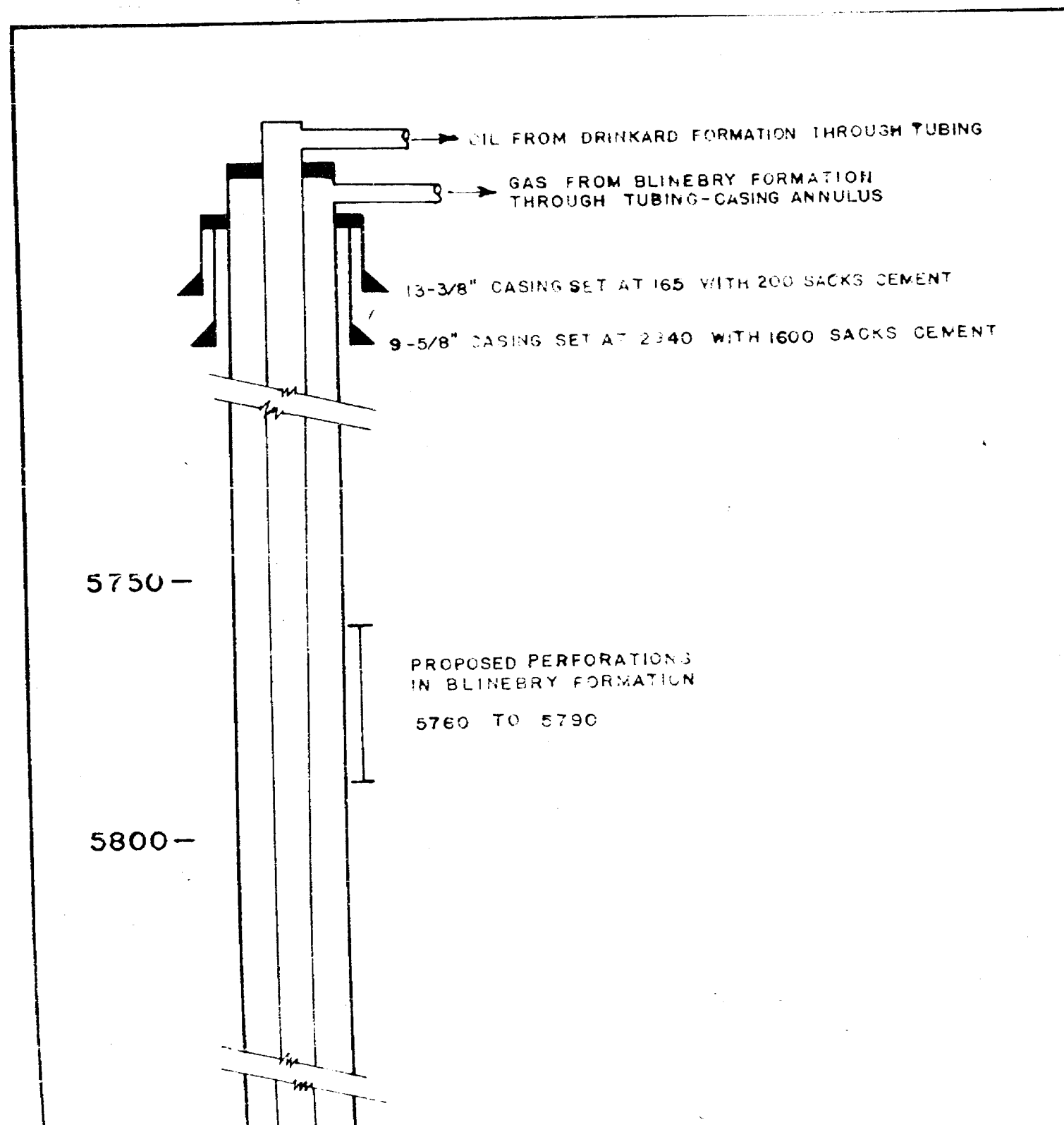


Case No.

413

Application, Transcript,  
Small Exhibits, Etc.



6600 —

BAKER TUBING RECEPTACLE  
SET AT APPROXIMATELY 6614'

BAKER REMOVABLE CHECK VALVE (OR EQUIVALENT)  
SET AT APPROXIMATELY 6620'

BAKER RETAINER PRODUCTION PACKER  
SET AT 6620'

AZTEC OIL & GAS CO.  
STATE NO. 1  
SKETCH SHOWING  
PROPOSED DUAL COMPLETION  
OIL FROM DRINKARD FORMATION  
GAS FROM BLINEBRY FORMATION

6650 —

EXISTING PERFORATIONS  
IN DRINKARD FORMATION:

6691-6687

6693-6699

6703-6709

6715-6721

6730-6736

6700 —

6750 —

TUBING PERFORATIONS

7" CASING SET AT 6810' WITH 600 SACKS CEMENT  
PBTD 6774'

*Ex #3 Case 412-3*  
*Aslee*

PRW 9-7-52

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. 413  
ORDER NO. R-210

THE APPLICATION OF AZTEC OIL AND  
GAS COMPANY FOR AN ORDER GRANTING  
PERMISSION TO DUALY COMPLETE AND  
PRODUCE ITS STATE NO. 1 WELL, IN THE  
DRINKARD POOL, LOCATED 4620 FEET FROM  
THE NORTH AND EAST LINES OF SECTION 2,  
TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM,  
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a. m. on October 15, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this *20<sup>th</sup>* day of *October*, 1952, the Commission, a quorum being present, having considered the records and the testimony adduced, and being fully advised in the premises,

FINDS:

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

(2) That applicant's State No. 1 well, located 4620 feet from the north and east lines of Section 2, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, was completed in June 1949, as an oil well producing from the Drinkard formation through perforations (6681' - 6736') having drilled through the Blinbry gas zone (5760' - 5790').

(3) That although recent experiments tend to show that mechanical packers and other devices are ordinarily available for successful dual/multiple completions of oil - gas wells, the Commission is unconvinced of the soundness, as a waste-prevention practice, of such dual/multiple completions as a general practice in New Mexico without specific controls over each such project.

IT IS THEREFORE ORDERED:

THAT the applicant herein, Aztec Oil and Gas Company, be and it hereby is authorized to dually complete and produce its State No. 1 well, located 4620 feet from the north and east lines of Section 2, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, in the Drinkard Pool, in such a manner that gas from the Blinbry formation may be produced through the annular space between the casing and tubing, and oil from

the Drinkard formation through the tubing by proper perforations and installation of proper packer or packers;

PROVIDED, HOWEVER, That subject well shall be completed, and thereafter produced, in such a manner that there will be no commingling within the well bore, either within or outside the casing, of gas, oil and gas, or oil produced from either or both of the separate strata, and,

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used, at any time, as may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil ratio thereof determined, and,

PROVIDED FURTHER, That the operator applicant shall make any and all tests, including segregation tests, but not excluding other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of the Commission and by representatives of offset operators, if any there be, at their election, and the results of each test properly attested to by the applicant herein and all witnesses, and shall be filed with the Commission within ten (10) days after the completion of such test, and,

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas/oil ratio and reservoir pressure determination of each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing, the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Edwin L. Mechem*  
EDWIN L. MECHEM, Chairman

*Guy Shepard*  
GUY SHEPARD, Member

*R. R. Spurrer*  
R. R. SPURRIER, Secretary

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

October 28, 1952

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P

Y

Mr. Quilman Davis  
Astec Oil and Gas Company  
Burt Building  
Dallas, Texas

Dear Mr. Davis: RE: Cases 412 and 413

We enclosed official copies of Orders R-209 and R-210 as  
issued in the above cases.

Yours very truly,

W. B. Macey,  
Chief Engineer

WEM:mr

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF AZTEC  
OIL & GAS COMPANY FOR AN ORDER GRANTING  
PERMISSION TO DUALLY COMPLETE ITS STATE  
NO. 1 WELL, DRINKARD POOL, 4620 FEET FROM  
THE NORTH LINE AND 4620 FEET FROM THE EAST  
LINE OF SECTION 2, TOWNSHIP 21 SOUTH,  
RANGE 37 EAST, N.M.P.M., LEA COUNTY, NEW  
MEXICO.

CASE NO. 413

APPLICATION

Comes now Aztec Oil & Gas Company, Applicant, and respectfully petitions the Commission for the issuance of an order authorizing Applicant to dually complete its State No. 1 well in the manner as hereinafter provided.

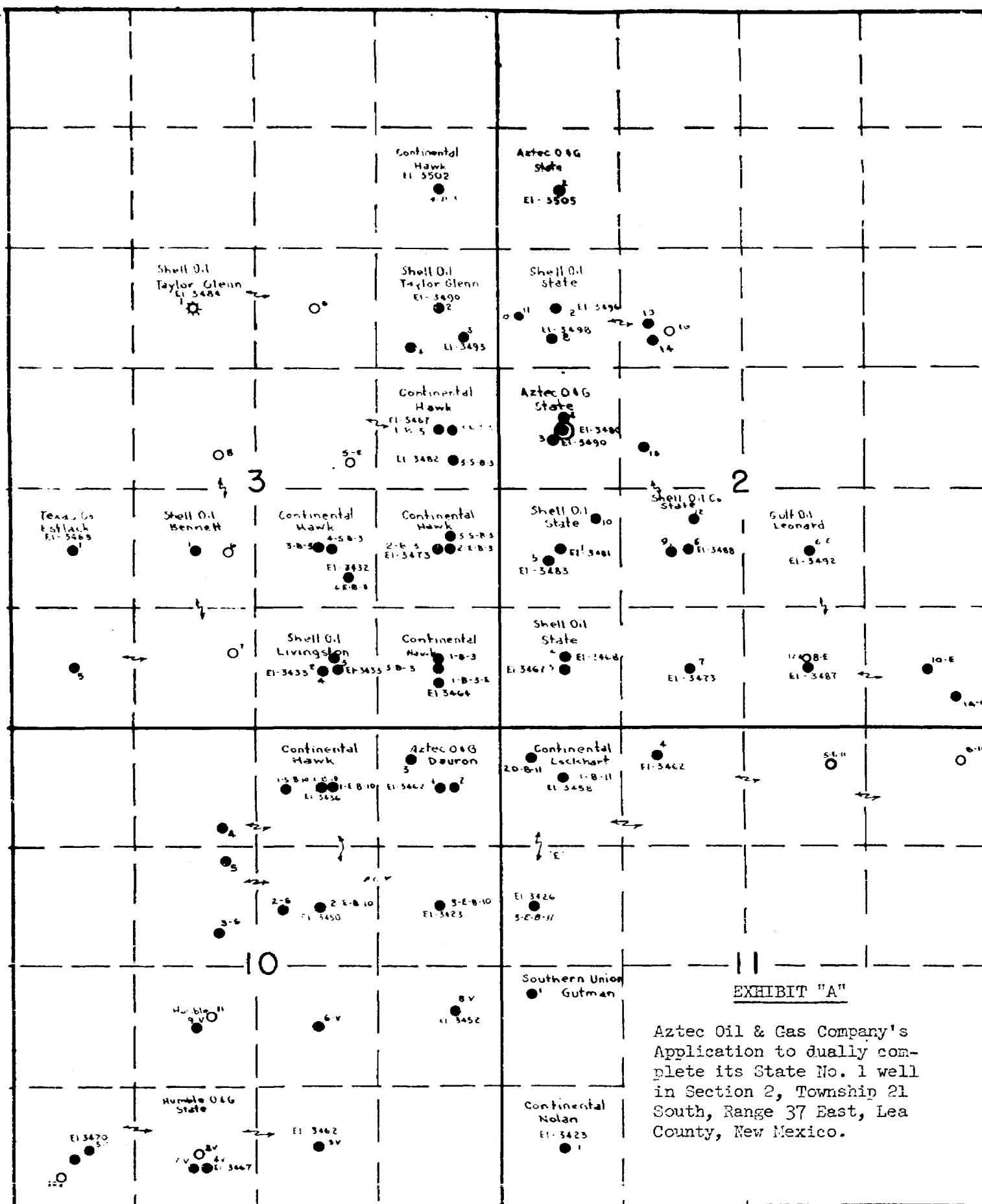
In support of the above, Applicant alleges and states:

1. That on June 17, 1949, Applicant completed its State No. 1 well, located 4620 feet South of the North line and 4620 feet West of the East line of Section 2, Township 21 South, Range 37 East, N.M.P.M., Lea County, New Mexico.
2. That said well is presently producing oil from the Drinkard formation between the interval of 6630 feet to 6790 feet.
3. That said well was drilled to a total depth of 6810 feet and is equipped with an intermediate string of 9-5/8" casing set at 2939 feet cemented with 1600 sacks of cement, and a production string of 7" casing set and cemented with 600 sacks of cement at 6810 feet.
4. Applicant represents that a high-pressure gas zone exists in the Blinebry formation in the area of Applicant's well and that such zone is producing gas from other dually completed wells in such area.
5. Applicant further represents that it is practical and economically feasible to dually complete its State No. 1 well to produce oil from the Drinkard formation through the tubing, and gas from the Blinebry gas formation through the tubing-casing annulus with proper packing and wellhead connections, and in such manner that there will be no commingling of fluids between the two reservoirs.
6. That Applicant proposes to complete its State No. 1 well in the Blinebry formation by perforation of the casing between the depths of 5745 feet and 5790 feet.
7. Attached hereto is a plat showing the location of the well proposed for dual completion and surrounding wells and leaseholds.

Wherefore, Applicant respectfully requests that this matter be set down for hearing; that notice thereof be given as required by law and the regulations of the Commission; and that upon final hearing this Commission enter an order authorizing Applicant to dually complete said well in accordance with the foregoing petition and the rules and regulations of the Commission.

DONE at Dallas, Texas, on this the 28th day of August, 1952.

  
Quilman B. Davis  
Attorney for Aztec Oil & Gas Company





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