

**BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO**

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

**CASE NO. 801
Order No. R-590**

**THE APPLICATION OF SKELLY OIL
COMPANY FOR AN ORDER GRANTING
PERMISSION TO DUALY COMPLETE
ITS BAKER "B" WELL NO. 15 IN THE
BLINEBRY GAS POOL AND THE TUBB
GAS POOL, AND TO ESTABLISH A 240-
ACRE NON-STANDARD GAS PRORATION
UNIT CONSISTING OF THE SW/4 AND
THE W/2 SE/4 OF SECTION 10, TOWNSHIP
22 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 December 16, 1954, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this 25th day of February 1955, the Commission, a quorum being present, having considered the evidence and testimony adduced, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Skelly Oil Company, is owner of an oil and gas lease in Lea County, New Mexico, the land consisting of:

**TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SW/4, W/2 SE/4 of Section 10**

containing 240 acres, more or less, lying within the horizontal limits of the Blinebry and Tubb Gas Pools.

(3) That additional testimony and evidence are necessary with regard to the formation of a proration unit in excess of 160-acres in either the Blinebry or Tubb Gas Pools, to enable the Commission to render a decision on this portion of the application.

(4) That the mechanics of the proposed dual completion as outlined by applicant are feasible and in good practice.

IT IS THEREFORE ORDERED:

(1) That the portion of the case concerned with the formation of a non-standard gas proration unit in the Tubb and Blinbry Gas Pools be, and the same hereby is, reopened for hearing before the Commission.

(2) That said hearing shall be held at Santa Fe, New Mexico, on March 16, 1955, at which time and place additional testimony and evidence will be received in this cause.

IT IS FURTHER ORDERED:

That the applicant herein, Skelly Oil Company, be and it hereby is authorized to dually complete and produce its Baker "B" Well No. 15, located in the NW/4 SE/4 of Section 10, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, in such a manner that the gas from the Tubb formation of the Tubb Gas Pool may be produced through the tubing from below the packer, and the gas from the Blinbry formation of the Blinbry Gas Pool may be produced through a second string of tubing from perforations above the packer; by proper perforation of the casing, and the installation of a suitable down-hole packer and suitable surface wellhead equipment for separating, and maintaining the separation of the gas from the Blinbry zone and the gas from the Tubb zone.

PROVIDED, HOWEVER, That upon the actual dual completion of such subject well applicant shall submit to the District Office of the Commission in which the subject well is located Form C-103, Form C-104, Form C-110 and Form C-122 outlining the information required on these forms by existing Rules and Regulations.

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 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,

-3-

Case No. 801

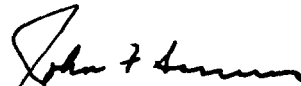
Order No. R-590

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.

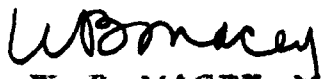
**STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION**



JOHN F. SIMMS, Chairman



E. S. WALKER, Member



W. B. MACEY, Member and Secretary



**BEFORE THE OIL CONSERVATION COMMISSION
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**IN THE MATTER OF THE HEARING
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**CASE NO. 801
Order No. R-590-A**

**THE APPLICATION OF SKELLY OIL
COMPANY FOR AN ORDER GRANTING
PERMISSION TO DUALY COMPLETE ITS
BAKER "B" WELL NO. 15, IN THE BLINEBRY
GAS POOL AND THE TUBB GAS POOL, AND
TO ESTABLISH A 240-ACRE NON-STANDARD
GAS PRORATION UNIT CONSISTING OF THE
SW/4, AND W/2 SE/4 OF SECTION 10, TOWN-
SHIP 22 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 December 16, 1954, and March 16, 1955, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this 20th day of April, 1955, the Commission, a quorum being present, having considered the evidence and testimony adduced, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Skelly Oil Company, is owner of an oil and gas lease in Lea County, New Mexico, the land consisting of:

**TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SW/4, W/2 SE/4 of Section 10**

containing 240 acres more or less, lying within the horizontal limits of the Blinebry and Tubb Gas Pools.

(3) That applicant, Skelly Oil Company, has a well on the afore-said lease known as the Baker "B" Well No. 15, located 1830' from the south line and 2130' from the east line of Section 10, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico.

(4) That on February 25, 1955, the Commission entered Order No. R-590 which granted permission to dualy complete said well in the Blinebry and Tubb Gas Pools, and said order remanded that portion of the

application dealing with the formation of the non-standard gas proration unit for rehearing on March 16, 1955.

(5) That pursuant to the provisions of Rule 7 (a) of Order No. R-372-A and Order R-373-A, the Commission has power and authority to permit the formation of a gas proration unit consisting of other than a legal quarter section after notice and hearing by the Commission.

(6) That the above-described 240-acre lease is productive of gas from the Blinebry and Tubb Gas Pools.

(7) That it is impractical to pool applicant's said lease with adjoining acreage in the Blinebry or Tubb Gas Pools, and owners of adjoining acreage in said area have not objected to formation of the proposed proration unit.

(8) That unless a proration unit consisting of applicant's aforesaid acreage is permitted, applicant will be deprived of the opportunity to recover its just and equitable share of natural gas from the Tubb and Blinebry Gas Pools.

(9) That the creation of a proration unit consisting of applicant's aforesaid acreage will not cause but will prevent waste and will protect correlative rights.

IT IS THEREFORE ORDERED:

1. That the application of the Skelly Oil Company for approval of a non-standard gas proration unit in the Tubb Gas Pool, consisting of the following described acreage:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SW/4, W/2 SE/4 of Section 10

containing 240 acres more or less, be and the same is hereby approved, and a proration unit comprising the aforesaid acreage is hereby created in the Tubb Gas Pool.

2. That the application of Skelly Oil Company for approval of a non-standard gas proration unit in the Blinebry Gas Pool consisting of the following described acreage:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SW/4, W/2 SE/4 of Section 10

containing 240 acres, more or less, be and the same is hereby approved, and a 240-acre proration unit comprising the aforesaid acreage is hereby created in the Blinebry Gas Pool.

-3-

Order No. R-590-A

3. That applicant's well, Baker "B" Well No. 15, located in the NW/4 SE/4 of Section 10, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, shall be granted an allowable in the proportion that the above 240-acre unit bears to the standard or orthodox proration unit for the respective pools, all until further order of the Commission.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John F. Simms

JOHN F. SIMMS, Chairman

E. S. Walker

E. S. WALKER, Member

W. B. Macey

W. B. MACEY, Member and Secretary



LANE RADIOACTIVITY LOG WELLS

COMPANY

FILE NO.

Location of Well

COMPANY: SKELLY OIL COMPANY

WELL: BAKER "B" NO. 15

FIELD: EUNICE

COUNTY: LEA STATE: N. MEX.

LOCATION: 1830' PSL & 2130' FEL OF

SECTION 10, T-22-S, R-37-E

COMPANY: SKELLY OIL COMPANY
WELL: BAKER "B" NO. 15
FIELD: EUNICE
COUNTY: LEA STATE: N. MEX.
LOCATION:

LOG MEAS. FROM ROTARY DRIVE BUSHING + 1' ELEV. 3397

DRLG. MEAS. FROM ROTARY DRIVE BUSHING + 1' ELEV. 3397

PERM. DATUM GROUND LEVEL ELEV. 3386

TYPE OF LOG

RUN NO.

DATE

TOTAL DEPTH (DRILLER) STRAIN

EFFECTIVE DEPTH (DRILLER)

TOP OF LOGGED INTERVAL

BOTTOM OF LOGGED INTERVAL

TYPE OF FLUID IN HOLE

FLUID LEVEL

MAXIMUM RECORDED TEMP.

NEUTRON SOURCE STRENGTH & TYPE

SOURCE SPACING — IN.

LENGTH OF MEASURING DEVICE — IN.

O.D. OF INSTRUMENT — IN.

TIME CONSTANT — SECONDS

LOGGING SPEED FT./MIN.

STATISTICAL VARIATION — IN.

SENSITIVITY REFERENCE

RECORDED BY

WITNESSED BY

GAMMA RAY

ONE-NW

12-13-54

6100

6100

SURFACE

6091

MUD

FULL

NEUTRON

ONE-NW

12-13-54

6100

6100

SURFACE

6100

MUD

FULL

600N

8.25

9.1"

3 5/8"

3.0

20

275

DAWSON

CALHOUN

Spudded: 11-11-54

Completed: 12-21-54

HIPF:

Blinbry: 4,700MCF

+ 96BDPD

BHP: 2325 lb

Tubbs: 2,365MCF

+ 24BDPD

BHP 2394 lb

CASING RECORD

| RUN NO. | BIT SIZE | CASING | WT.—LB. | FROM WELL RECORD | FROM R/A LOG |
|---------|----------|--------|---------|------------------|-----------------|
| ONE | 12 1/4" | 9 5/8" | | SURFACE TO 2810 | SURFACE TO 2807 |
| ONE | 8 3/4" | 7" | | SURFACE TO 6100 | SURFACE TO 6102 |
| | | | | TO | TO |
| | | | | TO | TO |
| | | | | TO | TO |

LANE RADIOACTIVITY LOG WELLS COMPANY

FILE NO.

| | | | |
|------------------|---|-----------------------------|---|
| Location of Well | COMPANY: SKELLY OIL COMPANY | COMPANY: SKELLY OIL COMPANY | |
| | WELL: BAKER "B" NO. 15 | | WELL: BAKER "B" NO. 15 |
| | FIELD: KUNICE | | FIELD: KUNICE |
| | COUNTY: LEA STATE: N MEX. | | COUNTY: LEA STATE: N MEX. |
| | LOCATION: 1830' PSL & 2130' FEL OF SECTION 10, T-22-S, R-37-E | | LOCATION: 1830' PSL & 2130' FEL OF SECTION 10, T-22-S, R-37-E |
| LOG MEAS. FROM | ROTARY DRIVE BUSHING + 1' ELEV. 3397 | STATE: N MEX. | |
| DRLG. MEAS. FROM | ROTARY DRIVE BUSHING + 1' ELEV. 3397 | | |
| PERM. DATUM | GROUND LEVEL ELEV. 3386 | | |

| | | | |
|----------------------------------|-----------|----------|---------------------|
| TYPE OF LOG | GAMMA RAY | NEUTRON | Spudded: 11-11-54 |
| RUN NO. | ONE-NW | ONE-NW | Completed: 12-21-54 |
| DATE | 12-13-54 | 12-13-54 | |
| TOTAL DEPTH (DRILLER) | 6100 | 6100 | HIPF: |
| EFFECTIVE DEPTH (DRILLER) | 6100 | 6100 | Blincbry: 4,700MCF |
| TOP OF LOGGED INTERVAL | SURFACE | SURFACE | + 96BDPD |
| BOTTOM OF LOGGED INTERVAL | 6091 | 6100 | BHP: 2325# |
| TYPE OF FLUID IN HOLE | MUD | MUD | |
| FLUID LEVEL | FULL | FULL | Tubbs: 2,365MCF |
| MAXIMUM RECORDED TEMP. | | | + 24BDPD |
| NEUTRON SOURCE STRENGTH & TYPE | | 600N | BHP 2394# |
| SOURCE SPACING — IN. | | 8.25 | |
| LENGTH OF MEASURING DEVICE — IN. | 36" | 9.1" | |
| O.D. OF INSTRUMENT — IN. | 3 5/8" | 3 5/8" | |
| TIME CONSTANT — SECONDS | 5.0 | 3.0 | |
| LOGGING SPEED FT./MIN. | 20 | 20 | |
| STATISTICAL VARIATION — IN. | | | |
| SENSITIVITY REFERENCE | 274 | 275 | |
| RECORDED BY | ELLIS & | DAWSON | |
| WITNESSED BY | CALHOUN | CALHOUN | |

CASING RECORD

| RUN NO. | BIT SIZE | CASING | WT.—LB. | FROM WELL RECORD | FROM R/A LOG |
|---------|----------|--------|---------|------------------|-----------------|
| ONE | 12 1/4" | 9 5/8" | | SURFACE TO 2810 | SURFACE TO 2807 |
| ONE | 8 3/4" | 7" | | SURFACE TO 6100 | SURFACE TO 6102 |
| | | | | TO | TO |
| | | | | TO | TO |
| | | | | TO | TO |