

DOCKET: EXAMINER HEARING NOVEMBER 6, 1958Oil Conservation Commission 9 a.m., Mabry Hall, State Capitol, Santa Fe

The following cases will be heard before Daniel S. Nutter, Examiner:

CASE 1541:

Application of Continental Oil Company for a 320-acre non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 320-acre non-standard gas proration unit in the Jalmat Gas Pool consisting of the S/2 of Section 33, Township 22 South, Range 36 East, Lea County, New Mexico, said unit to be dedicated to the applicant's Meyer B-33 No. 1 Well, located 660 feet from the South and West lines of said Section 33.

CASE 1542:

Application of Atlantic Refining Company for an exception to Rule 309 (a) of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from all wells now completed or hereafter drilled in the Horseshoe-Gallup Oil Pool on the following described lands in San Juan County, New Mexico:

TOWNSHIP 31 NORTH, RANGE 16 WEST

All of Sections 29, 30, 31 and 32,
and all of those portions of Sections
28 and 33 lying within the Navajo
Indian Reservation.

CASE 1543:

Application of Drilling and Exploration Company, Inc. for an exception to the casing requirements for the potash-oil area in Lea and Eddy Counties, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing an exception to the shallow-zone casing requirements for the potash-oil area as set forth in Order No. R-111-A for its Ballard No. 1 Well located 1980 feet from the North and West lines of Section 27, Township 20 South, Range 34 East, Lea County, New Mexico. Applicant proposes to drill with cable tools to an approximate depth of 3,700 feet adjacent to the Lynch Pool.

It is proposed to use the following casing program in lieu of the program prescribed for cable tool holes by Order R-111-A:

1. 13 3/8 inch casing to be cemented at approximately 70 feet.
2. 10 3/4 inch casing to be landed at approximately 700 feet.
3. 8 5/8 inch casing to be landed at approximately 1250 feet.
4. 5 1/2 inch casing to be cemented at the top of the producing formation with 50 sacks cement for testing purposes.
5. 10 3/4 inch casing and 8 5/8 inch casing to be pulled.
6. In the event commercial production is obtained, 5 1/2 inch casing to be perforated and cement circulated to surface.

11/15/58 10:30
JASON W. KELLAHIN
ROBERT E. FOX

KELLAHIN AND FOX
ATTORNEYS AT LAW
54½ EAST SAN FRANCISCO STREET
POST OFFICE BOX 1713
SANTA FE, NEW MEXICO

TELEPHONES
YUCCA 3-9396
YUCCA 2-2266

NOV 15 1958
Nov. 15, 1958

Mr. Daniel S. Nutter
Oil Conservation Commission of
New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: OCC Case No. 1541

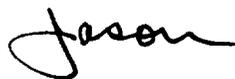
Dear Dan:

In the presentation of the above case, leave was asked and granted to file an amended exhibit in place of Exhibit No. 4 presented at the hearing.

Enclosed is the amended Exhibit No. 4 for filing in Case No. 1541, being a copy of the deliverability test on Contiantal Oil Company's Meyer B-33 Well No. 1, dated March 7 and March 14, 1958.

With thanks for your consideration in this matter.

Yours very truly,



Jason W. Kellahin

JWK:ss
Encl.

NEW MEXICO OIL CONSERVATION COMMISSION
 One-point Back Pressure Test for Gas Wells
 (Deliverability)

Form C-122-C
 4-1-54

Pool Jalmat Formation Yates County Lea
 Initial Annual Special Date of test 3-7/3-14-58
 Company Continental Oil Company Lease Meyer B-33 Well No. 1
 Unit M Sec. 33 Twp. 22 Rge. 36 Purchaser El Paso Nat. Gas Company
 Casing 5 1/2wt. 14 I.D. 5.012 Set at 3508 Perf. 3056 To 3180
 Tubing 2 1/2wt. 6.5 I.D. Set at Perf. To
 Gas Pay: From 3056 To 3180 L 2903 x G .680 = GL 1974 Bar.Press. 13.2
 Producing Thru: Casing Tubing Type Well Single
Single- Bradenhead-G.G. or G.O. Dual

FLOW DATA

Started		Taken		Duration Hours	Type Taps	Line Size	Orifice Size	Static Press.	Differ- ential	Flow Temp.
Date	time	Date	time							
3-7	8:00 AM	3-10	8:00 AM	24	Flg	4"	1.500	477	9.00	60
	PM		PM							

FLOW CALCULATIONS

Static Pressure P _f	Differ- ential h _w	Meter Extension √P _f h _w	24-Hour Coeff- icient	Gravity Factor F _g	Temp. Factor F _t	Compress- ability F _{pv}	Rate of Flow MCF/Da. @ 15.025 psia Q
490.2	9.00	66.42	13.99	.9393	1.000	1.058	924

SHUT-IN DATA

Shut-in		Press. Taken		Duration Hours	Wellhead Pressure (P _c) psia		W.H. Working Pressure (P _w) and (P _t) psia	
Date	Time	Date	Time		Tubing	Casing	Tubing	Casing
3-11	8:00 AM	3-14	8:00 AM	72	598.2		491.2	
	PM		PM					

FLOW DATA

FRICITION CALCULATIONS(if necessary)

$$P_w \left[(491.2)^2 \div (5.866 \times 924)^2 (.127) \right]^{1/2} = 495.0$$

SUMMARY

P_c = 598.2 psia
 Q = 924 MCF/Da.
 P_w = 495.0 psia
 P_d = 478.6 psia
 D = 1,023 MCF/Da.

DELIVERABILITY CALCULATIONS

P_w 495.0 P_c 598.2 P_w + P_c .8274

$$1 - \frac{P_w}{P_c} = .1726 \quad 1 + \frac{P_w}{P_c} = 1.8274 \quad \left(1 - \frac{P_w}{P_c}\right) \left(1 + \frac{P_w}{P_c}\right) = M = .3154$$

.36 + M 1.141 Log 0.0572856 x (n) .771 = 0.0441671 +

Log Q = 2.9656720
 Log D = 3,0098391
 Antilog = 1,023 = D

COMPANY Continental Oil Company
 ADDRESS Box 68, Eunice, New Mexico
 AGENT and TITLE
 WITNESSED
 COMPANY

REMARKS

*Corrected test
 submitted after the hearing
 as an amended exhibit*

NEW MEXICO OIL CONSERVATION COMMISSION
 One-point Back Pressure Test for Gas Wells
 (Deliverability)

Form C-122-C
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Pool Jalmat Formation Yates County Lea
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 Company Continental Oil Company Lease Meyer B-33 Well No. 1
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FRICITION CALCULATIONS(if necessary)

$$P_w \left[(491.2)^2 / (5.866 \times 924)^2 (.127) \right]^{1/2} = 495.0$$

SUMMARY

P_c = 598.2 psia
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$$.36 + M = 1.141 \quad \text{Log } 0.0572856 \quad x(n) = .771 \quad = 0.0441671 +$$

Log Q = 2.9656720
 Log D = 3,0098391
 Antilog = 1,023 = D

COMPANY Continental Oil Company
 ADDRESS Box 68, Eunice, New Mexico
 AGENT and TITLE
 WITNESSED
 COMPANY

REMARKS

Case 1541



CONTINENTAL OIL COMPANY

825 PETROLEUM BUILDING
ROSWELL, NEW MEXICO

October 7, 1958

R. L. ADAMS
DIVISION SUPERINTENDENT
OF PRODUCTION
NEW MEXICO DIVISION

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr., Secretary-Director

Gentlemen:

Attached are three copies of Continental Oil Company's application for an exception to Rule 5 (a) of the Special Rules and Regulations for the Jalmat Gas Pool, contained in Order No. R-520, for the enlargement of the presently approved 160-acre unit to a non-standard gas proration unit of 320 acres, consisting of the S/2 of Section 33, T-22S, R-36E, NMPM, Lea County, New Mexico, to be allocated to its Meyer B-33 Well No. 1.

It is respectfully requested that this matter be set for hearing at the earliest convenient date.

Yours very truly,

RLA-JC

*Docket Mailed
10-7-58
BP*