

(SUBMIT IN TRIPLICATE)

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

Budget Form No. 42-2100-1
Approval expires 12-31-58.

Land Office Las Cruces

Lease No. R M 082

Unit Trona

SEP 5 1958

U. S. GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Henry I. Ballard

September 3, 1958

Well No. 1 is located 1000 ft. from N line and 1000 ft. from W line of sec. 27

27 Section 27
(Of Sec. and Sub. No.)

27
(Top.)

24
(Range)

107N
(Meridian)

Lynah
(Field)

Lea
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

We propose to drill at the above location with cable tools to an approximate depth of 3700 feet in the Yates-Seven Rivers. Contingent upon approval by the Oil Conservation Commission for an exception to Order R-111-1 (see application attached) we propose the following casing program: 15 3/8" casing to be cemented at approximately 70 feet with 100 sacks cement; 10 3/4" casing to be mudged at approximately 700 feet; 8 5/8" casing to be mudged at approximately 1200 feet; 5 1/2" oil string to be landed at top of producing formation and tacked with 90 sacks; 10 3/4" casing and 8 5/8" casing to be pulled; 5 1/2" casing to be cemented to surface if commercial production is obtained. The well to be tested natural and if necessary to be treated with regular acid and sandfree.

A previous application to drill a Ballard No. 1 was filed and approved November 20, 1957 and recorded under the 90 day rule.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Drilling & Exploration Company, Inc.

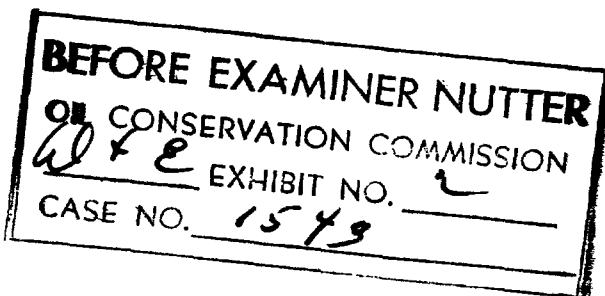
Address Box 2075

Edbo, New Mexico

By D. C. Calkins

Title Division Prod. Superintendent

GPO 9 16 507



NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

RECEIVED
Revised 5/1/57
SEP 3 1958

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

Section A.

Date 8-30-58

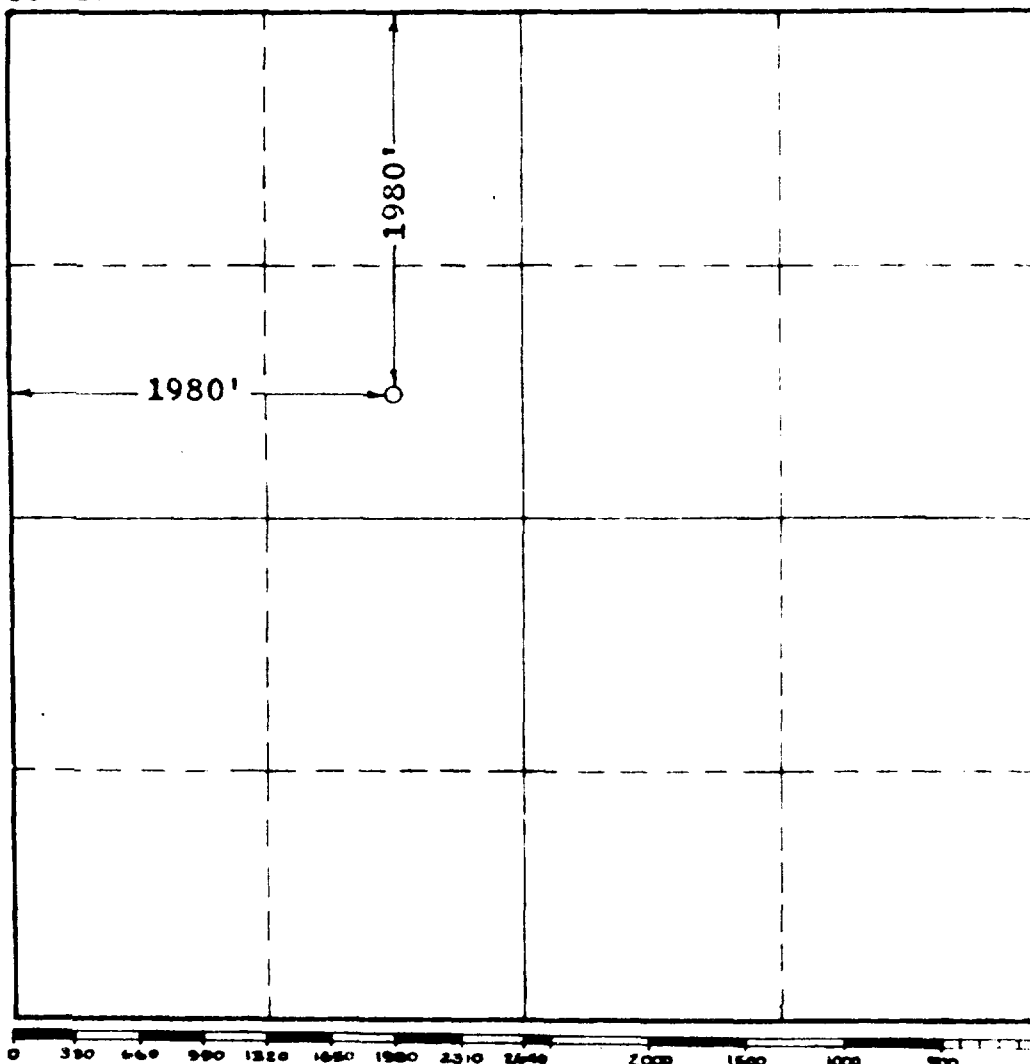
Operator Drilling & Exploration Co Incase Mary I Ballard
Well No. 1 Unit Letter F Section 27 Township 20 S Range 34 E NMFM
Located 1980 Feet From North Line, 1980 Feet From West Line
County Lea C. L. Elevation 3695.55 Dedicated Acreage 40 Acres
Name of Producing Formation Yates Pool Lynch

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes x No .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No . If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Drilling & Exploration Co., Inc.
(Operator)

D. C. Smith
(Representative)

Box 2075 Hobbs, New Mexico
Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 8-29-58

John W. Wat
Registered Professional
Engineer and/or Land Surveyor.

Certificate No. 676

(See instructions for completing this form on the reverse side)

PLEASE READ BEFORE STARTING OPERATIONS

Attention is called to the following requirements for operators on Federal, Indian and Acquired land oil and gas leases. The District Engineer may require suspension of operations for your failure to comply with the "Oil & Gas Operating Regulations", and these requirements. A copy of the "Operating Regulations" will be furnished you upon request.

GENERAL

1. All drilling and producing wells must be permanently marked by a well sign in a conspicuous place showing the name of operator, lease name, serial number of lease, well number, and location. Well signs must be maintained in legible condition.

2. Any change in the proposed plan or condition of approval must have approval of the District Engineer BEFORE the change is made.

3. Approval of a notice of intention to drill or abandon any well will be recinded without further notice if drilling or abandonment is not started within 90 days.

4. A Subsequent Report of Operations on form 9-331a (9-331b Indian), in triplicate, must be submitted to the District Engineer giving complete information, including dates the work was done, covering:

A. On new wells

a. Cementing casing and method and results of water shut off tests. (Show spud date on first report submitted.)

B. On work-overs

a. Deepening or plugging back.

b. Perforating, acidizing, fracturing, shooting, casing alterations.

c. Drill stem and other production tests.

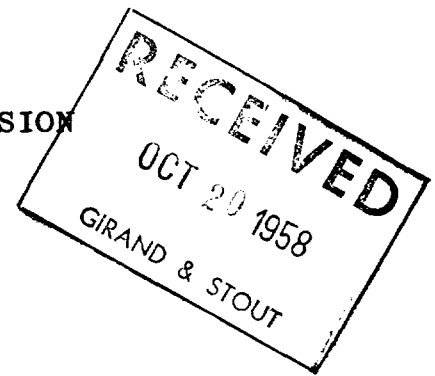
5. Log, in quadruplicate, on form 9-330, must be submitted to the District Engineer within 15 days of completion, abandonment, or suspension unless operator is otherwise instructed by the District Engineer. The log should include a complete driller's log, descriptions and intervals of all cores, formation tops identified, results of all drill stem tests, perforating, fracturing, acidizing, shooting, production tests, and all other well information not previously reported. Duplicate copies of all electrical logs, sample logs, drilling time logs, temperature, deviation, and other well surveys also must be filed.

6. Monthly report of operations for each lease, in duplicate on form 9-329 (9-329A-Indian), must be submitted promptly each month to U.S. Geological Survey, Box 6721, Roswell, New Mexico, beginning with spudding of the first well on a lease and continuing until abandonment of all drilling and producing operations is approved.

7. All wells and lease premises shall be maintained in a workman like manner with due regard to safety, conservation, and appearance.

Revised October 1947

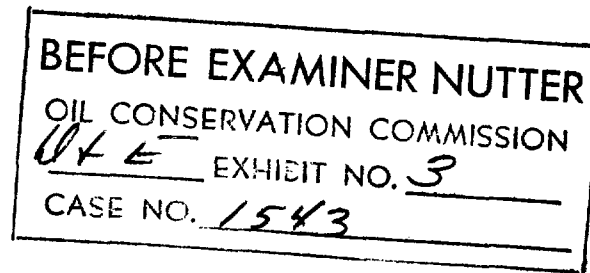
BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO



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. 1215
Order No. R-968

APPLICATION OF WILSON OIL COMPANY
FOR AN EXCEPTION TO THE SHALLOW ZONE
CASING REQUIREMENTS IN THE POTASH-OIL
AREA AS ESTABLISHED BY ORDER R-111-A.



ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10 o'clock a.m. on February 27, 1957, at Hobbs, New Mexico, before Warren W. Mankin, 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 22nd day of March, 1957, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Warren W. Mankin, and being fully advised in the premises,

FINDS:

1. That due notice having been given as required by law, the Commission has jurisdiction of this case and the subject matter thereof.
2. That the applicant, Wilson Oil Company, proposes to drill an exploratory well with cable tools in the Potash-Oil Area, as defined by Commission Order R-111-A, at a point 660 feet from the North line and 660 feet from the East line of Section 21, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico.
3. That the applicant proposes to case the said well as follows rather than in the manner prescribed by Order R-111-A:
 - 13 3/8 inch casing in top of the red bed (surface string) to approximately 70 feet;
 - 10 3/4 inch casing (cave string) to about 700 feet;
 - 8 5/8 inch casing (water shut-off string) to about 1300 feet, but in any event below the water;

7 or 5 1/2 inch casing (production string) to be set and cemented at a point selected by the operator above pay zone.

4. That the applicant should be permitted to pull all other casing except the production string in the event that commercial oil or gas production is found.

5. That the production string should be cemented throughout its entire length in the event commercial oil or gas production is encountered.

6. That the aforementioned casing program will confine the water, oil and gas to the strata in which they naturally occur and will afford adequate protection for the potash deposits in the area.

7. That in any event, the applicant should make adequate provisions for the protection of potash deposits in the area.

8. That all interested potash operators were notified of the subject application and that no objections have been registered with the Commission.

IT IS THEREFORE ORDERED:

1. That the applicant, Wilson Oil Company, be and the same is hereby authorized to drill an exploratory well by use of cable tools in the Potash-Oil Area at a point 660 feet from the North line and 660 feet from the East line of Section 21, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico, and to case said well in the following manner:

13 3/8 inch casing in top of the red bed (surface string) to approximately 70 feet;

10 3/4 inch casing (cave string) to about 700 feet;

8 5/8 inch casing (water shut-off string) to about 1300 feet, but in any event below the water;

7 or 5 1/2 inch casing (production string) to be set and cemented at a point above the pay zone to be selected by the operator.

2. That in the event commercial oil or gas production is found, the applicant may pull all other casing except the production string.

3. That the production string be cemented throughout its entire length in the event commercial oil or gas production is encountered.

-3-

Case No. 1215

Order No. R-968

4. That, notwithstanding the foregoing, the applicant shall make adequate provisions for the protection of the potash bearing strata regardless of the conditions encountered in drilling said well.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

MURRAY E. MORGAN, Member

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

S E A L

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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:

BEFORE EXAMINER NUTTER	
OIL CONSERVATION COMMISSION	
<u>W + E</u>	EXHIBIT NO. <u>4</u>
CASE NO. <u>1543</u>	

CASE NO. 1249
Order No. R-999

APPLICATION OF HUDSON AND HUDSON,
INCORPORATED FOR AN EXCEPTION TO
THE SHALLOW ZONE CASING REQUIREMENTS
IN THE POTASH-OIL AREA AS ESTABLISHED
BY ORDER R-111-A.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10 o'clock a.m. on April 26, 1957, 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 10th. day of May, 1957, 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 case and the subject matter thereof.

(2) That the applicant, Hudson & Hudson, Incorporated, proposes to drill an exploratory well with cable tools, said well to be known as the Hover-Federal No. 1 Well, located 1980 feet from the South line and 660 feet from the East line of Section 28, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico, which location is in the Potash-Oil Area, as defined by Commission Order R-111-A.

(3) That the applicant proposes to case the said well as follows rather than in the manner prescribed by Order R-111-A:

13 3/8" casing to a depth of approximately 60 feet;

10 3/4" casing to the top of the Santa Rosa formation
at approximately 800 feet;

8 5/8" casing to the shale immediately above
the anhydrite at approximately 1250 feet;

5 1/2" casing to the top of the Yates formation
prior to drilling into said formation;

(4) That the applicant should be permitted to pull all casing except the 5 1/2-inch production string in the event that commercial oil or gas production is found.

(5) That the production string should be cemented throughout its entire length in the event commercial oil or gas production is encountered.

(6) That the aforementioned casing program will confine the water, oil, and gas to the strata in which they naturally occur and will afford adequate protection for the potash deposits in the area, and that the proposed casing program will result in a considerable economic savings to the applicant.

(7) That in any event, the applicant should make adequate provisions for the protection of potash deposits in the area.

(8) That all interested potash operators were notified of the subject application and that no objections have been registered with the Commission.

(9) That the applicant should be required to comply with all of the provisions of Order R-111-A, not specifically excepted by this order.

IT IS THEREFORE ORDERED:

1. That the applicant, Hudson & Hudson, Incorporated, he and the same is hereby authorized to drill its Hover-Federal Well No. 1 with cable tools in the potash-oil area at a point 1980 feet from the South line and 660 feet from the East line of Section 28, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico, and to case said well in the following manner:

13 3/8" casing to a depth of approximately 60 feet;

10 3/4" casing to the top of the Santa Rosa formation,
at approximately 800 feet;

8 5/8" casing to the shale immediately above the
anhydrite at approximately 1250 feet;

5 1/2" casing to the top of the Yates formation
prior to drilling into said formation;

2. That in the event commercial oil or gas production is found, the 5 1/2-inch production string shall be cemented throughout its entire length in which case the applicant may pull all other strings of casing.

-3-

Case No. 1249

Order No. R-999

3. That the applicant shall comply strictly with all the provisions of Order R-111-A not specifically excepted herein.

4. That, notwithstanding the foregoing, the applicant shall make adequate provisions for the protection of the potash-bearing strata regardless of the conditions encountered in drilling said well.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

MURRAY E. MORGAN, Member

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

S E A L

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Case 1543

POTASH COMPANY OF AMERICA

GENERAL SALES OFFICES · 1625 EYE STREET · N.W. · WASHINGTON 6 · D.C.
SOUTHERN SALES OFFICE · 408 · 9 CANDLER BLDG · ATLANTA · GA ·
MIDWESTERN SALES OFFICE · FIRST NATIONAL BANK BLDG · PEORIA · ILL ·

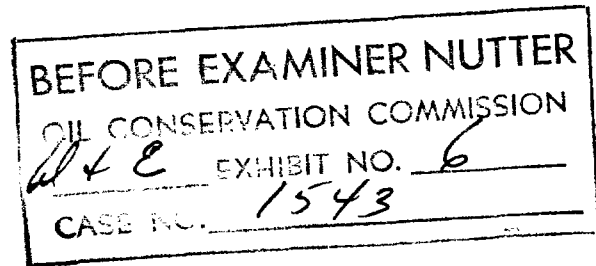


R. HAWORTH
VICE PRESIDENT
IN CHARGE OF PRODUCTION
AND RESIDENT MANAGER

REPLY TO:

EXECUTIVE OFFICES
MINES AND REFINERY
CARLSBAD · NEW MEXICO
October 29, 1958

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico



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

Re: Drilling and Exploration Company, Inc. (Appl. 10/8/58)

Dear Sirs:

The above application is by Drilling and Exploration Company, Inc., for an exception to the casing requirements of Order No. R-111-A for its Ballard No. 1 well to be located 1980' from the North and West lines of Section 27, T. 20 S., R. 34 E., Lea County, New Mexico.

Potash Company of America, under normal circumstances, would object to any deviation from OCC Order R-111-A. However, since the subject well is but a short distance inside our potash lease area, and located where exploratory drilling has indicated the absence of potash mineralization in sufficient concentration to be of economic value, we do not feel that objection to the casing program outlined in the application defined under Case No. 1513 is justified.

We wish to stress that our decision not to offer protest in this case, is not to be construed as indicating that the casing program outlined by Drilling and Exploration Company, Inc., is acceptable in known or potential potash areas.

Very truly yours,

R. Haworth

RH/b
cc:JBC:RHB:RRK:ECJ

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

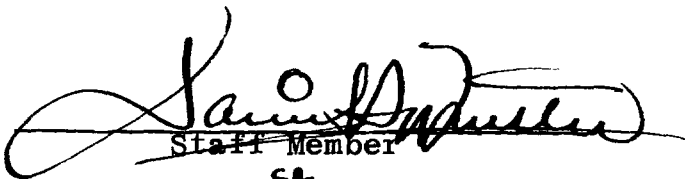
Date 11/6/58

CASE NO. 1543

HEARING DATE 9am DSN SF
11/6/58

My recommendations for an order in the above numbered case(s) are as follows:

Enter an order authorizing the casing program sought by applicant. Specify that surface csq is to be cemented to the surface.


Staff Member
St.

1543
154
POTASH COMPANY OF AMERICA

GENERAL SALES OFFICE 1425 EYE STREET N. W. WASHINGTON 6 D. C.
SOUTHERN SALES OFFICE 408 9 Candler Bldg ATLANTA GA
MIDWESTERN SALES OFFICE FIRST NATIONAL BANK Bldg PEORIA ILL.



EXECUTIVE OFFICES
MINES AND REFINERY
CARLSBAD NEW MEXICO
October 1, 1958

R. HAWORTH
VICE PRESIDENT
IN CHARGE OF PRODUCTION
AND RESIDENT MANAGER

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

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

Re: Case No. 1513, Drilling and Exploration Company, Inc.

Dear Sirs:

Further to my letter of September 24th, relative to an application by Drilling and Exploration Company, Inc., referred to as Case No. 1513 to be heard before Mr. Elvis A. Utz, Examiner, at Santa Fe, on October 2, 1958, I wish to add the following comments.

Potash Company of America, under normal circumstances, would object to any deviation from OCC Order R-111A. However, since the subject well is but a short distance inside our potash lease area, and located where exploratory drilling has indicated the absence of potash mineralization in sufficient concentration to be of economic value, we do not feel that objection to the casing program outlined in the application defined under Case No. 1513 is justified.

We wish to stress that our decision not to offer protest in this case, is not to be construed as indicating that the casing program outlined by Drilling and Exploration Company, Inc., is acceptable in known or potential potash areas.

Very truly yours,

RH/r

cc: JBC: RHB: REX: ECS

1543

POTASH COMPANY OF AMERICA

GENERAL SALES OFFICES 1625 EYE STREET N.W. WASHINGTON 6 D.C.
SOUTHEAST SALES OFFICE 408 9 1/2 AVENUE S.W. ATLANTA GA
MIDWESTERN SALES OFFICE FIRST NATIONAL BANK BLDG PEORIA ILL



EXECUTIVE OFFICE
MINES AND REFINERY
CARLSBAD NEW MEXICO
OFFICE OF THE SECRETARY

HAWORTH
VICE PRESIDENT
IN CHARGE OF PRODUCTION
DISTRICT MANAGER

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Attention Mr. A. L. Porter, Jr., Secretary

Re Case No. 1513, Drilling and Exploration Company, Inc.

Dear Sirs:

Further to my letter of September 11, 1958, relative to an application for Drilling and Exploration Company, Inc., referred to in Case No. 1513, to be heard before Mr. Elias A. B. Examiner, at Santa Fe, New Mexico, on October 2, 1958, I wish to add the following comments:

Potash Company of America, under normal circumstances, would object to any deviation from OCC Order R-111A. However, since the subject well is but a short distance inside our potash lease area, and located where exploratory drilling has indicated the absence of potash mineralization in sufficient concentration to be of economic value, we do not feel that objection to the casing program outlined in the application defined under Case No. 1513 is justified.

We wish to stress that our decision not to offer protest in this case, is not to be construed as indicating that the casing program outlined by Drilling and Exploration Company, Inc., is acceptable in known or potential potash areas.

Very truly yours,

RH/r
cc:JBC:RHB:RRK:ECJ

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.