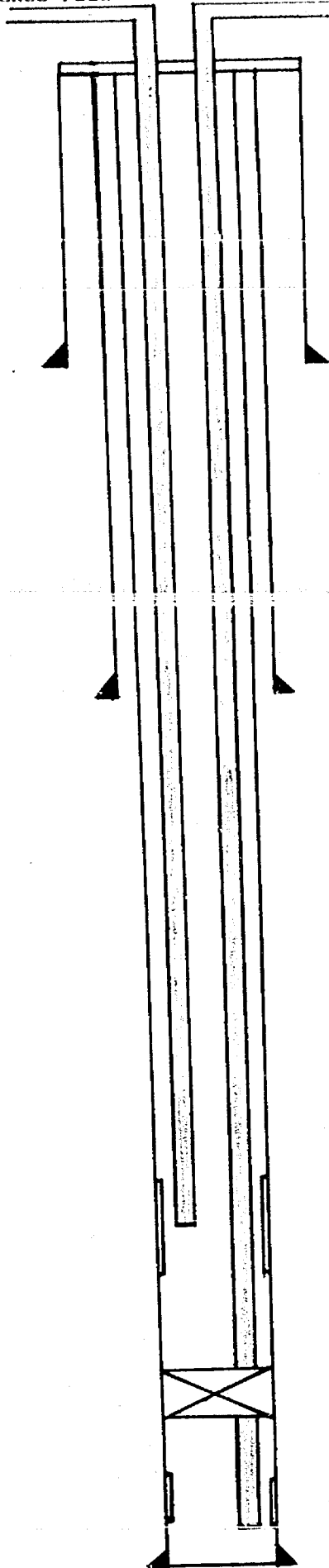
Ellenburger Flow

McEvoy 6000# test  
Dual Well Head

J.C. WILLIAMSON  
WESTATES-FEDERAL #6

Undesignated Pool - Lea County, New Mexico

McKee - Ellenburger Dual



13 3/8" @ 130' - Circulated Cement

Ran Cement Bond Log - T/Cement 1760'  
& Squeezed According to USGS Specifications  
Witnessed by USGS Representative

9 5/8" @ 2245' - Cemented W/150 sx. 4%  
plus 2% CC

16 Centralizers spaced from Total Depth  
up to 4000'

McKee Perfs  
7900 - 7910' )  
7934 - 7938' ) W/ 2 Shots per ft.  
7958 - 7988' )  
2 3/8" tubing @ 7992' on McKee

Brown Type BP4H Pkr. set @ 8334'

Ellenburger Perfs  
8380 - 8460' W/ 2 shots  
2 3/8" Tubing @ 8460' on Ellenburger  
7" @ 8466' Cemented W/372 sx 50/50 Diamix  
plus 2% - T/Cement ~~7000~~ 5450'

#3

JOHN W. WEST ENGINEERING COMPANY  
412 NORTH DAL PASO, HOBBS, NEW MEXICO

TELEPHONES 3 3947  
2 6770

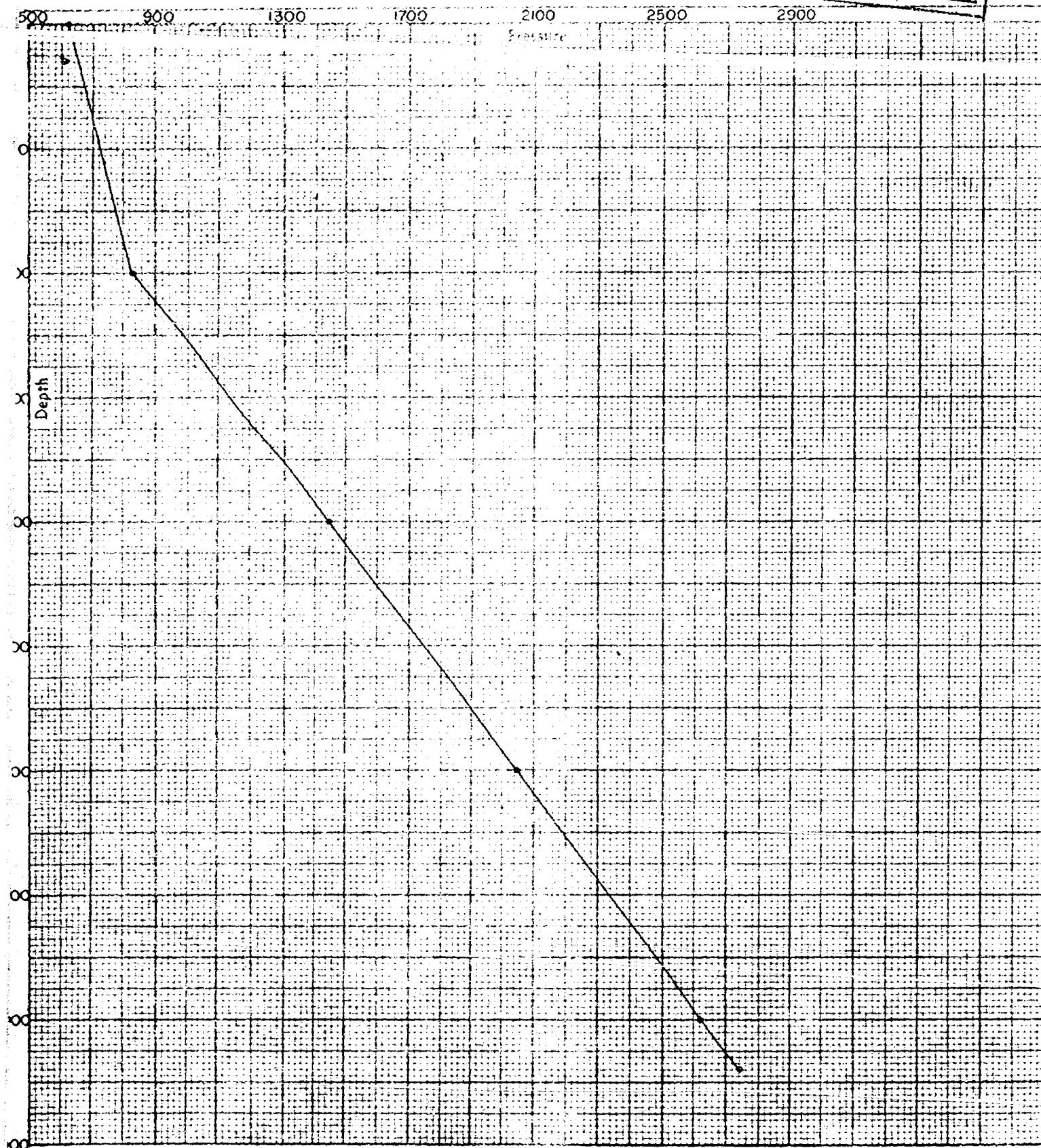
## BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR J.C. Williamson  
LEASE West States  
WELL NO. 6 (Ellenburger)  
FIELD North Justice (Ellenburger)  
DATE 11-6-61 TIME 9:45 A.M.

DEPTH	PRESSURE	GRADIENT
000	619	
2000	829	.105
4000	1446	.309
6000	2050	.302
8000	2623	.287
8400	2740	.292

STATUS shut-in TEST DEPTH 8400  
TIME S.I. 26 Hrs. LAST DATE Initial  
CAS. PRES. BHP LAST TEST  
TUB. PRES. 619 BHP CHART  
ELEV 3135 Gr. FLUID TOP 2000  
DATUM -5265 WATER TOP  
TEMP 158°F RUN BY C.M.  
CLOCK NO 5899 GAUGE NO 12434  
ELEMENT NO. 14659-N

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 3  
CASE NO. 2427



JOHN W. WEST ENGINEERING COMPANY  
412 NORTH DAL PASO, HOBBS, NEW MEXICO

TELEPHONES 3-3942  
3-6770

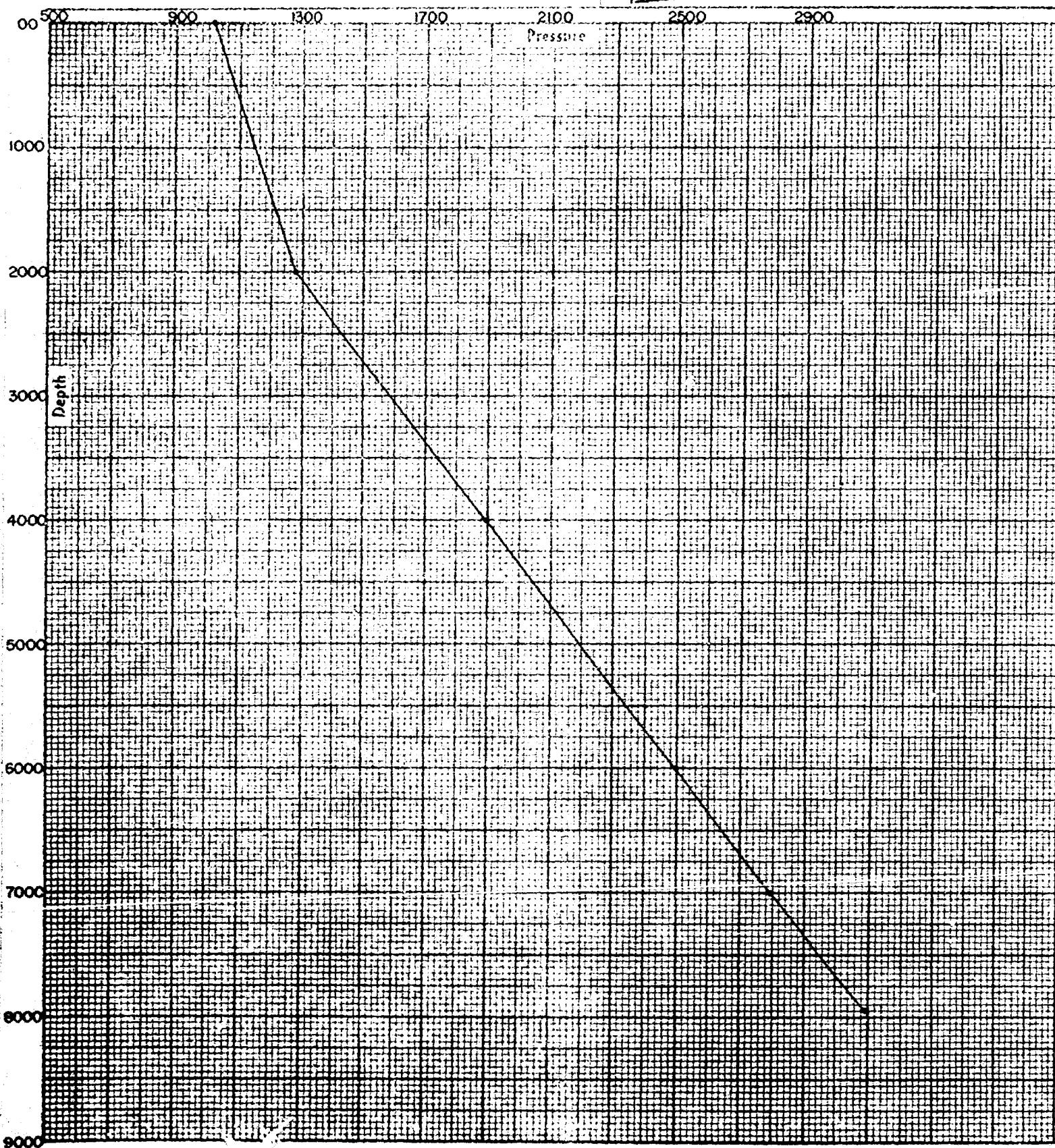
## BOTTOM HOLE PRESSURE SURVEY REPORT

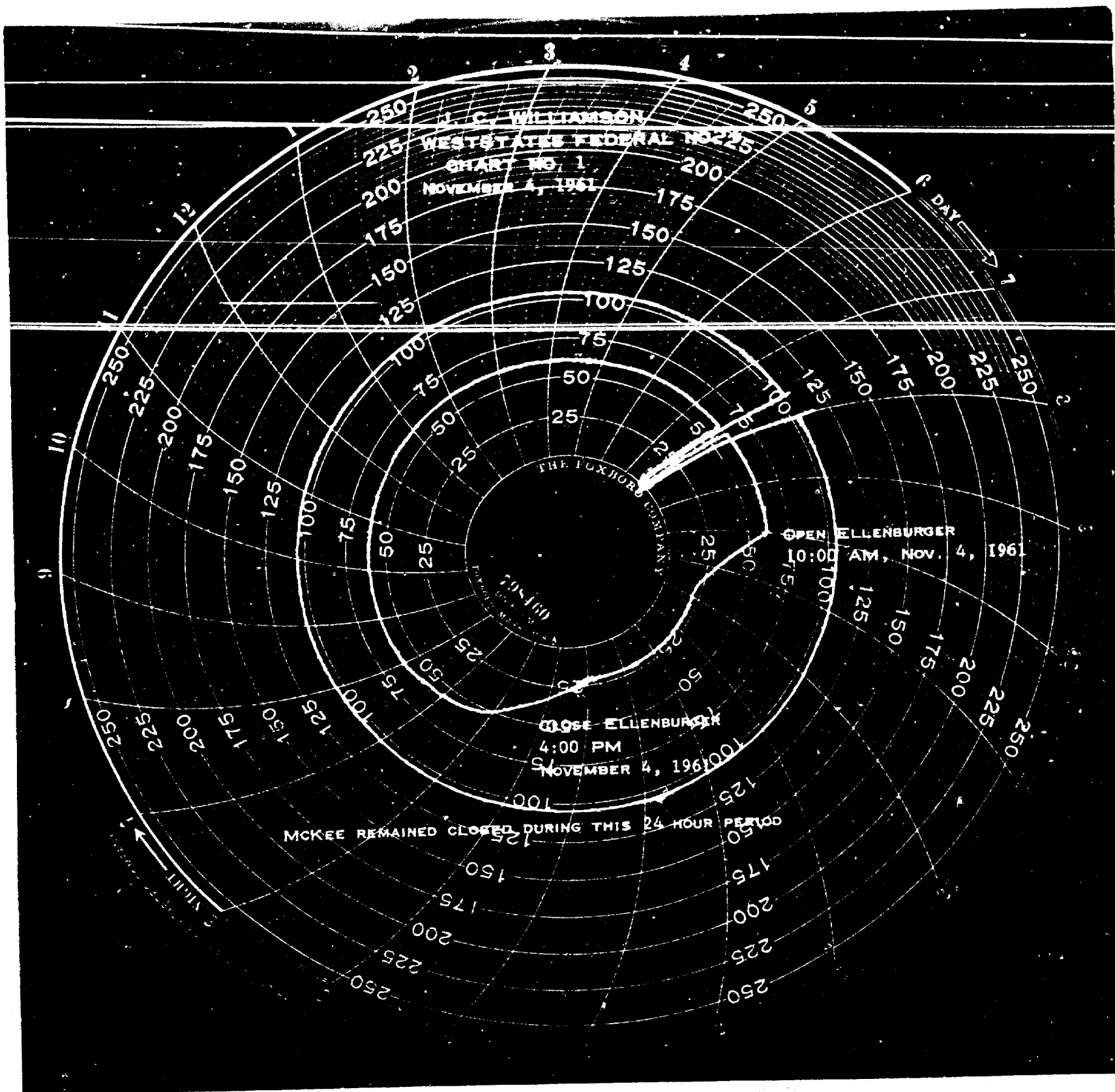
OPERATOR J.C. Williamson  
LEASE West States  
WELL NO. 6 (McKee)  
FIELD North Justice (McKee)  
DATE 11-6-61 TIME 10:35 A.M.

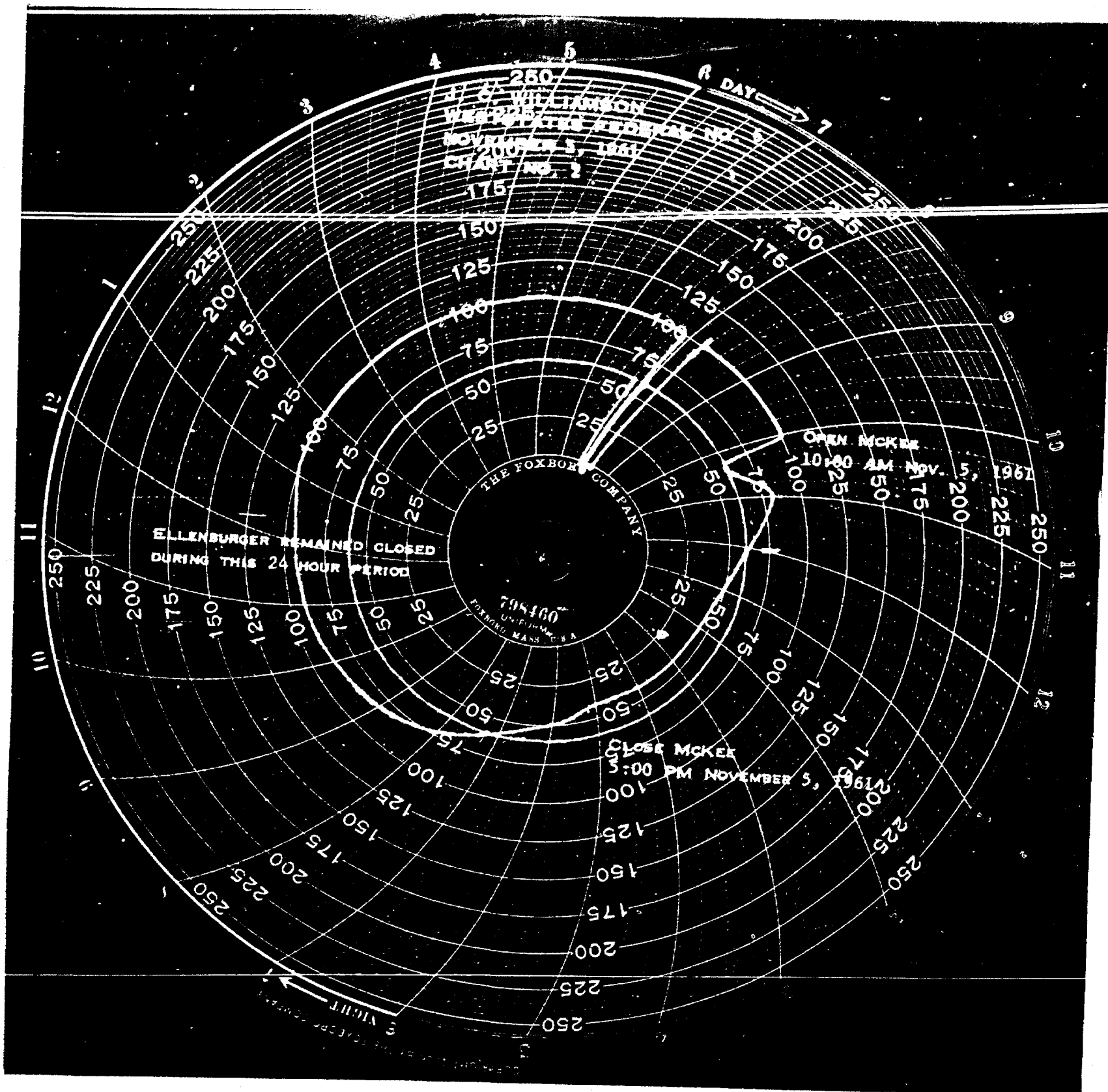
STATUS shut-in TEST DEPTH 7950  
TIME S.I. 27 Hrs. LAST TEST DATE Initial  
CAS. PRES. BHP LAST TEST  
TUB. PRES. 1015 BHP CHANGE  
ELEV. 3135 Gr. FLUID TOP 2000  
DATUM -4815 WATER TOP  
TEMP 121°F RUN BY C.M.  
CLOCK NO. 5899 GAUGE NO. 12434  
ELEMENT NO. 14150

DEPTH	PRESSURE	GRADIENT
000	1015	
2000	1277	.131
4000	1997	.310
6000	2495	.299
7000	2792	.297
7950	3093	.317

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 2437  
CASE NO. 2437









This form is not to be used for reporting packer leakage tests in Northwest New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator <b>J. C. WILLIAMSON</b>			Lease <b>WESTSTATES FEDERAL</b>			Well No. <b>6</b>	
Location of Well	Unit <b>D</b>	Sec <b>1</b>	Twp <b>25 SOUTH</b>	Rge <b>37 EAST</b>	County <b>LEA</b>		
	Name of Reservoir or Pool		Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Size	
Upper Compl	<b>NORTH JUSTICE MCKEE</b>		<b>OIL</b>	<b>FLOW</b>	<b>TUBING</b>	<b>16/64</b>	
Lower Compl	<b>NORTH JUSTICE ELLENBURGER</b>		<b>OIL</b>	<b>FLOW</b>	<b>TUBING</b>	<b>18/64</b>	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:00 AM NOVEMBER 3, 1961 8:00 AM

Well opened at (hour, date): 10:00 AM NOVEMBER 4, 1961 Completion Completion

Indicate by ( X ) the zone producing..... X

Pressure at beginning of test..... 1015 600

Stabilized? (Yes or No)..... YES YES

Maximum pressure during test..... 1015 600

Minimum pressure during test..... 1015 200

Pressure at conclusion of test..... 1015 200

Pressure change during test (Maximum minus Minimum)..... NONE 400

Was pressure change an increase or a decrease?..... NONE DECREASE

Well closed at (hour, date): 4:00 PM NOVEMBER 4, 1961 Total Time On Production 6 HRS.

Oil Production Gas Production

During Test: 47.5 bbls; Grav. 47.1 ; During Test 52.25 MCF; GOR 1100

Remarks NO WATER MADE DURING THIS TEST

FLOW TEST NO. 2

Well opened at (hour, date): 8:00 AM NOVEMBER 5, 1961 Upper Completion Lower Completion

Indicate by ( X ) the zone producing..... X

Pressure at beginning of test..... 1015 600

Stabilized? (Yes or No)..... YES YES

Maximum pressure during test..... 1015 600

Minimum pressure during test..... 410 600

Pressure at conclusion of test..... 410 600

Pressure change during test (Maximum minus Minimum)..... 605 NONE

Was pressure change an increase or a decrease?..... DECREASE NONE

Well closed at (hour, date): 5:00 PM NOVEMBER 5, 1961 Total time on Production 7 HRS.

Oil Production Gas Production

During Test: 77 bbls; Grav. 41.2 ; During Test 56.6 MCF; GOR 735

Remarks NO WATER PRODUCED DURING TEST

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

Approved

19

Operator J. C. WILLIAMSON



The second of the interviews led to the still shall again be shut-  
tled by the defendant with his hands behind

6. The zone for which the predicted zone should be used was indicated during this test run. The prediction for this test run is to be the same as for this test run, except that the previously predicted zone shall be taken into into the previously shut-in zone is predicted.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with a deadweight tester at least twice once at the beginning and once at the end of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Commission on Standard New Mexico Packer Leakage Test Form Revised 11-1-58, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating thereon all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

4. For flow test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

A full-page view of a blank sheet of graph paper. The page is covered by a uniform grid of small squares, typical of standard graph paper used for mathematics or engineering. The grid consists of approximately 20 columns and 20 rows of squares. The lines are thin and black, set against a white background. There are no margins, text, or other markings on the page.

# NEW MEXICO OIL CONSERVATION COMMISSION

## GAS-OIL RATIO REPORT

OPERATOR J. C. Williamson POOL Wildcat (Undesignated) Ellen.  
ADDRESS Box 16, Midland, Texas MONTH OF November, 1961  
SCHEDULED TEST \_\_\_\_\_ COMPLETION TEST X SPECIAL TEST \_\_\_\_\_ (Check One)  
(See Instructions on Reverse Side)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
Westates-Federal Ellen. Lower of a Dual completion	6	11/6	Flow	16/64	24	102	0	182	203.473	1118/1 ✓

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 6  
CASE NO. 2437

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 degrees F. Specific gravity base will be 0.60. 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 certify that the information given is true and complete to the best of my knowledge.)

Date November 7, 1961

By J. C. WILLIAMSON  
Company

Prod. Foreman  
Title

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR J. C. Williamson POOL Wildcat (Undesignated) McKee  
ADDRESS Box 16, Midland, Texas MONTH OF November, 19 61  
SCHEDULED TEST..... COMPLETION TEST X SPECIAL TEST..... (Check One)  
(See Instructions on Reverse Side)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
Westates-Federal McKee - Upper of a dual completion	6	11/6	Flow	15/64	24		0	266	194,180	730/1 ✓

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 6-2  
CASE NO. 2437

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 degrees F. Specific gravity base will be 0.60.

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 certify that the information given is true and complete to the best of my knowledge.)

Date November 7, 1961

J. C. WILLIAMSON

Company

By.....

Prod. Foreman

Title

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

November 20, 1961

EXAMINER HEARING

CASE NO.  
2437

IN THE MATTER OF:

Application of J. C. Williamson for a dual completion, Lea County, New Mexico. Applicant in the above-styled cause, seeks permission to complete the Westates-Federal Well No. 6, located in Unit D of Section 4, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the McKee and Ellenburger formations with the production of oil from both zones to be through parallel strings of 2 3/8-inch tubing.

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

EXAMINER NUTTER: We will call Case No. 2437.

MR. WHITFIELD: Application of J. C. Williamson for a dual completion, Lea County, New Mexico.

MR. KELLAHIN: Jason Kellahin of Kellahin & Fox representing the Applicant. We have one witness, Mr. Coleman.  
(Witness sworn.)

JOE A. COLEMAN,

called as a witness, having been first duly sworn on oath, was examined and testified as follows:

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691



DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Will you state your name, please.

A Joe A. Coleman.

Q What business are you engaged in, Mr. Coleman?

A Petroleum engineering.

Q Have you testified previously before the Oil Conservation Commission as a petroleum engineer and made your qualifications a matter of record?

A Yes, sir.

MR. KELLAHIN: Are the witness's qualifications acceptable?

EXAMINER NUTTER: Yes, sir; please proceed.

Q (by Mr. Kellahin) Mr. Coleman, as a petroleum engineer, have you been employed by J. C. Williamson in Case No. 2437?

A Yes, sir.

Q Would you state briefly what is proposed in this application?

A Briefly, this well has been dually completed. J. C. Williamson is asking for permission to dually complete this well.

Q The dual completion has already been made?

A Yes.

Q Are either of the zones involved presently being produced?

A The Ellenberger, in the bottom zone.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

DARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

(Applicant's Exhibit No. 1  
marked )

Q (by Mr. Keilahin) Referring to what has been marked Exhibit No. 1, would you discuss the information shown on that exhibit?

A Yes, sir. That's an ownership plat that gives the visual picture of where the well is located.

Q Does the plat also show the well location and the offsetting ownership?

A No. The location of that well is 330 feet from the North line and 330 feet from the West line of Section 1, 25 South, Range 37 East.

Q Does the plat show the offsetting ownership?

A Yes, sir.

(Applicant's Exhibit No. 2  
marked.)

Q (by Mr. Kellahin) Referring to Exhibit 2, would you identify and discuss the information shown on that exhibit?

A That is a gammatron log which shows the top of the formation in that area including the top of these two producing formations in question along with their perforations.

Q Do you have a diagrammatic sketch of the dual completion as it was made?

A Yes, sir.

(Applicant's Exhibit No. 3  
marked)



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

A This is a diagrammatic sketch showing casing size, casing point, cement, the amount of top tubing set, packer setting and type.

Q What type of packer did you use in the well?

A BP4H.

Q Is that a permanent-type packer?

A Yes, sir.

Q Mr. Coleman, is this a type of dual completion which has been approved in other instances by this Commission?

A Yes, sir, it is.

Q J. C. Williamson has another dual completion in this area?

A Yes, sir.

Q Is it the same type of dual completion?

A Exactly.

Q Have you made any bottomhole pressure tests on the two formations?

A Exhibit No. 4 shows the bottomhole pressure on the Ellenberger and McKee formations.

(Applicant's Exhibit No. 4 marked.)

Q (by Mr. Kellahin) What does the bottomhole pressure show?

A The Ellenberger bottomhole pressure is at 8400, 2740 psig. The McKee bottomhole pressure at 7950 feet is 3093 psig.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

Q Would that cause any difficulty?

A No.

Q Have you run any packer leakage tests?

A Exhibit 5.

(Applicant's Exhibit No. 5

marked.)

A A test was conducted on the mentioned well and it indicates that the packer is serving its purpose in the well and that tubing and various and sundry other items are not leaking.

Q Was that test run in conformity with the rules and regulations of the Oil Conservation Commission?

A Yes, sir.

Q Have the results been filed with the Commission?

A Yes, sir.

Q Have you run any production tests in the well?

A Yes, sir.

(Applicant's Exhibit No. 6

marked.)

A Exhibit No. 6 which has been shown on gas-oil ratio test. It outlines production from the two producing zones.

Q What information is shown on that exhibit?

A The Ellenberger formation on the eleven-sixty-four choke produced 182 barrels of oil of 47 gravity, 203.47 MCF gas per day giving a GOR of 1118. The McKee formation, producing on a eleven-sixty-fourths-inch choke produced 266 barrels





DEARNLEY-MEIER REPORTING SERVICE, Inc.

ARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

of oil, 41 gravity, 194,180 MCF per day with a GCR of 730.

Q Were Exhibits 1 through 6 prepared by you or under your supervision?

A Some, and most of the information was assembled by me.

Q Have you examined all the information shown on the exhibits?

A Yes, sir.

Q In your opinion, does it correctly reflect the facts as they exist?

A Yes, sir, it does.

MR. KELLAHIN: We offer in evidence Exhibits 1 through 6.

EXAMINER NUTTER: What is Exhibit No. 6?

MR. KELLAHIN: Production test.

EXAMINER NUTTER: Both sheets?

MR. KELLAHIN: Yes.

EXAMINER NUTTER: Applicant's Exhibits 1 through 6 will be entered in evidence.

MR. KELLAHIN: That's all the questions I have of the witness.

EXAMINER NUTTER: Are there any questions of Mr. Coleman?

CROSS EXAMINATION

BY EXAMINER NUTTER:

Q Is this a Federal lease?

A Yes, sir.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1102

ALBUQUERQUE, N. M.  
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Q Has the USGS expressed any concern over the cementing program used on this well?

A They expressed some concern over that. I believe it is shown on the schematic diagram and the well -- the casing was perforated and cement squeezed.

Q The casing was perforated?

A Yes, sir.

Q And cement squeezed around the pipe?

A Yes, sir.

Q What is the top of the cement at the present time on the long string of casing?

A Seven-inch casing with the top of the cement at 5450.

Q Where was it perforated and squeezed?

A That was the nine and five-eighths that was perforated and squeezed.

Q Is the top of the cement on the seven-inch at 5450?

A Yes, sir.

Q Are there any zones which are productive or potentially productive in this well above 5450 but below 5245?

A There are shallow wells in that area, oil wells, that I am not qualified to say at the present time how they stand as far as depth is concerned.

Q You don't know whether there is any productive formation between 5245 and 5450?

A No, sir.



EXAMINER NUTTER: Are there any further questions of  
Mr. Coleman?

He may be excused.

(Witness excused.)

MR. KELLAHIN: That's all we have.

EXAMINER NUTTER: Does anyone have anything they wish  
to offer in Case No. 2437?

We will take the case under advisement.

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DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691



## DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182ALBUQUERQUE, N. M.  
PHONE 243-6691STATE OF NEW MEXICO )  
 ) ss.  
COUNTY OF SAN JUAN )

I, THOMAS F. HORNE, NOTARY PUBLIC in and for the County of San Juan, State of New Mexico, do hereby certify that the foregoing and attached transcript of hearing was reported by me in stenotype and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

*Thomas F. Horne*  
NOTARY PUBLIC

My Commission Expires:

October 2, 1965

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. 2437  
heard by me on 11/29, 1964.

*Examiner*  
New Mexico Oil Conservation Commission

