

INTERNATIONAL MINERALS & CHEMICAL CORPORATION

P. O. Box 71, Corvallis, New Mexico

August 31, 1962

Mr. J. Ramey  
New Mexico Oil Conservation Commission  
Hobbs, New Mexico

ILLEGIBLE

Dear Sir:

International Minerals & Chemical Corporation is in agreement to let the operator change the casing schedule from 4 1/2 inch to 3 1/2 inch casing on the Brooks hole in Lea County. Also we are in agreement to let it be at the discretion of the operator as to the necessity of running tubing.

Yours truly,

R. H. Lane  
Chief, Mine Engineer

cc: R. P. Montgomery

RHL/11

RANDALL F. MONTGOMERY  
GEOLOGIST

HOBBS, NEW MEXICO

May 17, 1962

*Case 2571*

Mr. Richard Morris, Chief Counsel  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Mr. Morris:

I submit herewith, in triplicate, my request for a hearing, at the earliest practicable date, to consider an exception to the provisions of Order R-111-A insofar as it pertains to the re-entry and casing program on the following plugged and abandoned wells located in the Salt Lake Pool, Lea County, New Mexico:

<u>Well</u>	<u>Location</u>
Smith-18 No. 1	NWNE Sec. 18, T-20-S, R-33-E
Brooks-7 No. 1	SWSW Sec. 7, T-20-S, R-33-E
Brooks-7 No. 2	SESW Sec. 7, T-20-S, R-33-E
Brooks-7 No. 3	SWSE Sec. 7, T-20-S, R-33-E
Brooks-7 No. 4	NESW Sec. 7, T-20-S, R-33-E

*drilled in 42 P4A in 48*

Basically the requested hearing seeks relief from the provisions of R-111-A pertaining to the running of casing to the Top of the Anhydrite. This is necessary, if the subject wells are re-entered, due to the mechanical conditions as is indicated on the enclosed diagrammatic sketch.

The subject wells were drilled, produced and plugged prior to the designation of an oil-potash area, and therefore, were not completed nor plugged in accordance with regulations presently in effect.

Applicant suggests that the requested program of cleaning out to total depth and the running of a 4½" liner from surface to total depth, with cement circulated to the surface, under supervision of the U.S.G.S. and the potash lessees, will more adequately protect the potash and oil deposits that may underlie the area. Further, that if applicant is successful in re-entering the subject wells, that the abandonment will be in accordance with existing regulations.

*Received  
4/28/62*

Page 2 - Mr. Morris

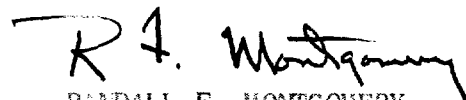
In the event it is determined that the requested program is inadvisable, applicant requests permission to drill new wells in strict compliance with R-111-A but at unorthodox locations as follows:

Brooks - 7	No. 6	10' from South & 2310' from East line Sec. 7-20-33
Brooks - 7	No. 7	330' from South & 1320' from West line Sec. 7-20-33
Brooks - 7	No. 8	1320' from South & 1980' from West line Sec. 7-20-33

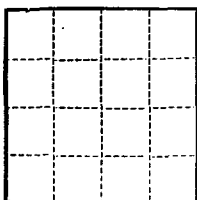
A carbon copy of this application has been forwarded to all interested parties known to applicant as follows:

Mr. James A. Knauf, U.S.G.S., Box 187, Artesia, New Mexico  
Mr. R. Fulton, U.S.G.S., Box 829, Carlsbad, New Mexico  
Mr. Robert Lane, International Minerals & Chemical Corporation,  
Carlsbad, New Mexico  
Mr. Thomas Gamble, U. S. Borax & Chemical Corporation,  
Carlsbad, New Mexico.

Respectfully requested,

  
RANDALL F. MONTGOMERY

RFM:1b  
Enclosure



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office New MexicoLease No. NM 0149957Unit Little Eddy

*Jan 25/1*

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		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	X	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)

May 10, 1962

Brooks-7  
Well No. 3 is located 660 ft. from NH line and 1980 ft. from E line of sec. 7  
S W

SE 1/4 7 20 S 33 E NNPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Salt Lake Lea New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3503 ft.

### DETAILS OF WORK

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

This well was originally completed by The Continental Oil Co. as their Brooks-7 No. 3 on 10-14-42 for 288 BOED for the Yates Seven Rivers Reef pay producing from the open hole interval 2887-3025 with the following casing program 10-3/4" @606 mudded, 8-5/8" @1162' cemented with 350 sacks. 5 1/2" at 2887' cemented with 100 sacks. In November 1948 well was plugged and abandoned in the following manner: Cement plug from 3025 to 2900 5 1/2" casing shot off @1105. A cement plug from 1050-1150. 8-5/8" shot off @250' a cement plug from 300-200' and 50' to surface. We now request permission to workover and repair this well in the following manner: Attempt to clean out to TD. Run electric & gamma ray logs, check for collapsed casing with tools and logs run 4 1/2" J-55 9 1/2# casing from TD to surface and cement with sufficient volume to circulate. In the event the well is non-commercial place solid cement plug thru salt section. Also across water zones at 1162' 458' and 409' place 50' cement plug to top. All state and federal regulations will be complied with.

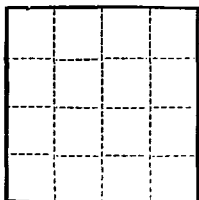
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. (over)

Company Randall F. MontgomeryAddress P. O. Box 2414Hobbs, New MexicoBy R. F. MontgomeryTitle Lessee

Estimated Tops:

Top Anhydrite	1120
Top Salt	1280
Base Salt	2620
Show Oil	2975-3025
TL	3025

Cumulative production to date 35,662 bbls. oil and 103,846 bbls. water.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office New MexicoLease No. NM 0149957Unit Little Eddy*Page 2571*

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		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	X	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)

May 10, 1962

Brooks-7  
Well No. 2 is located 660 ft. from S line and 1980 ft. from W line of sec. 7  
SW 1/4 7 20 S 33 E NMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Salt Lake Lea New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3535 ft.

## DETAILS OF WORK

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

This well was originally completed by The Continental Oil Co. as their Brooks-7 No. 2 well on 1-9-42 for 233 GPPD from the Yates-Seven Rivers Reef pay producing from the open hole interval 2910-3075 with the following casing program set 10-3/4" @ 631 mudded, 7" @ 1137 cemented with 50 sacks and 5 1/2" @ 2910 cemented with 225 sacks. In November 1948 the well was plugged & abandoned as follows: Cement plug 3075-2950, 5 1/2" casing shot off @ 1520, Cement plug 1570 to 1470 and cement plug from 1200-1100. 7" casing shot off @ 400' cement plug 450 to 350 and 50' to surface. We request permission to workover and repair this well in the following manner: Attempt to clean out to TD. Run electric and gamma ray logs. Check for collapsed casing with tools and logs run 4 1/2" J-55 9 1/2" casing from surface to TD and cement with sufficient volume to circulate. In the event the well is determined to be non-commercial place solid cement plug thru salt section in accordance with oil-potash regulations also across known water zones @ 1160, 509 & 440. All state and federal regulations will be complied with. (over)

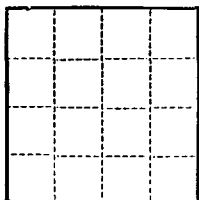
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Randall F. MontgomeryAddress P. O. Box 2414Hobbs, New MexicoBy R. F. MontgomeryTitle Lessee

**Estimated Tops:**

<b>Top Anhydrite</b>	<b>1110</b>
<b>Top Salt</b>	<b>1275</b>
<b>Base Salt</b>	<b>2619</b>
<b>Show Oil</b>	<b>3045-75</b>
<b>TD</b>	<b>3075</b>

**Cumulative Production to date 39,016 bbls. oil and 32,267 bbls. water.**



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office New Mexico

Lease No. NM 0149957

Unit Little Eddy

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		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.....	X	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)

May 10, 1962

Brooks-7  
Well No. 4 is located 1980 ft. from S line and 1980 ft. from W line of sec. 7

SW 1/4 7 20 S 33 E NMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Salt Lake Lea New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3540 ft.

DETAILS OF WORK

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

This well was originally completed by The Continental Oil Co. as their Brooks-7 No. 4 on 1-11-45 for 104 BO & 41 BW in 12 hrs. from the Yates-Seven Rivers Reef pay producing from open hole interval 2907 to 3064 with the following casing program 10" set @661. Pulled & left 59' in hole. Set 8-5/8" @1130 and pulled. Ran 5 1/2" to 2907 and cemented with 1000 sacks which circulated. In November 1949 the well was plugged and abandoned as follows: Cement plug from 3054-2950 and hole filled with mud to 50'. Top 50' of hole was filled with cement.

We now request permission to workover and repair this well in the following manner: Drill out surface plug and reverse circulate to T.D. and clean hole. Run electric & gamma ray logs. Check for collapsed casing with tools and logs run 4 1/2" J-55 9 5/8" casing from surface to T.D. and cement with sufficient volume to circulate. In the event the well is non-commercial place solid cement plug thru salt section also across water zones @ 1160, 460 and 400. Place 50' cement plug to top.

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

(over)

Company Randall F. Montgomery

Address P. C. Box 2414

Hobbs, New Mexico

By R. F. Montgomery

Title Lessee

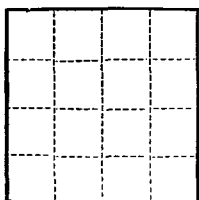


All operations will be in compliance with state regulations.

Tops as reported:

Top Anhydrite	1132
Base Sale	2620
Show Oil	2930-38
Show Oil	3050-59
TD	3064
PBTD	3054

Cumulative Production to date 21,247 bbls. oil and 73,000 bbls. water.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office New Mexico  
Lease No. NM 0149957  
Unit Little Eddy

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		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.....	<input checked="" type="checkbox"/>	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)

May 10, 1962

Well No. Brooks-7 1 is located 660 ft. from S line and 660 ft. from W line of sec. 7  
SW 7 20 S 33 E NMPM  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Salt Lake Lea New Mexico  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3535 ft.

DETAILS OF WORK

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

This well was originally completed by The Continental Oil Co. as their Brooks-7 No. 1 on 10-31-41 for 204 BOPD from the Yates-Seven Rivers Reef pay producing from the open hole interval 2906-3110 with the following casing program. 10-3/4" 620' mudded, 8-5/8" 1130' cemented with 150 sacks, 7" 2906 cemented with 100 sacks, 10-3/4" was pulled. In November 1945 the well was plugged and abandoned as follows: Cement plug 3110 to 3000 7" shot off 1710' cement plug 1660-1760 and cement plug 1200-1100. 8-5/8" casing shot off 520' with cement plug 470-570, and top 50' filled with cement. We request permission to workover and repair this well in the following manner: Attempt to clean out to TD, Run electric and gamma ray logs, check for collapsed casing with tools and logs run 4 1/2" J-55 9 5/8" casing from surface to TD and cement with sufficient volume to circulate. In the event the well is determined to be non-commercial place solid cement plug thru salt section in accordance with oil-potash regulations, also across known water zones 1150', 510' & 450'. All state and federal regulations will be complied with. (over)

Company Randall F. Montgomery

Address P. O. Box 2414

Robbs, New Mexico

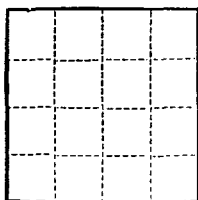
By R. F. Montgomery

Title Lessee

**Estimated Tops:**

Top Anhydrite	1104
Top Salt	1276
Base Salt	2620
TD	3110
Show Oil	2966-70
	3035-43

**Cumulative Production to date 39,337 bbls. oil, 20,760 bbls. water.**



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office New MexicoLease No. NI 0149957Unit Little Eddy

## SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	<input checked="" type="checkbox"/>	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)

May 10, 1962

Smith-10  
Well No. 1 is located 660 ft. from [N] line and 1900 ft. from [E] line of sec. 18  
NE 10 20 S 33 E MEPM  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Salt Lake Lea New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3500 ft.

## DETAILS OF WORK

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

This well was originally completed by The Continental Oil Co. as their Smith-10 No. 1 on 3-11-42 for 182 DD in 15 hrs. from the Yates-Seven Rivers Reef pay producing from the open hole interval 2900-3034 with the following casing program: 10-3/4" #617 mudded, 8-5/8" #1115 with 50 sacks cement and 5 1/2" #2900 with 100 sacks cement. The 10-3/4" was pulled. On July 27, 1943, the well was plugged and abandoned as follows: 30 sack plug on bottom 3034 to 2980, shot 5 1/2" casing at the following intervals: 1800', 1700', 1600', 1500', 1400', 1300', 1200', 1100', 1000', no pipe recovered. Shot off 5 1/2" casing #900' and recovered 900', shot off 8-5/8" casing #540' and recovered 540' 8-5/8" casing. Ran 25 sacks cement plug at 900' and 15 sack cement plug in top. We now request permission to workover and repair this well in the following manner: Attempt to clean out to TD. Run electric and gamma ray logs, check for collapsed casing with tools & logs run 4 1/2" J-55 9 1/2" casing from TD to surface and cement with sufficient volume to circulate. In the event the well is non-commercial place solid cement plug thru salt section and across

(over)

Company Randall F. MontgomeryAddress P. O. Box 2414Hobbs, New MexicoBy R. F. MontgomeryTitle Lessee

known water zones @ 1150', 450' & 400' and 50' plug @ top. All state and federal regulations will be complied with.

**Estimated tops:**

Top Anhydrite	1094
Top Salt	1250
Base Salt	2595
TD	3034

Cumulative production to date 40,999 bbls. oil and 38,642 bbls. water.