

IN REPLY REFER TO:

# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

~~NEW MEXICO~~  
NAVAJO REGION

P.O. Box 1060  
Gallup, New Mexico 87305-1060

RRES/543

AUG 15 2000



**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Continental Surety & Fidelity Insurance Company  
Attn: Surety Department  
P. O. Box 17369TA  
Denver, Colorado 80217

Dear Sir:

This concerns a \$15,000 Collective Bond No. KY 000153 dated June 21, 1984, showing Continental Surety & Fidelity Insurance Company of Denver, Colorado, as surety, and BK Petroleum, Inc., 501 Airport Dr., Suite 165, Farmington, New Mexico, as principal. A copy of the bond is enclosed for your information.

Our office received a letter dated August 18, 1998 from Bureau of Land Management, Farmington Field Office, requesting us to demand payment on the surety bond from BK Petroleum due to continuous noncompliance on Navajo Tribal Lease No. 14-20-600-3531. The bond was accepted to insure proper compliance performance on the lease. BK Petroleum holds operating rights in the lease and is the party responsible for proper abandonment of the wells.

In view of the above, we are making a demand payment on Continental Surety & Fidelity Insurance Company bond for \$15,000 on file with the Bureau of Indian Affairs, to pay for the proper plugging of the wells. Please make your check payable to the "Bureau of Indian Affairs", Navajo Region Office, Attn: Real Estate Services, P.O. Box 1060, Gallup, New Mexico 87305-1060.

If you have any questions, please contact Ms. Bertha Spencer, Realty Specialist at (520) 871-5938.

Sincerely,

/S/ OMAR C. BRADLEY

ACTING Regional Director, Navajo

BEFORE EXAMINER STOGNER

OIL CONSERVATION DIVISION

BCD EXHIBIT NO. 1

FILE NO. 12495

Enclosures

cc: BLM, Farmington Field Office  
Navajo Nation, Minerals Department  
NM Energy, Minerals & Natural Resources Department  
Attn: Charley Perrin, Aztec District Office, 1000 Rio Brazos Road, Aztec, NM 87410 ✓  
BK Petroleum, Inc., 501 Airport Dr., Suite 165, Farmington, NM 87401



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Gallup, New Mexico 87305-1060

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AUG 15 2000

New Mexico Energy  
Minerals & Natural Resources Department  
Attn: Charley Perrin  
Aztec District Office  
1000 Rio Brazos Road  
Aztec, New Mexico 87410



Dear Mr. Perrin:

This is to confirm the discussion that was held at the quarterly meeting in Farmington on July 13, 2000, with the Bureau of Indian Affairs, Bureau of Land Management and the Navajo Nation Minerals Department on collecting on the bond of BK Petroleum, Inc. in the amount of \$15,000 collective bond from the surety company for Navajo Nation Oil and Gas Lease No. 14-20-600-3531.

You explained to Ms. Bertha Spencer, Realty Specialist, Minerals and Mining Section, that BLM will be meeting with the New Mexico Oil Conservation Division (NMOCD) on August 15, 2000, to request the NMOCD to provide additional funds to plug the wells on the above mentioned lease. Also, BLM Farmington Field Office has advised you on the inventory that was taken and submitted to your office.

We have written to the surety company to demand payment of \$15,000 against BK Petroleum which will go towards the plugging costs. If NMOCD is willing to bear the additional costs of plugging the wells, we will be glad to give them the \$15,000 to help with the expense.

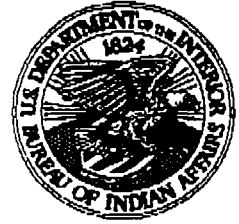
We will await word from the surety before advising you further. We appreciate your assistance in this matter and any cooperation from NMOCD will be greatly appreciated. If you have any further questions, please contact Ms. Bertha Spencer, at (520) 871-5938.

Sincerely,

**ACTING** Regional Director, Navajo



Bureau of Indian Affairs  
Navajo Region  
Branch of Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060



**AUTOMATIC TELEFAX**

DATE: 8/16/00

LOCATION: Mail Code \_\_\_\_\_  
Window Rock, Arizona  
TELEFAX NUMBER: 520/871-5943

INFORMATION OR ASSISTANCE NO.: COMMERCIAL — 520/871-59 33

NUMBER OF DOCUMENTS (Including Cover Sheet) 5

TO THE ATTENTION OF: Charley Perrin

Office Phone Number: \_\_\_\_\_

Telefax Number: (505) 334-6170

FROM: Louise Gould

Office Phone Number: (520) 871-5933

MESSAGE OR INSTRUCTION: For your information, two letters are still being signed. As soon as they are ready, I will send you your copies w/ attachments. Call me if you have any questions.

DISPATCHED BY: L Gould TIME: 8:40 AM

7. Methods of Handling Waste Disposal

- A. The drill cuttings, fluids and completion fluids will be placed in the reserve pit. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The reserve pit will be allowed to dry, and materials remaining in the reserve pit buried. The reserve pit will be backfilled, leveled and contoured so as to prevent any materials being carried into the watershed. Upon completion, the pad will be leveled, contoured, and reseeded with the appropriate seed mixture as specified by the surface managing agency.
- B. All garbage and trash will be hauled away to designated landfill by Conoco.
- C. Chemical toilets will be provided and maintained during drilling operations.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Production Facility Layout

- A. See attachment to this plan.
- B. Location of Proposed New Facilities – A 4-1/2" OD buried steel pipeline that is 176.55 feet in length will be constructed. The pipe-wall thickness is .156 and the pipe-wall strength is 42,000# yield. It will tie the well into a line operated by El Paso Natural Gas. The pipeline will be used to transport gas to drill the well. After the well is spudded, the pipeline will be authorized by a right of way issued to El Paso Natural Gas. Please refer to the attached survey plat for additional information.

10. Plans for Restoration of Surface

When the well is abandoned, the location and access road will be cleaned and restored to the original topographical contours as much as possible. The area will be reseeded with the appropriate seed mixture. If the well is productive, areas not used in production will be contoured and seeded with stipulated seed mixture. Production equipment will be painted the color designated by the surface managing agency.

11. Surface Ownership

The surface ownership is Federal land.

12. Archeological Clearance

An archeological survey was conducted and clearance recommended by attached report LAC 9963L.





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In view of the above, we are making a demand payment on Continental Surety & Fidelity Insurance Company bond for \$15,000 on file with the Bureau of Indian Affairs, to pay for the proper plugging of the wells. Please make your check payable to the "Bureau of Indian Affairs", Navajo Region Office, Attn: Real Estate Services, P.O. Box 1060, Gallup, New Mexico 87305-1060.

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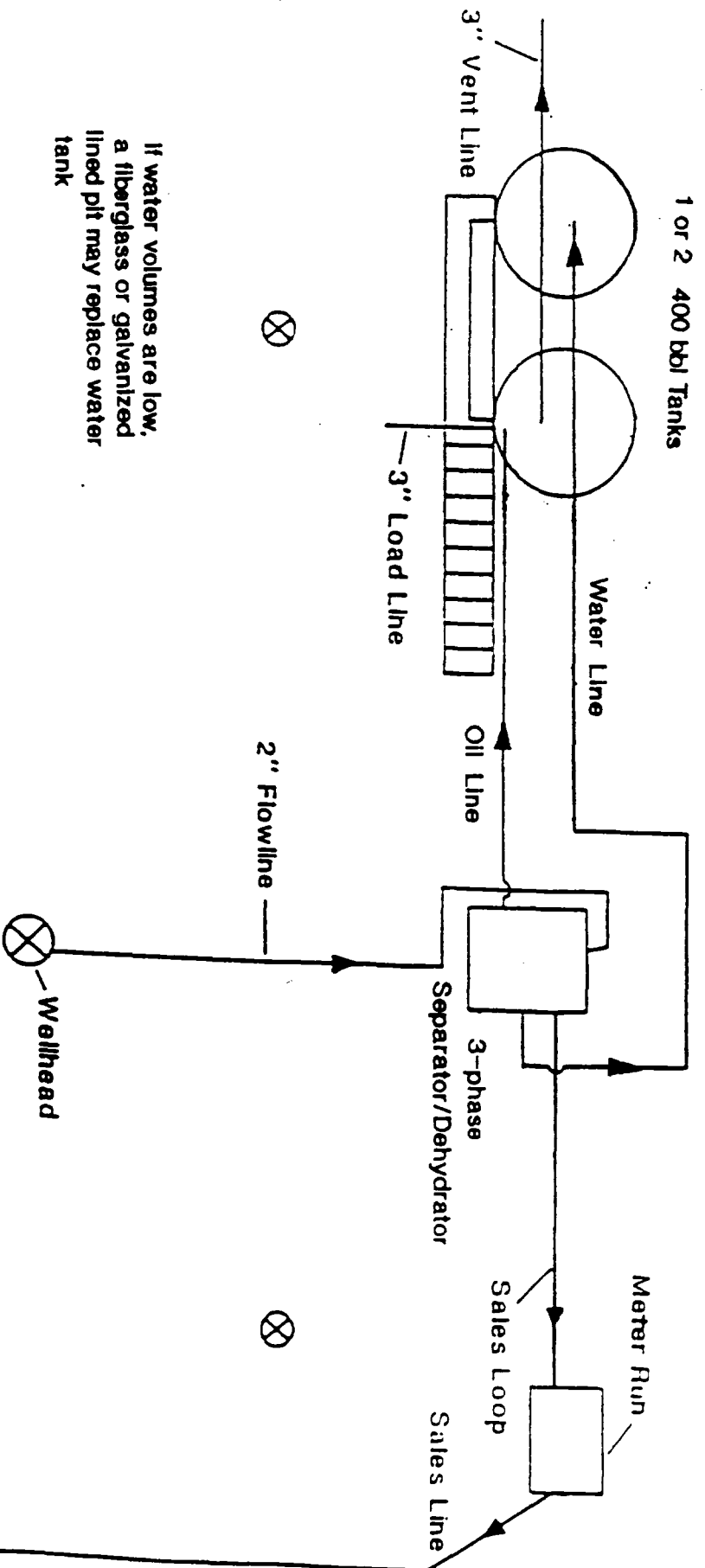
Sincerely,

ACTING

Regional Director, Navajo

Enclosures

# CONOCO PRODUCTION LOCATION





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P.O. Box 1060

Gallup, New Mexico 87305-1060

RRES/543

AUG 15 2000

New Mexico Energy  
Minerals & Natural Resources Department  
Attn: Charley Perrin  
Aztec District Office  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Dear Mr. Perrin:

This is to confirm the discussion that was held at the quarterly meeting in Farmington on July 13, 2000, with the Bureau of Indian Affairs, Bureau of Land Management and the Navajo Nation Minerals Department on collecting on the bond of BK Petroleum, Inc. in the amount of \$15,000 collective bond from the surety company for Navajo Nation Oil and Gas Lease No. 14-20-600-3531.

You explained to Ms. Bertha Spencer, Realty Specialist, Minerals and Mining Section, that BLM will be meeting with the New Mexico Oil Conservation Division (NMOCD) on August 15, 2000, to request the NMOCD to provide additional funds to plug the wells on the above mentioned lease. Also, BLM Farmington Field Office has advised you on the inventory that was taken and submitted to your office.

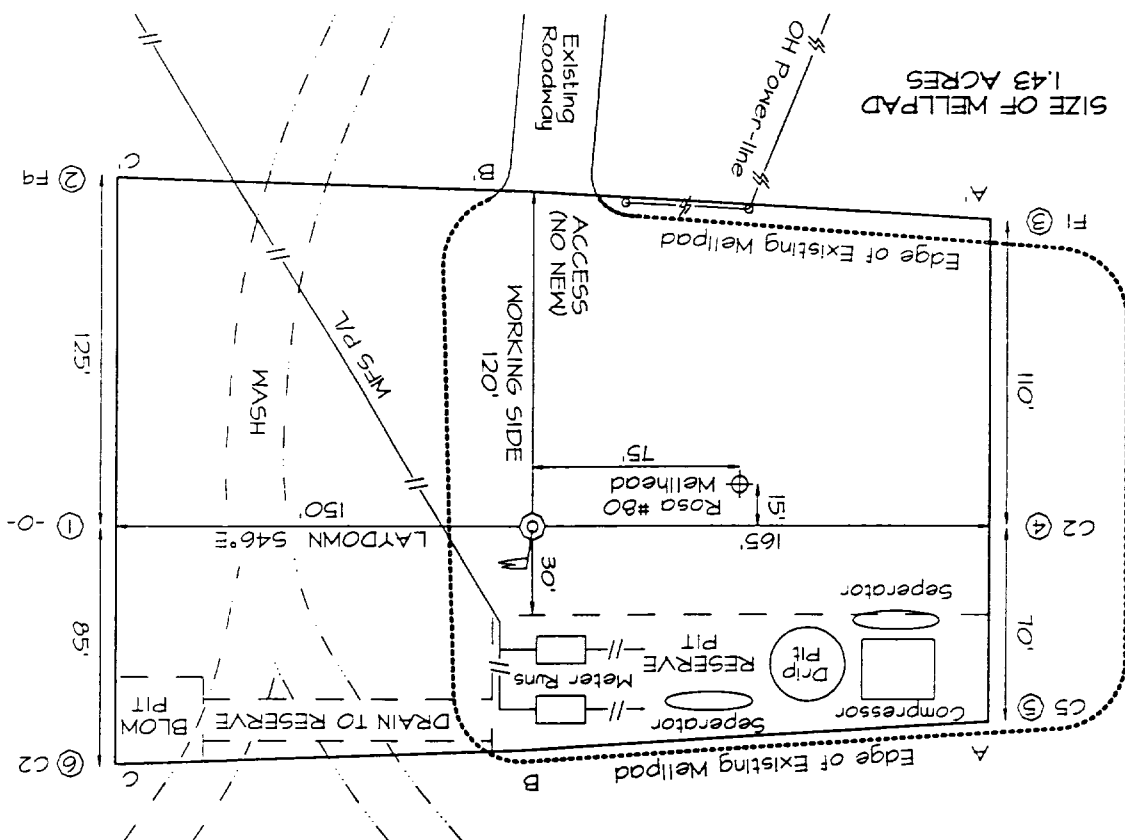
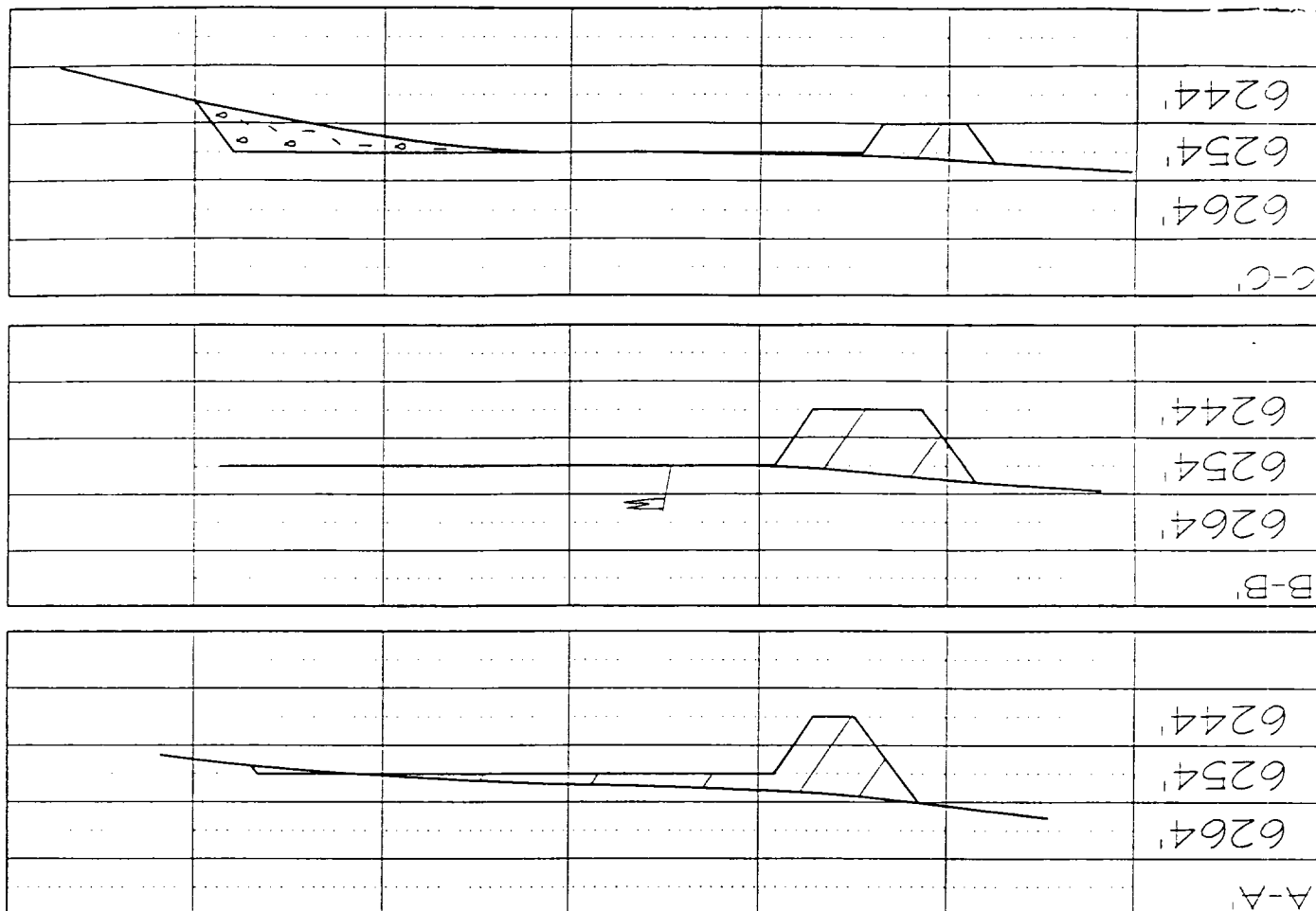
We have written to the surety company to demand payment of \$15,000 against BK Petroleum which will go towards the plugging costs. If NMOCD is willing to bear the additional costs of plugging the wells, we will be glad to give them the \$15,000 to help with the expense.

We will await word from the surety before advising you further. We appreciate your assistance in this matter and any cooperation from NMOCD will be greatly appreciated. If you have any further questions, please contact Ms. Bertha Spencer, at (520) 871-5938.

Sincerely,

ACTING

Regional Director, Navajo



**PLAT NOTE:**  
Existing production equipment and pipeline will need to be stripped or repositioned to accommodate drilling operations for proposed new wellbore.

WILLIAMS PRODUCTION COMPANY ROSA UNIT #46A  
1625' FSL & 1835' FWL, SECTION 8, T31N, R5W, NMPM  
RIO ARriba COUNTY, NEW MEXICO  
GROUND ELEVATION: 6254'

**GROUND ELEVATION: 6254'**

XXXXXXXXXXXXXXXXXXXX  
NAVAJO REGION  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

RRES/543

New Mexico Energy  
Attn: Charley Perrin  
Minerals & Natural Resources Department  
Aztec District Office  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Dear Mr. Perrin:

This is to confirm the discussion that was held at the quarterly meeting held in Farmington on July 13, 2000, with the Bureau of Indian Affairs (BIA), Bureau of Land Management (BLM) and the Navajo Nation Minerals Department on collecting on the bond of APA Development Co. in the amount of \$75,000. The irrevocable letter of credit was issued by Valley National Bank in lieu of a collective bond.

You explained to Ms. Bertha Spencer, Realty Specialist, that BLM will be meeting with the New Mexico Oil Conservation Division (NMOCD) on August 15, 2000 to request the NMOCD to provide additional funds to plug the wells on Navajo Tribal Lease Nos. 14-20-600-3540 and 14-20-603-5013. Also, BLM Farmington Field Office has advised you on the inventory that was taken and submitted to your office.

We have written to Valley National Bank of Cortez, Colorado to demand payment of \$75,000 against APA Development, Inc.'s Irrevocable Letter of Credit which will go towards the plugging costs. If NMOCD is willing to bear the additional costs of plugging the wells, we will assist them with \$75,000 to offset with the expenses.

We will await word from the bank before advising you further. We appreciate your assistance in this matter and any cooperation from NMOCD will be greatly appreciated. If you have any questions, please contact Ms. Bertha Spencer, at (520) 871-5938.

Sincerely,

Regional Director, Navajo

# GENERAL ROSA UNIT DRILLING PLAN

OSA UNIT BOUNDARIES: T31N, R04W; A1 - Except sections 1 & 2 T31N, R04W; A1 - Except sections 6, 7, 18, 20, 27-36; T32N, R05W; sections 32-36

## FORMATION CHARACTERISTICS:

FORMATION	LITHOLOGY	WATER	GAS	OIL	OVER PRES.	LOST CIRC.
NACIMIENTO	Interbedded shales, siltstones & sandstones	no	no	no	no	no
OJO ALAMO	Sandstone & conglomerates w/ lenses of shale	fresh	no	no	no	no
KARTLAND	Shale w/ interbedded sandstones	no	poss.	no	no	no
FRUITLAND	Inter, SS, S&SL, SH & Coals w/ Carb. SS, S&SL, SH	yes	yes	no	poss.	no
PICTURED CLIFFS	Massive Sandstone w/ thin interbedded Shales	poss.	yes	poss.	no	poss.
LEWIS	Shale w/ thin interbedded sandstones & siltstones	no	poss.	no	no	no
CLIFF HOUSE	Transgressive sandstone	poss.	yes	no	no	no
MENEFEE	Sandstones, Carb shales & coal	poss.	yes	no	no	no
POINT LOOKOUT	Regressive coastal barrier sandstone	poss.	yes	poss.	no	yes
MANCOS	Marine shale	no	no	no	no	no

## DRILLING

### Potential Hazards

1. There are no overpressured zones expected in this well.
2. No H2S zones will be permitted while drilling this well.

### Mud System

1. Surface: The surface hole will be drilled with a Low-solids Non-Dispersed system with starch and lost circulation material as needed. Expected mud weights will be in the 8.4 to 9.0 #/gal range. Viscosities will be in the 30 to 60 sec/qt range as needed to remove drill cuttings.
2. Intermediate: The intermediate hole will be drilled with clear water and Benex to TD where the well will be mudded up to log and run casing. The mud system will be Low-solids Non-Dispersed with mud weights in the 9 to 10 #/gal range as needed to control the well. Viscosities will be in the 45 to 55 range as needed to support any weight material. The weight material will consist of Barite.
3. Production: The well will be drilled using natural gas from the intermediate casing point to TD.

<b>API NUMBER</b>	30-045-12161	
<b>OPERATOR NAME</b>	BK PETROLEUM	<b>WELL NUMBER</b> 1W, H2O SUPPLY
<b>PROPERTY NAME</b>	MANY ROCKS GALLUP	
<b>SECTION 17</b>	<b>TOWNSHIP 31N</b>	<b>RANGE 16W</b>
<b>FOOTAGE</b>	2253 FNL 1865 FWL	

<b>Sur Csg OD 17" HOLE</b>	13 3/8	<b>XX</b>			<b>XX</b>
<b>SUR CSG TD</b>	105	<b>XX</b>			<b>XX</b>
<b>SUR CSG WT</b>	48	<b>XX</b>			<b>XX</b>
<b>TOP OF CMT</b>	0	<b>XX</b>			<b>XX</b>
<b>ACTUAL</b>	0	<b>XX</b>			<b>XX</b>
<b>CACULATED</b>	125 SX	<b>XX</b>	<b>XX</b>	<b>XX</b>	<b>XX</b>
<b>PROD CSG OD 12 1/4"HOLE</b>	8 5/8	<b>XX</b>	<b>XX</b>	<b>XX</b>	<b>XX</b>
<b>PROD CSG TD 2 STG/1858</b>	3617	<b>XX</b>	<b>XX</b>	<b>XX</b>	<b>XX</b>
<b>PROD CSG WT</b>	32	<b>XX</b>	<b>XX</b>	<b>XX</b>	<b>XX</b>
<b>TOP OF CMT</b>	1052	<b>XX</b>	<b>XX</b>	<b>XX</b>	<b>XX</b>
<b>ACTUAL,575 4%+ 270,4%</b>			<b>XX</b>	<b>XX</b>	
<b>CACULATED</b>	845SX		<b>XX</b>	<b>XX</b>	
<b>PERF TOP</b>	3428-3551		<b>XX</b>	<b>XX</b>	
<b>PERF BOTTOM</b>	2956-2944		<b>XX</b>	<b>XX</b>	
<b>PACKER</b>			<b>XX</b>	<b>XX</b>	
<b>TYPE OF PLUG</b>			<b>XX</b>	<b>XX</b>	
<b>CIBP &amp; CMT</b>			<b>XX</b>	<b>XX</b>	
<b>CMT</b>			<b>XX</b>	<b>XX</b>	

#### **PROPOSED PLUGGING OPERATION**

MIRU PU, BOPE, TOO H WITH TUBING, RIH W/WORK STRING, CIRC HOLE  
 SPOT 45SX PLUG @ 3400-3250 WOC TAG, TOP AS REQUIRED. SPOT 45SX PLUG @  
 SPOT 45SX PLUG @ 2900-2750 WOC TAG, TEST CSG, SPOT AND TAG AS NEEDED  
 SPOT 100' PLUGS @ 2391-2491, 2268-2168, 1451-1351 EST 30 SX/PLUG  
 PERF @ 360' PLUG 360-260 INSIDE AND OUT , PERF 150 CIRC CMT TO SUR  
 CUT OFF WELL HEAD, INSTALL P&A MARKER, DIG AND CUT ANCHORS,

**Close pits according to guidelines: Clean and level location**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
 OIL WELL ☐ GAS WELL ☐ OTHER ☒ **Water supply** SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
**The Atlantic Refining Co.**

3. ADDRESS OF OPERATOR  
**Box 2197, Farmington, N.M.**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
**SE NW (2233)' FWL & 1865' FWL) Section 17**  
 At proposed prod. zone  
**same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**4 miles E & 13 Miles N Shiprock, N.M.**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
**3000'**

20. ROTARY OR CABLE TOOL

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**OL 9710'**

22. APPROX. DATE WHEN WELL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
17"	13-3/8"	48.6	100'
11"	8-5/8"	26.4	70'

We propose to drill this well to supply water for the Many Rocks Cattle Project. We expect to obtain water from the Morrison formation (Est. 2550') however, we also wish to test the Dakota (Est. 2300') and Entrada (Est. 3500') formations for possible water sources. A request for permission to produce these zones has been filed with the Navajo Tribal Council.

ILLEGIBLE

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED B. Sastain TITLE Eng. & Prod. Supv. DATE 3-17-64

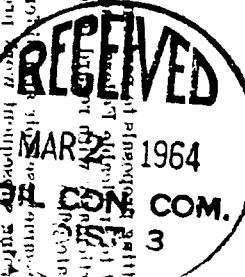
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY cu TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

30-6-15-121





Well Location and Acreage Dedication

February 25, 1964

## Section A.

Operator ATLANTIC REFINING COMPANY Lease NANY ROCKS GALLUP PROJECT  
 Well No. 1-W Unit Letter F Section 17 Township 31 NORTH Range 16 WEST NMPM  
 Located 2253 Feet From NORTH Line, 1865 Feet From WEST Line  
 County SAN JUAN COUNTY G. L. Elevation 5710.0 Dedicated Acreage \_\_\_\_\_ Acres  
 Name of Producing Formation WATER SUPPLY Pool \_\_\_\_\_

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes \_\_\_\_\_ 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:

OwnerLand 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.

The Atlantic Refg. Co.

(Operator)

B. J. Sartin

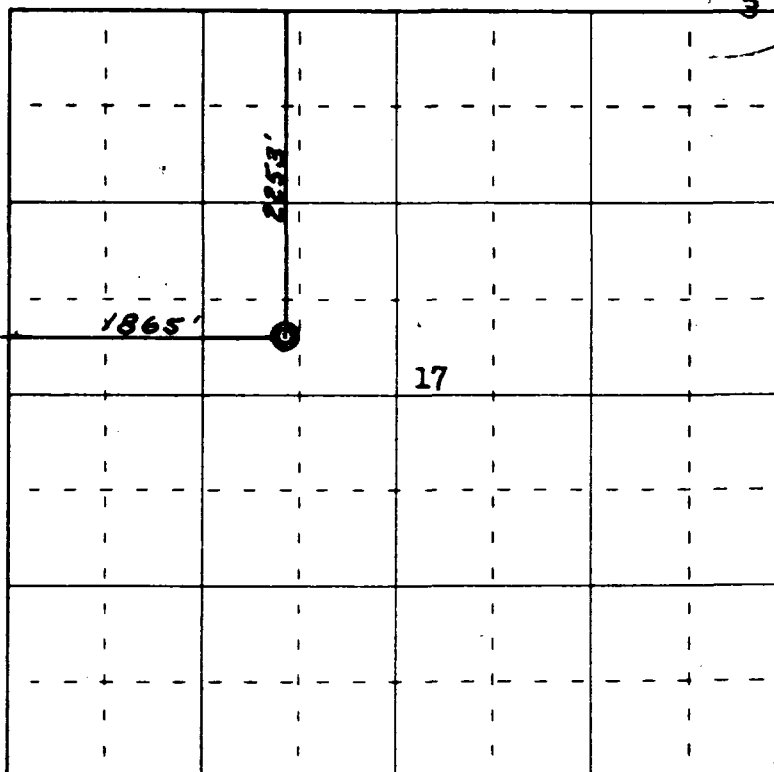
(Representative)

Box 2197

(Address)

Farmington, New Mexico

Note: All distances must be from outer boundaries of section.



0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1600 1400 1200 1000 800 600 400 200 0

Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 24 January, 1964
James O. Reese  
 Registered Professional Engineer and/or Land Surveyor

Farmington, New Mexico

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVJO UTE MTN. TRI

7. UNIT AGREEMENT NAME

MANY ROCKS GALLUP FRA

8. FARM OR LEASE NAME

MANY ROCKS

9. WELL NO.

1-W

10. FIELD AND POOL, OR WILDCAT

WATER SUPPLY

11. SEC., T., R., M., OR BLM. AND  
SURVEY OR AREA

SEC. 17, T-31N, R-16W

12. COUNTY OR PARISH

SAN JUAN

N. M.

SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ WATER SUPPLY2. NAME OF OPERATOR  
THE ATLANTIC REFINING COMPANY3. ADDRESS OF OPERATOR  
BOX 2197 FARMINGTON, N. M.4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

3E NW ( 2253' FWL &amp; 1865' FWL ) SEC. 17

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

OR 5710' DF 5719'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐SPUD & CASING ☒(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

Spudded at 5:00 P.M. 3/21/64. Drilled 17 1/2" hole to 110'. Ran 3 Jts.  
13 3/8" O.D. 48 1/2' H-40 casing (94.37') set at 105.87'. Cemented w/ 125  
sx cement plus 2% GACL<sub>2</sub>. Cement circulated. Plug down at 1:30 P.M.  
3/22/64. W.O.C. 36 hr. & tested casing w/ 500 psi o.k.

Drilled 12 1/2" hole to 3644' T.D. Ran 115 Jts. 8 5/8" O.D. 32 1/2' H-40 & J-55  
casing w/ guide shoe & float collar (3608.11') set at 3617.86'. Cemented  
thru shoe w/ 575 sx class "c" cement plus 4% gel & 12% Gillisonite per  
sack and thru stage collar at 1858' w/ 270 sacks class "c" cement plus  
4% gel and 12% Gillisonite per sack. First stage plug down at 12:25 PM  
4/9/64. Second stage plug down 1:40 PM 4/9/64. W.O.C. 90 hrs. & drilled  
stage tool. Tested 8 5/8" csg. w/ 900# for 30 min. o.k.

ILLEGIBLE

18. I hereby certify that the foregoing is true and correct

SIGNED

B. J. Sartain

TITLE

DELEG. PROD. SUPV.

DATE

5/5/64

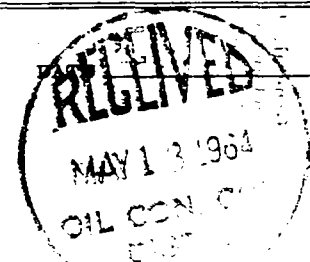
(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

3. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO UTE MTH. TRIB

7. UNIT AGREEMENT NAME

MARY ROCK GALLUP P

8. FARM OR LEASE NAME

MARY ROCKS

9. WELL NO.

1-W

10. FIELD AND POOL, OR WILDCAT

WATER SUPPLY

11. SEC., T., R., M., OR BEG. AND SURVEY OR AREA

SEC. 17, T-31N, R-16W

12. COUNTY OR PARISH

SAN JUAN

13. STATE

N. M.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER

WATER SUPPLY

2. NAME OF OPERATOR

THE ATLANTIC REFINING COMPANY

3. ADDRESS OF OPERATOR

BOX 2197 FARMINGTON, N.M.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

35 NW ( 2253' FNL & 1865' FNL ) SEC. 17

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

OR 5710' DF 5719'

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

REPORT OF DST'S

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

DST #1 - Dakota - open hole 2241-2450, 5/8 b.c., no w.c.. Tool open 90 min. Had strong blow which decreased to very weak at end. Recovered 1820' muddy water.  
IHMP-1145#, ISI-773# (1hr.), IF-493#, FF-773#, FSI-773# (1hr.)

DST #2 - Morrison - open hole 2697-2987 5/8 b.c., no w.c.. Tool open 45 min. Had initial good blow which decreased to very weak at end. Recovered 1740' muddy water.  
IHMP-1438#, ISI-893# (1hr.), IF-781#, FSI-893# (1hr.)

DST #3 - Entrada - open hole 3423-3471, 5/8 b.c., no w.c.. Tool open 1 hr. Had immed. fair blow which inc. to good blow in 5 min. and decreased to weak blow at end. Recovered 1617' muddy water.  
IHMP-2880#, ISI-1353# (1hr.), IF-320, FF-724, FSI-1324 (1hr.)

ILLEGIBLE

18. I hereby certify that the foregoing is true and correct

SIGNED

B. J. Sartain

TITLE DRUG. PROD. SUPV.

DATE 9/5/64

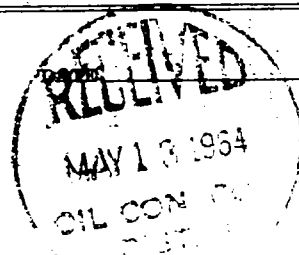
(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-600-3531**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**NAV. JERE MTH. TRIB.**

7. UNIT AGREEMENT NAME  
**MANY ROCKS GALLUP PHO**

8. FARM OR LEASE NAME  
**MANY ROCKS GALLUP**

9. WELL NO.  
**1-4**

10. FIELD AND POOL, OR WILDCAT  
**WATER SUPPLY**

11. SEC. T. R. OR BLK. AND  
SUBSET OF AREA  
**SEC. 17, T-31N, R-16W**

12. COUNTY OR PARISH  
**SAN JUAN**

13. STATE  
**N. M.**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ **WATER SUPPLY**

2. NAME OF OPERATOR  
**THE ATLANTIC REFINING COMPANY**

3. ADDRESS OF OPERATOR  
**BOX 2197 FARMINGTON, N. M.**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

**65 NW ( 2253' FWL & 1863' FWL ) SEC. 17**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

**OR 3710 RT 3719**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT ON:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

**PERFORATIVE**

REPAIRING WELL

ALTERING CASING

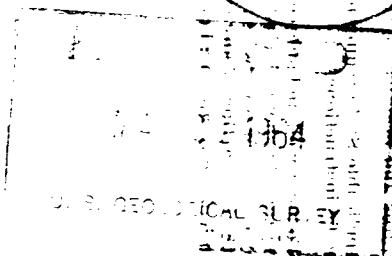
ABANDONMENT\*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 5/5/64, perforated Entrada Formation 3428-3433, 3445-3452  
and 3482-3551 with 2 Jets/ft. for water supply.

**ILLEGIBLE**



18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Sartin

TITLE DELO. PROD. SUPV.

DATE 5/18/64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-B1434.  
5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Supply</b>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR <b>The Atlantic Refining Company</b>	8. FARM OR LEASE NAME <b>Mary Beaka Goldsop Pr</b>
3. ADDRESS OF OPERATOR <b>Box 2197 Farmington, N. H.</b>	9. WELL NO. <b>1-1</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>SE NW (Unit F) 2253' PVL &amp; 1863' PVL Sec. 17</b>	10. FIELD AND POOL, OR WARD OR SURVEY OR AREA <b>Sec. 17, T. 33N, R. 16W</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>GR 5710'</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

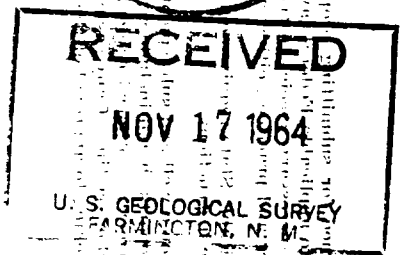
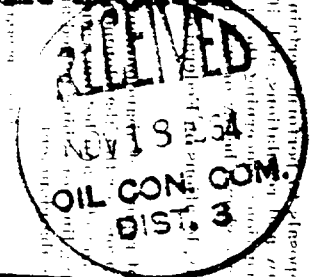
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT ON:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 11-2-64 perforated Morrises formation from 2956 to 2964 with 1 jet/ft. Resumed producing with Entrada and Morrises coming in.

ILLEGIBLE



"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"

18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Sartain TITLE Drilling Production Super DATE 11-13-64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3431

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo - Ute Mtn.

7. UNIT AGREEMENT NAME

Many Rocks Gallup proje

8. FARM OR LEASE NAME

Many Rocks Gallup project

9. WELL NO.

154

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., E., OR S.W. AND  
SURVEY OR AREA

Sec. 17-31N-16W

12. COUNTY OR PARISH

San Juan

13. STATE  
New Mexico

1. OIL ☐ GAS ☒ OTHER ☐  
WELL WELL WELL Water Supply Well

2. NAME OF OPERATOR

ARCO Oil and Gas Company, Division of Atlantic Richfield

3. ADDRESS OF OPERATOR

Company

1860 Lincoln St. - Suite 501, Denver, CO 80295

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)  
At surface

SE NW (Unit 7) 2253' FNL and 1865' FWL Sec. 17

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

GR 5710'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Operator Name Change

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Operator Name Change

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

X

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

To indicate change in name of Operator to ARCO Oil and Gas Company, Division of  
Atlantic Richfield Company, assumed name for formerly Atlantic Richfield Company,  
effective April 1, 1979.



18. I hereby certify that the foregoing is true and correct

SIGNED

G. Ray Cooper

TITLE

Accounting Supervisor

DATE

3-20-79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ynmocc

\*See Instructions on Reverse Side

Okal

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

14-20-600-3531

6. If Indian, Allottee or Tribe Name

NAUAIJO

7. If Unit or CA, Agreement Designation

MANY ROCKS GALLUP

8. Well Name and No. 6P P 2

MANY ROCKS #1W

9. API Well No.

10. Field and Pool, or Exploratory Area

MANY ROCKS

11. County or Parish, State

SAN JUAN, NM

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

WATER Supply Well

2. Name of Operator

BK Petroleum Inc.

3. Address and Telephone No.

P.O. Box 826 Farmington, NM 50532-309

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2253' FNL, 1865' FWL, Sec 17, T31N, R16W  
16W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PLAN TO Plug well As Follows:

1. Place First Plug @ 3400' CAP w/ 50'
2. Place 2nd Plug @ 2900' CAP w/ 50'
3. Place 3rd Plug @ 2391 - 2491
4. Place 4th Plug 2268 - 2168
5. Place 5th Plug 1451 - 1351
6. Place 6th Plug 360 - 260 INSIDE AND OUTSIDE

7.

Place 7th Plug From 150' TO SURFACE. IN + OUT

8. SET DRY hole MARKER AND RECLAIM LOCATION

14. I hereby certify that the foregoing is true and correct

Signed

*Brad Walls*

Title

President

Date

12-17-97

(This space for Federal or State office use)

Approved by

/s/ Duane W. Spencer

Title

Date

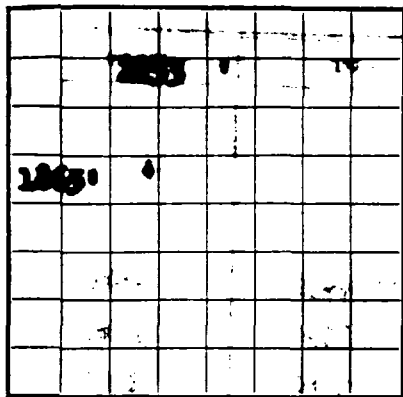
JAN 16 1998

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

NMOC



FORMATION RECORD

TOTAL FEET

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

14-30-60-351

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

AUG 31 1964

LOG OF

WELL

U. S. GEOLOGICAL SURVEY  
WASHINGTON, D. C.

LOCATE WELL CORRECTLY

Company The Atlantic Refining Company Address Box 2197, Farmington, New Mexico  
 Lessor or Tract Navajo - Ute Mts. Field Navajo State New Mexico  
 Well No. 1-4 Sec. 17 T. 31N R. 16W Meridian 10N County San Juan  
 Location 2253 ft. N of 8 Line and 1005 ft. E of 1 Line of Section 17 Elevation 7739  
 (Derivat floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

B. J. Santari

Date August 28, 1964Title Drig. Prod. Supv.

The summary on this page is for the condition of the well at above date.

Commenced drilling 1/21, 1964 Finished drilling 1/21, 1964

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1625 to 1635 No. 4, from 1635 to 1645  
 No. 2, from 1645 to 1705 No. 5, from 1705 to 1715  
 No. 3, from 1715 to 1725 No. 6, from 1725 to 1735

## IMPORTANT WATER SANDS

No. 1, from 2247 to 2248 No. 3, from 2248 to 2253  
 No. 2, from 2248 to 2249 No. 4, from 2249 to 2250

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13 3/4	105.00	125	API	125	Pump & Plug				Out. circulated
8 3/4	50.17	84.5	API	84.5	"				Annulus fill

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/4	105.00	125	Pump & Plug		Out. circulated
8 3/4	50.17	84.5	"	9.84 gal	Annulus fill

ILLEGIBLE



Adapters—Material

Size

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## HISTORY TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
 DATES \_\_\_\_\_

Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment.

Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_

Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_ Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_ Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	300	300	Shale (Hard) - Sand & shale
300	1993	1203	Shale - Shale
1993	1772	170	Gallup (Hiphway)
			1625-1635 Upper Gallup Sand
			1736-1766 Lower Gallup Sand
1772	2140	368	Cogito (Jesse Lopez)
2140	2072	70	Greenhorn
2072	2040	32	Greenhorn
2040	2040	194	Shale
2040	2030	94	Shale
2030	2030	118	Shale
2030	2044 T.D.	92	?
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

10-48004-5

ILLEGIBLE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator BK Petroleum Inc  
% NMOC

3. Address and Telephone No.

1000 Rio Brazos Rd. Aztec NM 87410 334-6178

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

18-31N-16W 360/N-855/E

5. Lease Designation and Serial No.

14-20-600-3531

6. If Indian, Allottee or Tribe Name

Navajo Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.

16 Many Rocks

9. API Well No.

3004510840

10. Field and Pool, or Exploratory Area

Many Rocks Gallup

11. County or Parish, State

San Juan, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached plugging procedure.

14. I hereby certify that the foregoing is true and correct

Signed NMOC CONTRACT Plugging

Date 8/11/00

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date 8/17/00

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

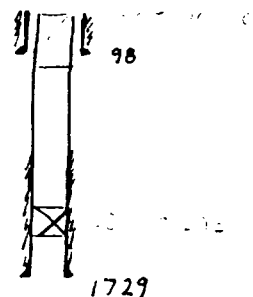
NMOC

**API NUMBER** 30-045-10840  
**OPERATOR NAME** BK PETROLEUM INC  
**PROPERTY NAME** MANY ROCKS GALLUP UNIT  
**SECTION** 18 **TOWNSHIP** 31N **RANGE** 16W  
**FOOTAGE** 360 FNL- 855 FEL UL 'A'

Sur Csg OD 12 1/4" HOLE	8 5/8	XX			XX
SUR CSG TD	98	XX			XX
SUR CSG WT	26.4	XX			XX
TOP OF CMT	0	XX			XX
ACTUAL	CIRC	XX	XX		XX
CACULATED	85SX	XX	XX		XX
PROD CSG OD 6 3/4 HOLE	4 1/2	XX	XX		XX
PROD CSG TD	1729	XX	XX		XX
PROD CSG WT	9.5	XX	XX		XX
TOP OF CMT	371	XX	XX		XX
FORMATION TOP	ACTUAL		XX		XX
GALLUP <del>1493</del> 1303	CACULATED		XX		XX
	PERF TOP		XX		XX
	PERF BOTTOM		XX		XX
	PACKER		XX		XX
	TYPE OF PLUG		XX		XX
	CIBP & CMT		XX		XX
	CMT		XX		XX

#### PROPOSED PLUGGING OPERATION

MIRU PU, BOPE, TOOH W/ TUBING & RODS, RIH W/WORK STRING, CIRC HOLE  
 SPOT 14 SX PLUG 1510-1300, WOC TAG, TOP AS REQUIRED, POOH  
 RIH, PERF @ 148', CIRC CMT TO SURFACE, LEAVE CSG FULL, EST 35 SX  
 CUT OFF WELLHEAD, INSTALL P&A MARKER, DIG AND CUT ANCHORS,  
 Close pits according to guidelines: Clean and level location



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_

Navajo-Ninewa Tribal

Allottee \_\_\_\_\_

Lease No. 14-22-600-353

## SUNDRY NOTICES AND REPORTS ON WELLS

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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			

RECEIVED  
JAN 23 1963  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

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

January 22, 1963

Navajo  
Well No. 14-22-600-353 is located 360 ft. from N line and 855 ft. from E line of sec. 14  
NE 1/4 NE 1/4 Sec. 14 T1N 14W R10W  
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Undesignated San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> above sea level is 5675 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 this well to test the producing possibilities of the Gallup sand. Estimated total depth is 1700'.

100' of 8 5/8" O.D. 21# casing will be set and cemented to surface. 4 1/2" O.D. 9.5# casing will be run and cemented to approximately 800' if production is commercial.

Estimated top of Gallup sand is 1630'. A Sand Oil Frac will probably be necessary to stimulate production.

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

Company THE ATLANTIC REFINING COMPANYAddress P. O. BOX 2197FARMINGTON, NEW MEXICOBy B. G. SartainTitle Drilling & Production Supervisor

ILLEGIBLE

## NEW MEXICO OIL CONSERVATION COMMISSION

## Well Location and Acreage Dedication Plat

Section A.

Date

JANUARY 22, 1963

Operator ATLANTIC OIL AND REFINING CO. Lease NAVAJO 18  
 Well No. 1 Unit Letter A Section 18 Township 31 NORTH Range 16 WEST NMPM  
 Located 360 Feet From the NORTH Line, 855 Feet From the EAST Line  
 County SAN JUAN G. L. Elevation 5675.0' Dedicated Acreage 2.2 Acres  
 Name of Producing Formation Gallop Pool Undesignated

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes    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

# ILLEGIBLE

## 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.

THE ATLANTIC OIL AND REFINING CO.

(Operator)

B. G. Sartain

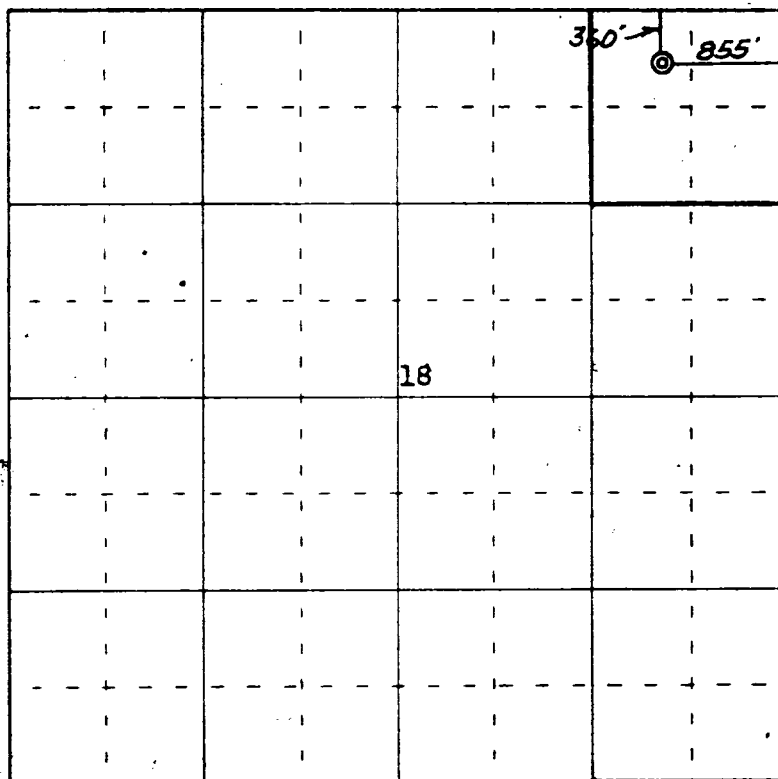
(Representative)

P. O. BOX 2157

(Address)

FARMINGTON, NEW MEXICO

Note: All distances must be from outer boundaries of section.



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile

JAN 24 1963

OIL CON. COM.  
DIST. 3

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed 9 January 1963

James P. Leese  
 Registered Professional Engineer and/or Land Surveyor  
 James P. Leese, N. Mex. Reg. No. 1463  
 San Juan Engineering Company

Farmington, New Mexico

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_

Navajo - Pie Ma

Allottee \_\_\_\_\_

Lease No. 11-20-400-353


SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<b>RECEIVED</b> FEB 6 1963 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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	<u>Subsequent report of casing</u>	

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

February 4, 1963

Navajo  
Well No. 18-1 31-16 is located 360 ft. from [N] line and 855 ft. from [E] line of sec. 18

NE/4 NE/4 Sec. 18 11-N 16-W NMPM  
(34 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Undesignated San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5684 ft.

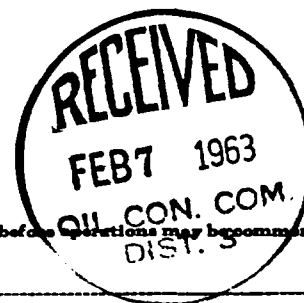
DETAILS OF WORK

(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)

Spudded well at 1:30 P.M. 2-2-63. Drilled 12 1/2" hole to 103'. Ran 8 5/8" O.D. 28# N-40 casing set at 98.58. Cemented with 85 sx cement + 2% CaOlg. Cemented circulated. Job complete at 8:30 P.M. 2-2-63.

W.O.C. 12 hrs. and tested casing w/500# for 30 min OK. Started drilling cement plug with air.

ILLEGIBLE



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

Company The Atlantic Refining Company

Address P. O. Box 2197

Farmington, N.M.

By B. J. Sartain

Title Drilling & Production Supervisor


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-23884

Indian Agency \_\_\_\_\_

Allettee \_\_\_\_\_

Lease No. 21-00-000-000

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 REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING 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)

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

\_\_\_\_\_ 1963

Well No. 21-00-000-000 is located 200 ft. from N line and 400 ft. from E line of sec. 20

21-00-000-000 (1/4 Sec. and Sec. No.) 200 (Twp.) 200 (Range) 200 (Meridian)  
21-00-000-000 (Field) 200 (County or Subdivision) 200 (State or Territory)

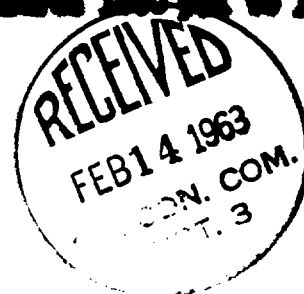
The elevation of the ground above sea level is 2000 ft.

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)

Perforated 1 1/2" casing from 1400 to 1450 with 20 joints. Sand - 612 - Perforated down 1 1/2" casing with 1400/20/20 sand in 200 lbs. Loose sand plus 200 gal 2-97. Total 2000/2000 gal average rate 20 lbs. Perforated 1400 gal to 2000 gal. Job complete 11:00 on 2-4-63.

ILLEGIBLE



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

Company The Atlantic Refining Co.

Address Box 2197

Farmington, N.M.

By B. J. Sartin

Title Drilling & Prod. Supervisor



THE ATLANTIC REFINING COMPANY  
INCORPORATED - 1870  
PETROLEUM PRODUCTS  
ATLANTIC BUILDING  
DALLAS, TEXAS

DOMESTIC PRODUCING DEPT.

P. O. BOX 2197  
Farmington, New Mexico  
February 18, 1963

State of New Mexico  
Oil Conservation Commission  
1000 Rio Bragos Road  
Aztec, New Mexico

Gentlemen:

A tabulation of the straight hole tests which were run on our Navajo 18-1 31-16 well is shown below. This well is located 360' FNL and 855' FEL Section 18, T-31N, R-16W, San Juan County, New Mexico.

<u>DEPTH</u>	<u>DEVIATION</u>
60'	1°
500'	1°
1000'	1°
1625'	1°

T.D. 1734

This well was drilled by Whigham Drilling Company between February 2, 1963 and February 5, 1963.

Yours truly,  
THE ATLANTIC REFINING CO.  
*B. J. Sartain*  
B. J. Sartain  
Drilling & Production Supervisor

AFFIDAVIT

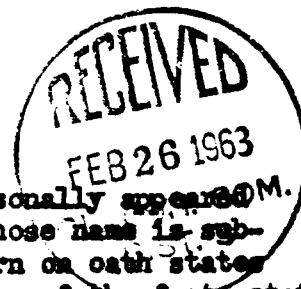
STATE OF NEW MEXICO

COUNTY OF San Juan

Before me, the undersigned authority on this day personally appeared B. J. Sartain, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein, and that said report is true and correct.

Subscribed and sworn to before me this 22nd day of Feb, 1963.

My Commission Expires:



*Harold L. Whigham*  
Notary Public





THE ATLANTIC REFINING COMPANY  
INCORPORATED - 1870  
PETROLEUM PRODUCTS  
ATLANTIC BUILDING  
DALLAS, TEXAS

DOMESTIC PRODUCING DEPT.

P. O. BOX 2197  
Farmington, New Mexico  
February 18, 1963

State of New Mexico  
Oil Conservation Commission  
1000 Rio Bragan Road  
Alto, New Mexico

Gentlemen:

A tabulation of the straight hole tests which were run on our Navajo  
18-1 31-16 well is shown below. This well is located 360' FNL and  
855' FEL Section 18, T-31N, R-16W, San Juan County, New Mexico.

<u>DEPTH</u>	<u>DEVIATION</u>
60'	1°
500'	1°
1000'	1°
1625	1°

T.D. 1734

This well was drilled by Whigham Drilling Company between February  
2, 1963 and February 5, 1963.



Yours truly,  
THE ATLANTIC REFINING CO.  
*B. J. Sartain*  
B. J. Sartain  
Drilling & Production Supervisor

AFFIDAVIT

STATE OF NEW MEXICO

COUNTY OF San Juan

Before me, the undersigned authority on this day personally appeared  
B. J. Sartain, known to me to be the person whose name is sub-  
scribed to the above instrument, who being by me duly sworn on oath states  
that he is authorized to make this report and has knowledge of the facts stated  
herein, and that said report is true and correct.

Subscribed and sworn to before me this 22<sup>nd</sup> day of Feb, 1963

My Commission Expires:

Margaret L. Wyman

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRORATION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator <b>The Atlantic Refining Company</b>				Lease <b>Navajo 18</b>		Well No. <b># 30-1-31-14</b>	
Unit Letter <b>A</b>	Section <b>18</b>	Township <b>31-N</b>	Range <b>16-W</b>	County <b>San Juan</b>			
Pool <b>Undersaturated</b>				Kind of Lease (State, Fed, Fee) <b>Fed. Navajo Tribal</b>			
If well produces oil or condensate give location of tanks		Unit Letter <b>A</b>	Section <b>18</b>	Township <b>31-N</b>	Range <b>16-W</b>		
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>P. O. Box 1702 Farmington, New Mexico</b>			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/>		Date Connected	Address (give address to which approved copy of this form is to be sent)				

If gas is not being sold, give reasons and also explain its present disposition:

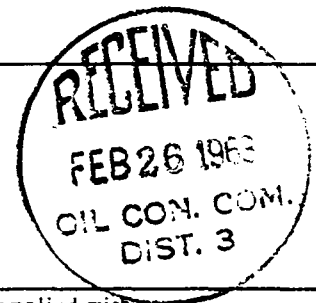
**No market - used for lease fuel.**

**REASON(S) FOR FILING (please check proper box)**

New Well ..... ☒  
 Change in Transporter (check one)  
 Oil ..... ☐ Dry Gas ..... ☐  
 Casing head gas . ☐ Condensate.. ☐

Change in Ownership ..... ☐  
 Other (explain below)

Remarks



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 22 day of February, 1963.

OIL CONSERVATION COMMISSION		By <b>B. S. Sartin</b>
Approved by <b>Original Signed Emery C. Arnold</b>		Title <b>Drilling and Production Supervisor</b>
Title <b>Supervisor Dist. # 3</b>		Company <b>The Atlantic Refining Company</b>
Date <b>FEB 26 1963</b>		Address <b>Box 2197 Farmington, N. M.</b>

# ILLEGIBLE

## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

### REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico  
(Place)

2/22/63  
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

The Atlantic Refining Co. Navajo Well No. 18-1 in NE 1/4 NE 1/4  
(Company or Operator) (Lease)

A Sec. 18 T. 31-N R. 16-W NMPM., Undesignated Pool  
Unit Letter

San Juan

County. Date Spudded 2/2/63 Date Drilling Completed 2/5/63

Please indicate location:

Elevation 4684 D. F. Total Depth 1734' PBTD 1693'

Top Oil/Gas Pay 1653' Name of Prod. Form. Gallup Sand

#### PRODUCING INTERVAL -

Perforations 1653' to 1658'

Open Hole None Depth 1729' Casing Shoe 1729' Depth 1664' Tubing

#### OIL WELL TEST -

Natural Prod. Test: None bbls. oil, None bbls water in None hrs, None min. Size None

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): 20 bbls. oil, 0 bbls water in 24 hrs, 0 min. Size Pumping

#### GAS WELL TEST -

Natural Prod. Test: None MCF/Day; Hours flowed None Choke Size None

Method of Testing (pitot, back pressure, etc.): None

Test After Acid or Fracture Treatment: None MCF/Day; Hours flowed None

Choke Size None Method of Testing: None

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and

sand): 15,000# 10/20 sand in 12936 gal. lease crude

Casing None Tubing None Date first new None  
Press. None Press. Pumping Oil run to tanks February 21, 1963

Oil Transporter McWood Corporation

Gas Transporter None

#### Tubing, Casing and Cementing Record

Size	Feet	SAX
8 5/8	98	85
4 1/2	1729	125
2 3/8	1664	

Remarks: Tabulation of straight hole tests attached.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved February 22 FEB 26 1963, 19 63

The Atlantic Refining Company  
(Company or Operator)

By: B. J. Dartin  
(Signature)

Title Drilling and Production Supervisor

Send Communications regarding well to:

Name Atlantic Refining Company

Address P. O. Box 2197 Farmington, N.M.

OIL CONSERVATION COMMISSION

By: Original Signed Emery C. Arnold

Title Supervisor Dist. #3

RECEIVED

FEB 26 1963

DN. COM.  
ST. 3

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_

Navajo - Rio San Pedro

Allettee \_\_\_\_\_

Lease No. 11-28-60-111


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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

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

Navajo 11-1

Well No. 11-16 is located 340 ft. from N line and 855 ft. from E line of sec. 11

11-16 (Range) 11-16 (Meridian)

Lower Rio Grande Valley (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the ~~derrick floor~~ <sup>ground</sup> above sea level is 5675 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)

This well was completed in the Lower Gallup on 2-11-63. Perforations 1653'-1655'. We propose to dual complete this well in the Upper Gallup. Perforate 1528'-1530' and sand oil free with 10,000# 10/20 sand and 1500# 8 /12 glass beads.

ILLEGIBLE



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

Company The Atlantic Refining Co.

Address Box 2197

Farmington, N.M.

By *L. Roy Knott*

Title Production Foreman

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
PRODUCTION OFFICE	
OPERATOR	2

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

FORM C-110  
(Rev. 7-60)

**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS**

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator <b>The Atlantic Refining Company</b>				Lease <b>Many Rocks Gallup Proj.</b>		Well No. <b>16</b>
Unit Letter <b>A</b>	Section <b>7B</b>	Township <b>31N</b>	Range <b>16W</b>	County <b>San Juan</b>		
Pool <b>Many Rocks Gallup</b>				Kind of Lease (State, Fed. Fee) <b>Navajo Ute Nat. Tribal</b>		
If well produces oil or condensate give location of tanks		Unit Letter	Section	Township	Range	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702 Farmington, New Mexico</b>		
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/> <b>None</b>		Date Connected	Address (give address to which approved copy of this form is to be sent)			

If gas is not being sold, give reasons and also explain its present disposition:

**No market. Used for lease fuel.**

**REASON(S) FOR FILING (please check proper box)**

New Well ☐  
Change in Transporter (check one)  
Oil ☐ Dry Gas ☐  
Casing head gas ☐ Condensate ☐

Change in Ownership ☐  
Other (explain below)

**Change in well name as part of Many Rocks  
Project which was effective at 7:00 A.M.  
1-1-64**

Remarks

**This replaces Form C-110 which was filed 1-29-64, because well numbering  
system was not acceptable**

**RECEIVED**

**FEB 14 1964**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

**OIL CON. COM.  
DIST. 3**

Executed this the **12** day of **February**, 19**64**.

OIL CONSERVATION COMMISSION		By <b>B. J. Sartin</b>
Approved by <b>Original Signed Emery C. Arnold</b>		Title <b>Drilling &amp; Production Supervisor</b>
Title <b>Supervisor Dist. # 3</b>		Company <b>The Atlantic Refining Company</b>
Date <b>FEB 14 1964</b>		Address <b>Box 2197, Farmington, New Mexico</b>

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator <b>The Atlantic Refining Co.</b>				Lease <b>Many Rocks Gallup Project A</b>		Well No. <b>18-<del>AE</del></b>	
Unit Letter <b>A</b>	Section <b>18</b>	Township <b>31-N</b>	Range <b>16-W</b>	County <b>San Juan</b>			
Pool <b>Many Rocks Gallup</b>				Kind of Lease (State, Fed, etc.) <b>Navajo Ute Mtn. Tribal</b>			
If well produces oil or condensate give location of tanks			Unit Letter	Section	Township	Range	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702, Farmington, New Mexico</b>			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/> <b>No Market</b>			Date Connected	Address (give address to which approved copy of this form is to be sent)			

If gas is not being sold, give reasons and also explain its present disposition:

**No Market. Used for lease fuel**

**REASON(S) FOR FILING (please check proper box)**

New Well ..... ☐  
 Change in Transporter (check one)  
 Oil ..... ☐ Dry Gas ..... ☐  
 Casing head gas . ☐ Condensate... ☐

Change in Ownership ..... ☐  
 Other (explain below)  
**Change in well name as part of Many Rocks Gallup Project which was effective at 7:00 A.M. 1-1-64**

Remarks

**Agreement actually signed 1-17-64, made retroactive to 1-1-64**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with

Executed this the **23** day of **January**, 19 **64**

OIL CONSERVATION COMMISSION

Approved by

**Original Signed Emery C. Arnold**

Title

**Supervisor Dist. # 3**

Date

**JAN 29 1964**

By

**B. J. Bortain**

Title

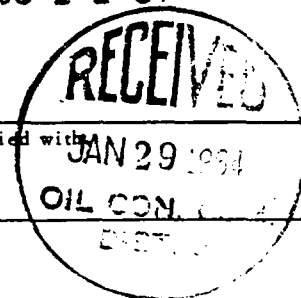
**Drilling & Production Supervisor**

Company

**The Atlantic Refining Company**

Address

**Box 2197, Farmington, New Mexico**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-600-3531</b>
2. NAME OF OPERATOR <b>The Atlantic Refining Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo-Ute Mtn.</b>
3. ADDRESS OF OPERATOR <b>Box 2197 Farmington, N.M.</b>		7. UNIT AGREEMENT NAME <b>Pro Many Rocks Gallup</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE NE (Unit A) 360' FNL &amp; 855' FEL) Sec. 18</b>		8. FARM OR LEASE NAME <b>Many Rocks Gallup</b>
14. PERMIT NO.		9. WELL NO. <b>16</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>GR 5675'</b>		10. FIELD AND POOL, OR WILDCAT <b>Many Rocks Gallup</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 18, T-31N, R-1E</b>
		12. COUNTY OR PARISH <b>San Juan</b>
		13. STATE <b>N.M.</b>

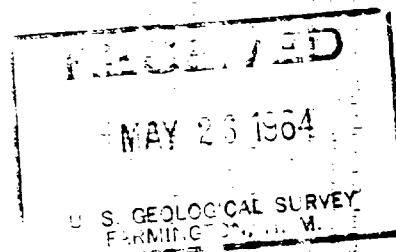
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

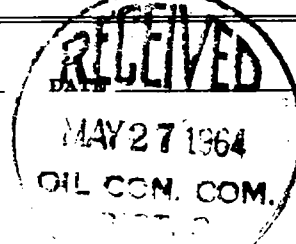
Pulled rods and tubing on 8/6/63. Perforated upper Gallup 1528-1532' w/4 Jets/ft.  
Set retrievable bridge plug at 1575.  
Sand oil fractured upper Gallup w/ 150 gal mud acid followed by 10,000# 10/20 sand and 1500# 8/12 glass beads in 19,300 gal lease crude. FBDP 2200 psi/ 1600 psi. Avg rate 27 bpm @ 1650 psi.  
Job complete 5:15 p.m. 8/6/63.



18. I hereby certify that the foregoing is true and correct

SIGNED <u>B. G. Sartain</u>	TITLE <u>Drlg. Prod. Supv.</u>	DATE <u>5/25/64</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	
CONDITIONS OF APPROVAL, IF ANY:		

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3331

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo-De Mita Tribal7. UNIT AGREEMENT NAME  
Many Rocks Oil & Gas Project

8. FARM OR LEASE NAME

9. WELL NO.  
#15

10. FIELD AND POOL, OR WILDCAT

Many Rocks  
11. SEC., T., R. M., OR BLM. AND  
SURVEY OR AREA  
Sec 18, Twp 31N, Rge 16W  
N P M12. COUNTY OR PARISH 13. STATE  
San Juan N. Mexico

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection Well</b>	14. PERMIT NO.
2. NAME OF OPERATOR <b>The Atlantic Refining Company</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5484' BKB</b>
3. ADDRESS OF OPERATOR <b>Box 2197 Farmington, N. Mexico</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>340' FWL &amp; 835' FWL of Sec 18, Twp. 31N, Rge 16W, San Juan Co., N. Mexico N P M</b>	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

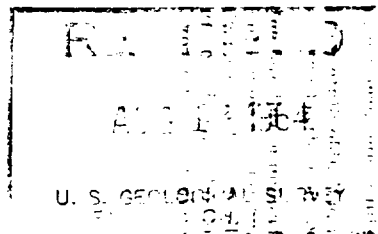
ABANDONMENT\*

**Water Injection well**(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Plan to convert subject well to inject water into both zones of the Gallup Formation. It has been necessary to locate injection wells on the south western side of the project near the center of the reservoir in order to obtain sufficient injection rates. Moving proposed injection well No. 15 in parts, this well only a few hundred feet from Well No 16. Well No. 16 is presently an upper zone injection and lower zone producer.

"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"



18. I hereby certify that the foregoing is true and correct

SIGNED **R. O. Childers**TITLE **Dist. Dir. & Prod. Supt.**DATE **8/11/64**

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

ILLEGIBLE



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection Well</b>	5. LEASE DESIGNATION AND SERIAL NO. <b>14-00-000-100</b>
2. NAME OF OPERATOR <b>The Atlantic Richfield Company</b>	6. IF APPLICABLE, RESERVOIR OR SERIES NAME <b>None</b>
3. ADDRESS OF OPERATOR <b>Box 1000, Farmington, N.M.</b>	7. OPERATOR'S NAME <b>None</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  <b>360' FWL &amp; 825' FWL of Sec 18, Twp. 31N, Rge 1 W</b>	8. FIRM OR LEASE NAME <b>None</b>
14. PERMIT NO.	9. WELL NO. <b>14</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>540' FWL</b>	10. FIELD AND POOL, OR WILDCAT <b>None</b>
	11. SURVEY, E, L, OR ON B.E. AND SURVEY OR AREA <b>None</b>
	12. COUNTY OR PARISH <b>San Juan</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

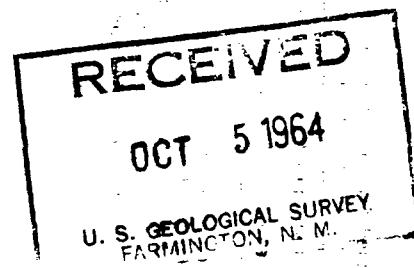
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS: <input type="checkbox"/>	(Other) <b>Convert to Water Injection</b>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 8/25/64 pulled rods and pump. Rigged up well head and started injecting water into Lower Gallup thru 2" tubing. Well had previously been an upper zone injector and lower producer. Injection into upper zone was started on 7/25/64.

ILLEGIBLE

"Effective May 3, 1966, The Atlantic Richfield Company changed its name to Atlantic Richfield Company"



18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Saxton TITLE Geological Prod. Supr. DATE 10/1/64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Nav. Ute-Mtn.

7. UNIT AGREEMENT NAME

Many Rocks Gallup Pro.

8. FARM OR LEASE NAME

Many Rocks Gallup

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection Wells

2. NAME OF OPERATOR

Atlantic Richfield

3. ADDRESS OF OPERATOR

Box 2197, Farmington, N. Mex.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

12. COUNTY OR PARISH 13. STATE

San Juan N. Mex.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

Shut-In Injection Wells

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

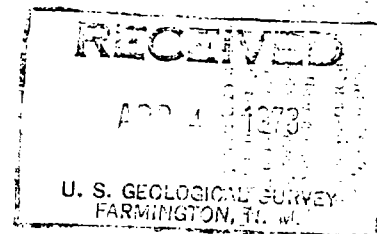
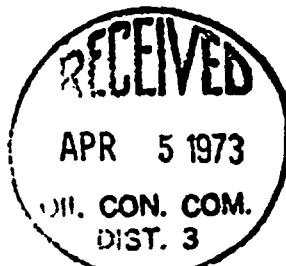
ABANDONMENT\*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

As per USGS approval, dated Jan. 23, 1973, of supplemental plan of development -- We have discontinued water injection as of March 29, 1973 on the following wells: #16, 18, 19, 21, 22, 23, & 26.

Also include Water Supply well #1-W as being shut-in March 29, 1973



18. I hereby certify that the foregoing is true and correct.

SIGNED R. R. Marker

TITLE Acting Dirg. Pro. Supv.

DATE 4/2/73

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection		5. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Ute Mountain
3. ADDRESS OF OPERATOR 1860 Lincoln Street, Suite 501, Denver, Colorado 80203		7. UNIT AGREEMENT NAME Many Rocks Gallup Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Unit A, 360' f/North & 855' f/East lines Sec. 18		8. FARM OR LEASE NAME Many Rocks Gallup
14. PERMIT NO.		9. WELL NO. 16
15. ELEVATIONS (Show whether DF, WT, CR, etc.) 5684'		10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18-31N-16W
		12. COUNTY OR PARISH San Juan
		13. STATE New Mexico

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Shut In ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Unit production declined to 27 BOPD which is below the economic limit. Injection stopped to reduce expenses and evaluate unit performance without injection.

This well was shut in 3-29-73. U.S.G.S. approved Supplemental Plan of Development 1-23-73.

This well is in a Unit. Waterflood operations have been temporarily suspended. Future plans are to conduct waterflood and tertiary recovery studies. These studies may result in a revised waterflood plan or in a tertiary recovery program that may require the use of this well in order to recover the maximum amount of oil from this reservoir.

Two copies sent to New Mexico Oil Conservation Commission

18. I hereby certify that the foregoing is true and correct

SIGNED

W. A. Walther Jr.  
W. A. Walther Jr.TITLE Dist. Prod. & Drlg. Supt.DATE 10/18/74

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)FORM APPROVED  
Budget Bureau No. 42-R1424

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>14-20-600-3531</u>	
2. NAME OF OPERATOR <u>Atlantic Richfield Company</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>Navajo-Ute Mountain</u>	
3. ADDRESS OF OPERATOR <u>1860 Lincoln Street, Suite 501, Denver, Colorado 80203</u>		7. UNIT AGREEMENT NAME <u>Many Rocks Gallup Unit</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) <u>At surface</u> <u>Unit A, 360' f/North &amp; 855' f/East lines Section 18</u>		8. FARM OR LEASE NAME <u>Many Rocks Gallup</u>	
14. PERMIT NO.		9. WELL NO. <u>16</u>	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>5684'</u>		10. FIELD AND POOL, OR WILDCAT <u>Many Rocks Gallup</u>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 18-31N-16W</u>	
		12. COUNTY OR PARISH <u>San Juan</u>	
		13. STATE <u>New Mexico</u>	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐Shut In, Extension Request

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Unit production declined to 27 BOPD which is below the economic limit. Injection stopped to reduce expenses and evaluate unit performance without injection.

This well was shut in 3-29-73. U.S.G.S. approved Supplemental Plan of Development 1-23-73.

This well is in a Unit. Waterflood operations have been temporarily suspended. Future plans are to conduct waterflood and tertiary recovery studies. These studies may result in a revised waterflood plan or in a tertiary recovery program that may require the use of this well in order to recover the maximum amount of oil from this reservoir.

TEMPORARY ABANDONMENT

EXPIRES

JUN 1 1977



Two copies sent to New Mexico Oil Conservation Commission

18. I hereby certify that the foregoing is true and correct

SIGNED

W. A. Walther, Jr.

TITLE

Operations ManagerDATE 6/04/76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NO. OF COPIES RECEIVED	
DISTRIBUTION	
DATE	
FILE	
CLASS	
AND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
LOCATION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 08-01-83  
Page 1

RECEIVED  
JUL 03 1984

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Arco Petroleum, Inc.

501 Airport Dr.-Suite 165, Farmington, N.M. 87401

Person(s) for filing (Check proper box)

New Well

Recompletion

Change in Ownership

Change in Transporter of:

☐ Oil

☐ casinghead Gas

☐ Dry Gas

☐ Condensate

Other (Please explain)

Range of ownership give name  
address of previous owner

Arco Oil & Gas Co., P.O. Box 5540, Denver, Co. 80217

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Many Rocks Gallup Unit	16	Many Rocks Gallup	Fed. 14-20-600 State, Federal or Fee 3531	
Initial Letter <u>A</u> : <u>360</u> Feet From The <u>North</u> Line and <u>855</u> Feet From The <u>East</u>				
Line of Section	18	Township	31N	Range
			16W	NMPM.
			San Juan	County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Is it Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Water injection well - shut in	501 Airport Dr. - Suite 165, Farmington,					
Is it Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
	N.M. 87401					
It produces oil or liquids, location of tanks.	Unit	Sec.	Twp.	Age.	Is gas actually connected?	When

If production is commingled with that from any other lease or pool, give commingling order number:

E: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

I certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

[Signature]  
(Signature)  
President  
July 1, 1984  
(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 03 1984, 19  
BY [Signature]  
TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different interval.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. OPERATOR NAME Many Rocks Gallup Project	
2. NAME OF OPERATOR BK Petroleum, Inc.		8. FARM OR LEASE NAME Many Rocks Gallup Unit	
3. ADDRESS OF OPERATOR 501 Airport Dr., Suite 165, Farmington, NM87401		9. WELL NO. 16	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 360' FNL, 855' FEL, Sec. 18, T31N, R16W		10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup	
11. PERMIT NO.		12. COUNTY OR COUNTIES San Juan	
13. ELEVATIONS (Show whether OF, ST, CR, etc.) GL 5689		13. STATE NM	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT RESULTS OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PLUG OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ANY NEW CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ARRANGEMENTS*	<input type="checkbox"/>
CHANGE PLANE	<input type="checkbox"/>		

(Other) Change of Operator

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and points pertinent to this work.)

Effective June 1, 1984 BK Petroleum, Inc. became Unit Operator.

RECEIVED  
SEP 23 1984  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Michael L. Kuchera TITLE Petroleum Engineer DATE 9-21-84

(This space for Federal or State official use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

ACCEPTED FOR RECORD

SEP 27 1984

For Instructions on Reporting See

FARMINGTON RESOURCE AREA  
BY 6233

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCC



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

TONY ANAYA  
GOVERNOR

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

January 10, 1986

Mr. Larry Bedford  
BK Petroleum Inc.  
PO Box 826  
Farmington, NM 87499

Re: Many Rocks Gallup Project # 6	G- 7-31N-16W
Many Rocks Gallup Project # 8	L- 7-31N-16W
Many Rocks Gallup Project #12	K- 8-31N-16W
Many Rocks Gallup Project #13	N- 7-31N-16W
Many Rocks Gallup Project #16	A-18-31N-16W ✓
Many Rocks Gallup Project #18	C-17-31N-16W
Many Rocks Gallup Project #19	E-17-31N-16W
Many Rocks Gallup Project #21	G-17-31N-16W
Many Rocks Gallup Project #22	K-17-31N-16W

Dear Mr. Bedford:

Upon review of the NMOCD files of the referenced injection wells, I find that the temporary abandonment status expired on June 1, 1977. NMOCD Rule 202.B. states that upon expiration of the permit for temporary abandonment and any extension thereto, the well shall be put to beneficial use or shall be permanently plugged and abandoned, unless it can be shown to the Division after notice and hearing that good cause exists why the well should not be plugged and abandoned, and a further extension to the temporary abandonment permit should be issued. In order to comply with NMOCD Rule 202.B. you are hereby directed to either return the referenced wells to active status or plug and abandon them within six months.

Yours truly,

Carolyn J. Taplin  
Field Representative

xc: Prentiss Childs  
✓ Well Files  
Operator File  
UIC File



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

TONY ANAYA  
GOVERNOR

February 12, 1986

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

Ms. Mildred L. Kuchera  
BK Petroleum, Inc.  
P.O. Box 826  
Farmington, NM 87401


Re: Many Rocks Gallup Project # 6	G-07-31N-16W
Many Rocks Gallup Project # 8	L-07-31N-16W
Many Rocks Gallup Project #12	K-08-31N-16W
Many Rocks Gallup Project #13	N-07-31N-16W
Many Rocks Gallup Project #16	A-18-31N-16W ✓
Many Rocks Gallup Project #18	C-17-31N-16W
Many Rocks Gallup Project #19	E-17-31N-16W
Many Rocks Gallup Project #21	G-17-31N-16W
Many Rocks Gallup Project #22	K-17-31N-16W

Dear Ms. Kuchera:

I am writing in response to your letter of February 7, 1986. NMOCD Rule 705.B.1 states that whenever there is a continuous six-month period of noninjection into any injection project, storage project, salt water disposal well, or special purpose injection well, such project or well shall be considered abandoned, and the authority for injection shall automatically terminate ipso facto. This letter will serve as notice that your authority to inject into the referenced wells has been terminated. In your letter you indicated that you plan to return the wells to active injection status. It will be necessary to apply to the Division, through notice and hearing (Form C-108), for authority to inject. Before injection can recommence, the wells must prove mechanical integrity.

You are hereby directed to either return the wells to active status, apply for extension of temporary abandonment, apply for exception to temporary abandonment or plug and abandon the wells within five months.

Yours truly,

  
Carolyn J. Taplin  
Field Representative

CJT/dj

xc: ~~Prentiss Childs~~  
✓ Well File  
OPerator File  
UIC File



(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> WIW		5. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531	
2. NAME OF OPERATOR BK Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Ute Mtn.	
3. ADDRESS OF OPERATOR P. O. Box 826, Farmington, NM 87499		7. UNIT AGREEMENT NAME Many Rocks Gallup Project	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 360' FNL, 855' FEL, Sec. 18, T31N, R16W		8. FARM OR LEASE NAME Many Rocks Gallup	
14. PERMIT NO.		9. WELL NO. 16	
15. ELEVATIONS (Show whether DF, ST, OR, etc.) GL 5689		10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup	
		11. SEC., T., R., N., OR S.E., AND SURVEY OR AREA Sec. 18, T31N, R16W	
		12. COUNTY OR PARISH San Juan	
		13. STATE NM	

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANE	<input type="checkbox"/>
(Other) Return well to production			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Water injection was discontinued at the subject well on 3/29/73.  
It is planned to convert this well to production by:

- 1) Acidizing with 500 gallons acid.
- 2) Running rods and pump.
- 3) Hang well on pump.

RECEIVED  
SEP 12 1986  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Mildred L. Kuchera TITLE Engineer

(This space for Federal or State office use)

APPROVED September 5, 1986  
AS AMENDED

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

SEP 10 1986

John S. Keller  
FOR AREA MANAGER

\*See Instructions on Reverse Side

NMOCC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator

BK Petroleum, Inc.

3. Address and Telephone No.

P.O. Box 826, Farmington, NM 87499-0826 505-326-3139

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

360' FNL, 855' FEL, Sec. 18, T31N, R16W

5. Lease Designation and Serial No.

14-20-6000-3531

6. If Indian, Allottee or Tribe Name

Navajo - Ute Mtn.

7. If Unit or CA, Agreement Designation

Many Rocks Gallup Proj.

8. Well Name and No.

Many Rocks Gallup

9. API Well No.

16

10. Field and Pool, or Exploratory Area

Many Rocks Gallup

11. County or Parish, State

San Juan County, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Return well to production  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Per your letter request dated May 3, 1993 the following has been done to return this former water injection well to production: (7/23/93). Rig up well service unit. Release Model A Baker injection packer. Trip out of hole. Go back in hole with scraper and circulate hole clean. Trip out. Go in hole with production tubing. Swab well into workover tank to ascertain commercial production. Well swabs at the rate of 3 bopd and 12 bwpd. Run 2' x 1-1/2" x 8' RWAC inset pump and 5/8" rods. Hang well on and rig down pulling unit. Bring pump jack to location. Wait on electric hook up and flowline tie in.

RECEIVED

AUG 17 1993

OIL CON. DIV.  
DIST. 3

FARMINGTON, NM

AUG 11 AM 9:52

RECEIVED  
BLM

14. I hereby certify that the foregoing is true and correct

Signed Resident Engineer Title Engineer

Date 8-10-93

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side  
NMOOD

FARMINGTON DISTRICT OFFICE

505

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. 14-20-600-3531
2. Name of Operator BK Petroleum, Inc.	6. If Indian, Allottee or Tribe Name Navajo - Ute Mtn.
3. Address and Telephone No. P.O. Box 826, Farmington, NM 87499-0826 (505) 326-3139	7. If Unit or CA, Agreement Designation Many Rocks Gallup Proj.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 360' FNL, 855' FEL, Section 18, T31N, R16W	8. Well Name and No. Many Rocks Gallup #16
	9. API Well No. 30-045-10840
	10. Field and Pool, or Exploratory Area Many Rocks Gallup
	11. County or Parish, State San Juan County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Return well to production	<input type="checkbox"/> Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

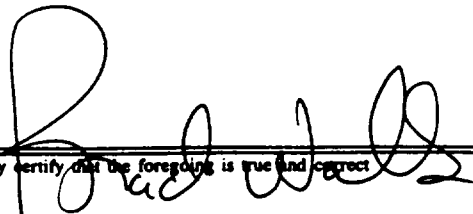
Per your letter, the following was done to return this shut-in oil well to production.

- 1) Repaired the broken 480 Volt switch box
- 2) Returned well to production status

RECEIVED  
OCT 31 1997  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
97 OCT 27 PM 4:29  
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed 	Title President	Date October 21, 1997
(This space for Federal or State office use)		
Approved by _____	Title _____	
Conditions of approval, if any: _____		

ACCEPTED FOR RECORD

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

14-20-600-3531

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Atlantic Refining Co. Address P. O. Box 2197, Farmington, N.M.Lessor or Tract Navajo Field N. Navascho State New MexicoWell No. 18-1 Sec. 18 T. 31N R. 16W Meridian NPN County San JuanLocation 360 ft. S. of N. Line and 855 ft. W. of E. Line of Section 18 Elevation 568 (Datum's base relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

B. J. SartinDate March 5, 1963Title Drilg & Prod. Supv.

The summary on this page is for the condition of the well at above date.

Commenced drilling 2-2-63, 19 Finished drilling 2-4-63, 19

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1653 to 1658 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

## IMPORTANT WATER SANDS

No. 1, from None to No. 3, from to

No. 2, from to No. 4, from to

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Purported		Purpose
							From—	To—	
8 1/2	26.50	85							
4 1/2	1729.72	125							
HYDROLYSIS OF OIL OR GAS WELL									

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/2	98.50	85	Pump & Plug		Cement Circulated
4 1/2	1729.72	125	Pump & Plug		Annulus filled with grade oil

ILLEGIBLE

Adapters—Material

Size

## SHOOTING RECORD

Shot	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Shot-011-Parture - Gallup	1453-1650	with 15,000 lb/20 sand and 300 lbs				
1453-1650						

## HISTORY OF OIL OR GAS WELL

## TOOLS USED

It is of the greatest importance to have a complete history of the well. Please state in detail the date, size, weight, and from what source the tools were used. Also state the date, size, weight, and from what source the tools were used. Also state the date, size, weight, and from what source the tools were used.

## DATES

Put to producing 2-22-63, 1963  
 The production for the first 24 hours was 100 barrels of fluid of which 0 % was oil; 0 %  
 emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 41.5  
 If gas well, cu. ft. per 24 hours 41.5 Gallons gasoline per 1,000 cu. ft. of gas  
 Rock pressure, lbs. per sq. in. 41.5

## EMPLOYEES

Whigham Drig. Co., Driller  
Whigham Drig. Co., Driller

## FORMATION RECORD

FROM—	TO—	OF OR TOTAL FEET	FORMATION
0	150 est	150 Test	Point Lockout fm.
150 est	1493	1343 est	Mancos Shale
1493	1660	167	Gallup (Niobrara)
1653	1660	7	Lower Gallup (Basal Niobrara)
1660	1690	30	Juana Lopez member of Carlile fm. <i>Sanositi</i>
1690	1734 T.D.	44	Carlile Shale
FROM—	TO—	OF OR TOTAL FEET	FORMATION

ILLEGIBLE

FORMATION RECORD—CONTINUED

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

DISTRIBUTION			
SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR		3	
PRORATION OFFICE			

I. Operator  
ARCO Oil and Gas Company, Division of Atlantic Richfield Company  
Address  
1860 Lincoln St., Suite 501, Denver, Colorado 80295  
Reason(s) for filing (Check proper box)  
New Well ☐ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐  
Other (Please explain) Effective 4/1/79  
Assumed name for formerly  
Atlantic Richfield Company.

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Many Rocks Gallup	16	Many Rocks Gallup	State, Federal or Fee	Fed. 14-20-600-353
Location				
Unit Letter	A	360	Feet From The	North
		Line and	855	Feet From The
		East		
Line of Section	18	Township	31N	Range
		16W	NMPM,	San Juan
		County		

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Water Injection Well - Shut In						
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'tv.	Diff. Res'tv.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE  
II. WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*J. R. Cooper*  
(Signature)

Accounting Supervisor

(Title)

March 9, 1979

(Date)

OIL CONSERVATION COMMISSION

APPROVED MAR 12 1979, 19

BY Original Signed by A. R. Kendrick

TITLE SUPERVISOR DIST. #3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

I. Operator BK Petroleum, Inc.		Well API No. 30-045-98059
Address P.O. Box 826, Farmington, NM 87499-0826; 505-326-3139		
Reason(s) for Filing (Check proper box) <input checked="" type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
Recompletion <input type="checkbox"/>	Convert from water injection to production	
Change in Operator <input type="checkbox"/>		
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup	Well No. 16	Pool Name, including Formation Many Rocks Gallup	Kind of Lease State, Federal or Fee	Lease No. 14-20-600-3531
Location Unit Letter A : 360 Feet From The North Line and 855 Feet From The East Line Section 18 Township 31N Range 16W, NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Giant Refinery	Address (Give address to which approved copy of this form is to be sent) P.O. Box 12999, Scottsdale, AZ 85267					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks. TB1	Unit L	Sec. 17	Twp. 31N	Rge. 16W	Is gas actually connected? No	When ?
If this production is commingled with that from any other lease or pool, give commingling order number:						

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Stim Res'v	Jiff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.D.T.D.		
Elevations (DF, RKB, RI, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

TEST DATA AND REQUEST FOR ALLOWABLE

WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)			
First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Coke Size SEP 16 1993 OIL CON. DIV. DIST. 3
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	
GAS WELL			
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF/D	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Coke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Mildred L. Kuchera  
Mildred L. Kuchera President  
Printed Name Title  
Date 9/14/93 Telephone No. 505-326-3139

OIL CONSERVATION DIVISION

Date Approved SEP 16 1993

By [Signature]  
SUPERVISOR DISTRICT 13  
Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator *BK Petroleum Inc*  
*% NMOCO*

3. Address and Telephone No.

*1000 Rio Brazos Rd. Aztec NM 87410 334-6178*

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

*17-31N-16W 990/N-400/W*

5. Lease Designation and Serial No.

*14-20-600-3531*

6. If Indian, Allottee or Tribe Name

*Navajo Tribe*

7. If Unit or CA, Agreement Designation

8. Well Name and No.

*17 Many Rocks*

9. API Well No.

*3004510821*

10. Field and Pool, or Exploratory Area

*Many Rocks Gallup*

11. County or Parish, State

*San Juan, NM*

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

*See attached plugging procedure.*

14. I hereby certify that the foregoing is true and correct

Signed *NMOCO Contract Plugging*

Date *8/11/00*

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date *8/17/00*

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

NMOCO



**API NUMBER** 30-045-10821  
**OPERATOR NAME** BK PETROLEUM INC  
**PROPERTY NAME** MANY ROCKS GALLUP UNIT  
**SECTION 17** **TOWNSHIP 31N** **RANGE 16W**  
**FOOTAGE** 990 FNL- 400 FWL UL 'D'

Sur Csg OD 11" HOLE	7 5/8	XX		XX
SUR CSG TD	93	XX		XX
SUR CSG WT	26.4	XX		XX
TOP OF CMT	0	XX		XX
ACTUAL	CIRC	XX		XX
CACULATED	85SX	XX		XX
PROD CSG OD 6 3/4 HOLE	4 1/2	XX		XX
PROD CSG TD	1664	XX		XX
PROD CSG WT	9.5	XX		XX
TOP OF CMT	801	XX	XX	XX
FORMATION TOP	ACTUAL	XX	XX	XX
GALLUP 1440'	CACULATED	100SX	XX	XX
MANCOS 126'	PERF TOP	1474-78	XX	XX
138	PERF BOTTOM	1608-1614	XX	XX
	PACKER		XX	XX
	TYPE OF PLUG		XX	XX
	CIBP & CMT		XX	XX
	CMT		XX	XX

### PROPOSED PLUGGING OPERATION

MIRU PU, BOPE, TOO H W/tubing & rods, RIH w/workstring, circ hole clean

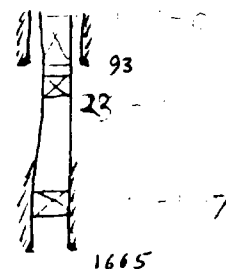
Spot 14 sx plug @ 1460-1470' woc tag, top as required, POOH

PERF @ 238 PMP 16 SX PLG, 238-150, 10 SX OUT 6 SX IN, BRING TO SUFACE IF CIRC

RIH, PERF 143', CIRC CEMENT TO SURFACE, LEAVE CSG FULL, EST 18 SX

CUT OFF WELL HEAD, INSTALL P&A MARKER, DIG AND CUT ANCHORS

Close pits according to guidelines: Clean and level location



(SUBMIT IN TRIPLICATE)

Indian Agency Gallup

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allettee Navajo-The Nav Tribal

Lease No. 14-22-400-151

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	<div style="border: 2px solid black; padding: 5px; text-align: center;"> RECEIVED JUN 7 1963 U. S. GEOLOGICAL SURVEY FARMINGTON NEW MEXICO </div>
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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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)

June 6, 1963

Well No. 17-2 is located 990 ft. from N line and 100 ft. from W line of sec. 17

17 (4 Sec. and 666 No.)

31N (Twp.)

14W (Range)

14W (Meridian)

Undesignated (Field)

San Juan (County or Subdivision)

New Mexico (State or Territory)

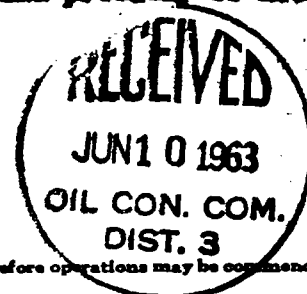
The elevation of the ~~derrick floor~~ ground above sea level is 5542 ft.

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)

We propose to drill this well to test the Gallup (or Lower Niobrara) sands. Estimated total depth is 1700'. Approximately 100' of 7 5/8" O.D. 24.4# casing will be set and cemented to surface. A 1 1/2" O.D. 9.5# casing will be run to T.D. and cemented to about 800' if production is commercial. Estimated top of the Gallup sand is 1620'. A sand oil fracture will probably be necessary to stimulate production.

ILLEGIBLE



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

Company The Atlantic Refining Company

Address Box 2197

Farmington, N.M.

By B. J. Sartain

Title Drilling & Prod. Supervisor

Well Location and Acreage Dedication Plat

Section A.

Date June 6, 1963

Operator THE ATLANTIC REFINING COMPANY Lease NAVAJO ~~1463~~  
 Well No. 13-8 Unit Letter D Section 17 Township 31 NORTH Range 16 WEST NMPM  
 Located 990 Feet From the NORTH Line, 400 Feet From the WEST Line  
 County SAN JUAN G. L. Elevation 5562' Dedicated Acreage 40.0 Acres  
 Name of Producing Formation Gallup (or Lower Blaine) Pool Undesignated

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:

OwnerLand 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.

The Atlantic Refining Co.

(Operator)

B. J. Sartain

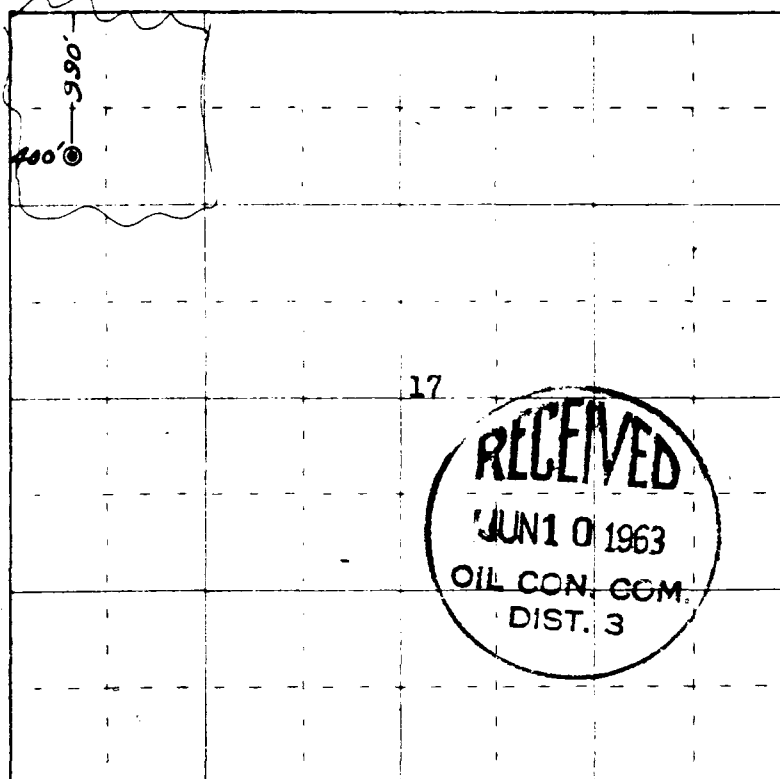
(Representative)

Box 2397

(Address)

Farmington, N. M.**ILLEGIBLE**

Note: All distances must be from outer boundaries of section.



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 18 May 1963

James P. Leese  
 Registered Professional Engineer and/or Land Surveyor  
 James P. Leese, N. Mex. Reg. No. 1463  
 San Juan Engineering Company

(Seal)

Farmington, New Mexico


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R-2884

Indian Agency Navajo

Navajo

Allottee

Lease No. 11-20-60-5

**RECEIVED**

SUNDRY NOTICES AND REPORTS ON WELLS

JUL 23 1963

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	U.S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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	Subsequent report of casing	X

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

July 22

Well No. Navajo 17-2 is located 990 ft. from N line and 400 ft. from W line of sec. 17  
11 11 Sec. 17 11N 16W 11PM  
 (4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Undesignated San Juan New Mexico  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5572 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)

Drill 6 3/4" hole to 1670'. Ran 52 jts. 4 1/2" O.D. 9.5# J-55 casing w/guide shoe and float collar (1653.28') set at 1664.78'. Cemented w/100 sx Incon cement. Plug down at 11:00 am 6-20-63.

W. O. C. to 3:30 pm 6-23-63. Tested 4 1/2" casing w/100 psi. OK.

ILLEGIBLE



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

Company The Atlantic Refining Co.

Address P. O. Box 2197

Farmington, N.M.

By

B. J. Sastain

Title Drilling & Prod. Supervisor


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-B466.4.

Indian Agency  Gallup   
 Navajo - Ute   
Allottee \_\_\_\_\_  
Lease No.  11-20-600-350

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 REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING 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) U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

July 22, 1963

Navajo   
Well No.  17-2  is located  990'  ft. from  N  line and  400'  ft. from  W  line of sec.  17   
 NW NW Sec. 17   11N   16W   R1P1   
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
 Undesignated   San Juan   New Mexico   
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is  5572  ft.

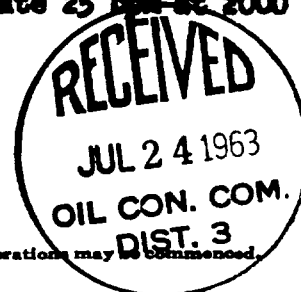
DETAILS OF WORK

(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)

Perforated 1608 1/2 - 1613 1/2 w/4 jets/ft. Sand Oil Fractured with 16,000# 10/20 sand and 2,000# 12-20 glass beads in 22,000 gal lease crude. FHP 3000/1500. Avg rate 26 bpm at 1850 psi. Set retrievable bridge plug at 1490'.

Perforated 1474-1478 w/4 jets/ft. Treated with 14,000# 10/20 Sand and 2000# 12-20 glass beads in 21,700 gal. lease crude. FHP 3500/3100 Avg. rate 25 bpm at 2000 psi. Job complete 10:30 AM 6-21-63.

ILLEGIBLE



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

Company  The Atlantic Refining Co.

Address  P. O. Box 2197

Farmington, N.M.

By  B. J. Sartain

Title  Drilling & Production Supervisor

ATLANTIC

THE ATLANTIC REFINING COMPANY  
INCORPORATED 1870  
PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT  
ROCKY MOUNTAIN REGION

R. T. COX, MANAGER  
T. S. PAGE, LAND MANAGER  
A. D. KLOXIN, OPERATIONS MANAGER

WYOMING DIST. 2100 BANK BLDG.  
MARTIN, N.M.  
P.O. BOX 120  
CASPEN, WYOMING  
JUN 28 1963

State of New Mexico  
Oil Conservation Commission  
1000 Rio Brasos Road  
Alto, New Mexico

Gentlemen:

A tabulation of the straight hole tests which were run on our Navajo 17-2 well is shown below. This well is located 990' FNL and 400' FNL, Section 17, Township 31N, Range 16W San Juan County, New Mexico.

DEPTH	DEVIATION
121'	1°
510'	1°
900'	1°
1220'	1 1/2°

ILLEGIBLE

T.D. 1670'

Yours truly,  
THE ATLANTIC REFINING CO.

*B. J. Sartain*

B. J. Sartain  
Drilling & Production Supervisor

BJS:sjo

AFFIDAVIT

STATE OF NEW MEXICO

COUNTY OF San Juan

Before me, the undersigned authority on this day personally appeared B. J. Sartain, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein, and that said report is true and correct.

Subscribed and sworn to before me this 28<sup>th</sup> day of June, 1963

My Commission Expires:

July 31 1964

Algerine Cox  
Notary Public



NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

REQUEST FOR (OIL) ~~WATER~~ ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, N.M.  
(Place)

6-28-63  
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

The Atlantic Refining Company Navajo, Well No. 17-2, in NW  $\frac{1}{4}$  NW  $\frac{1}{4}$ ,  
(Company or Operator) (Lease)

D Sec. 17, T. 33N, R. 16W, NMPM, Undesignated Pool  
Unit Letter

San Juan

County. Date Spudded 6-14-63 Date Drilling Completed 6-19-63

Please indicate location:

Elevation 8,100' Total Depth 1670 PBD 1629

Top Oil/Gas Pay 1474 Name of Prod. Form. Gallup or Lower Niagara

PRODUCING INTERVAL -

Perforations 1608 1/2 - 1613 1/2 and 1474-1478 (See Remarks)

Open Hole None Depth 1665 Casing Shoe 1459'

OIL WELL TEST -

Natural Prod. Test None bbls. oil, \_\_\_\_\_ bbls. water in \_\_\_\_\_ hrs., \_\_\_\_\_ min. Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of  
load oil used): 16 bbls. oil, 0 bbls. water in 1 hrs., 0 min. Size Pumping

GAS WELL TEST - 76 - BOPD

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 1474-78 14,000# 10/20 sd. & 2000# 12/20 glass beads, 21,700 gal oil  
1608 1/2 - 1613 1/2 1600# 10/20 sd. & 2000# 12/20 glass beads, 22000 gal oil

Casing 15" Tubing \_\_\_\_\_ Date first new \_\_\_\_\_  
Press. 15" Press. Pump oil run to tanks 6-28-63

Oil Transporter Method Corporation

Gas Transporter None

Remarks: The perforated zones shown above are separated by a retrievable bridge plug @ 1490'.  
This test is for perfs. 1474-78'. Another request will be filed when zones are co-mingled.  
The test of isolated Upper Zone is for reservoir information.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved JUN 28 1963, 1963

The Atlantic Refining Co.  
(Company or Operator)

By: B. J. Sartain  
(Signature)

Title: Drilling & Production Supervisor

Send Communications regarding well to \_\_\_\_\_

Name The Atlantic Refining Co.

Address Box 2197, Farmington, N.M.

OIL CONSERVATION COMMISSION

By: Original Signed Emery C. Arnold

Title Supervisor Dist. # 3

ILLEGIBLE

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LAND OFFICE	
TRANSPORTER	OIL <input checked="" type="checkbox"/> GAS <input checked="" type="checkbox"/>
PRODUCTION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

**FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE**

Company or Operator <b>The Atlantic Refining Company</b>				Lease <b>Navajo</b>		Well No. <b>17-2</b>	
Unit Letter <b>D</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>		County <b>San Juan</b>		
Pool <b>Undesignated</b>				Kind of Lease (State, Fed Fee) <b>Navajo-Ute Indian Tribal</b>			
If well produces oil or condensate give location of tanks		Unit Letter <b>D</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>		
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/>  <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent)  <b>Box 1702 Farmington, New Mexico</b>			
Is Gas Actually Connected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/>  <b>None</b>		Date Connected	Address (give address to which approved copy of this form is to be sent)				

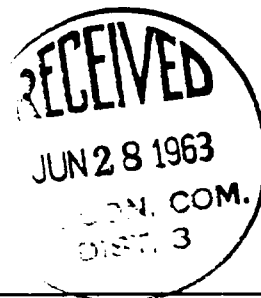
If gas is not being sold, give reasons and also explain its present disposition:

**No market - used for lease fuel**

**REASON(S) FOR FILING (please check proper box)**

New Well ..... ☒  
 Change in Transporter (check one)  
 Oil ..... ☐ Dry Gas ..... ☐  
 Casing head gas . ☐ Condensate . ☐

Change in Ownership ..... ☐  
 Other (explain below)



Remarks
---------

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 28 day of June, 1963.

OIL CONSERVATION COMMISSION		By
Approved by	Original Signed <b>Emery C. Arnold</b>	<b>B. J. Santain</b>
Title		<b>Drilling &amp; Production Supervisor</b>
Supervisor Dist. # 3		Company
		<b>The Atlantic Refining Company</b>
Date	Address	
<b>JUN 28 1963</b>	<b>Box 2197 Farmington, N.M.</b>	



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LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	2

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

**FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE**

Company or Operator: **The Atlantic Refining Company** Lease: **Many Rocks Gallup Proj.** Well No. **17**

Unit Letter: **J** Section: **17** Township: **31N** Range: **16W** County: **San Juan**

Pool: **Many Rocks Gallup** Kind of Lease (State, Fed, Free): **Navajo Ute Atn. Tribal**

If well produces oil or condensate give location of tanks: \_\_\_\_\_ Unit Letter: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

Authorized transporter of oil ☒ or condensate ☐  
**McWood Corporation**  
 Address (give address to which approved copy of this form is to be sent):  
**Box 1702**  
**Farmington, New Mexico**

**Is Gas Actually Connected? Yes \_\_\_\_\_ No ☒**

Authorized transporter of casing head gas ☐ or dry gas ☐ Date Connected: \_\_\_\_\_ Address (give address to which approved copy of this form is to be sent):  
**None**

If gas is not being sold, give reasons and also explain its present disposition:

**No market. Used for lease fuel.**

**REASON(S) FOR FILING (please check proper box)**

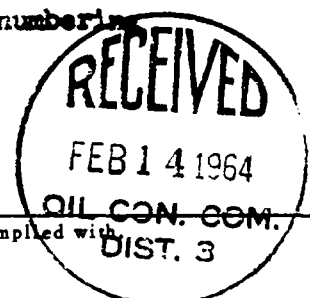
New Well ..... ☐  
 Change in Transporter (check one)  
 Oil ..... ☐ Dry Gas ..... ☐  
 Casing head gas . ☐ Condensate... ☐

Change in Ownership ..... ☐  
 Other (explain below)

**Change in well name as part of Many Rocks Project which was effective at 7:00 A.M. 1-1-64**

**"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"**

Remarks: **This replaces Form C-110 which was filed 1-29-64, because well numbering system was not acceptable**



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with

Executed this the **12** day of **February**, 19**64**

OIL CONSERVATION COMMISSION	By <b>B. J. Sartain</b>
Approved by	Title <b>Drilling &amp; Production Supervisor</b>
<b>Original Signed Emery C. Arnold</b>	Company <b>The Atlantic Refining Company</b>
Title <b>Supervisor Dist. # 3</b>	Address <b>Box 2197, Farmington, New Mexico</b>
Date <b>FEB 14 1964</b>	

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	GAS
PRODUCTION OFFICE	
OPERATOR	2

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator <b>The Atlantic Refining Company</b>	Lease <b>Many Rocks Gallup Project</b>	Well No. <b>7-1E</b>
---	---	-------------------------

Unit Letter <b>D</b>	Section <b>7</b>	Township <b>31-N</b>	Range <b>16-W</b>	County <b>San Juan</b>
-------------------------	---------------------	-------------------------	----------------------	---------------------------

Pool <b>Many Rocks Gallup</b>	Kind of Lease (State, Fed Fee) <b>Nayajo Ute Mtn. Tribal</b>
----------------------------------	---

If well produces oil or condensate give location of tanks	Unit Letter	Section	Township	Range
--	-------------	---------	----------	-------

Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>	Address (give address to which approved copy of this form is to be sent) <b>Box 1702 Farmington, New Mexico</b>
---	--

Is Gas Actually Connected? Yes ☐ No ☒

Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/> <b>No Market</b>	Date Connected	Address (give address to which approved copy of this form is to be sent)
--	----------------	--

If gas is not being sold, give reasons and also explain its present disposition:

**No Market. Used for lease fuel**

**REASON(S) FOR FILING (please check proper box)**

New Well <input type="checkbox"/>	Change in Ownership <input type="checkbox"/>
Change in Transporter (check one)	Other (explain below)
Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	<b>Change in operator. Change in well name as part of Many Rocks Gallup Project which was effective at 7:00 A.M. 1-1-64</b>
Casing head gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

Remarks

**Agreement actually signed 1-17-64, made retroactive to 1-1-64**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with

Executed this the **23** day of **January**, 19**64**

**RECEIVED**  
**JAN 29 1964**

OIL CONSERVATION COMMISSION

Approved by

**Original Signed Emery C. Arnold**

Title

**Supervisor Dist. # 3**

Date

**JAN 29 1964**

By

**Drilling & Production Supervisor**

Company

**The Atlantic Refining Company**

Address

**Box 2197, Farmington, New Mexico**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

BK Petroleum Inc.

3. Address and Telephone No.

P.O. Box 826, Farmington, NM 87499-0826

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FNL, 400' FWL, Sec. 17, T31N, R16W  
D

5. Lease Designation and Serial No.

14-20-600-3531

6. If Indian, Allottee or Tribe Name

Navajo - Ute Mtn.

7. If Unit or CA, Agreement Designation

Many Rocks Gallup Proj.

8. Well Name and No.

Many Rocks Gallup #1

9. API Well No.

30-045-10821

10. Field and Pool, or Exploratory Area

Many Rocks Gallup

11. County or Parish, State

Santa Fe, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Well returned to pro-  
duction.
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The following was done to return this well to production. (December 23, 1996)  
Rig up well service unit. Trip out of hole with 5/8" sucker rods. Trip out of hole with 2 3/8" tubing. Replace 2 scaled up 2 3/8" tubing joints. Trip back in hole with tubing, new 2"x1 1/4"x4'x6'x8' RWAC insert pump, and rods. Hang well on and rig down pulling unit. Well producing at a rate of 3 bopd and 1 bwpd.

14. I hereby certify that the foregoing is true and correct

Signed

Title President

Date January 29, 1997

(This space for Federal or State office use)

**ACCEPTED FOR RECORD**

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

**FEB 04 1997**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BY Sun

Budget Bureau No. 42-R355.4.  
Approval expires 12-31-60.

U. S. LAND OFFICE - ~~Callahan~~

SERIAL NUMBER Nav.-Ute Mtn Tribal

LEASE OR PERMIT TO PROSPECT

**14-20-600-3531**

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

JUL 30 1963

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

# LOG OF OIL OR GAS WELL

### LOCATE WELL CORRECTLY

Company The Atlantic Refining Co. Address Box 1197, Farmington, N.M.

Lessor or Tract Navajo Field Undesignated State New Mexico

Well No. 17-2 Sec. 31N T. 16N R. \_\_\_\_\_ Meridian NMPM County San Juan

Location 990 ft. S. of N. Line and 400 ft. E. of N. Line of Sec. 17 Elevation 5572  
(Derrick base relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

**Signed**

Date July 29, 1963

4 Title Drilling & Production Supervisors

The summary on this page is for the condition of the well at above date.

Commenced drilling 6/14 19 63 Finished drilling 6-20 19 63

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 1474 to 1475 No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from 1608 to 1614 No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_      No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

[illegible]

## NUDDING AND CEMENTING RECORD

Shoe sizing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8	93-43 EL	85 SX	Pump & Plug		Cement Circ.
4-1/2	164-78	100 SX	Pump & Plug	9.0#/gal	30 bbls.

ILLEGIBLE

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1608	1613	16,000	10/20 sd & 2,000	12/20 glass beads	22,000 gal lease crude	
1474	1478	14,000	10/20 sd. & 2,000	12/20 glass beads	21,000 gal lease crude	

## TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet.

Cable tools were used from ..... Surface ..... feet to ..... 96 ..... feet, and from ..... feet to ..... feet.

## DATES

....., 19..... Put to producing ..... 1st new oil 6-28....., 19.51

The production for the first 24 hours was ..... 96 ..... barrels of fluid of which ..... 100 % was oil; ..... 0 % emulsion; ..... 0 % water; and ..... 0 % sediment. SEE NOTE: Gravity, °Bé. .... 10.9° API.

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. ....

## EMPLOYEES

Signal Oilfield Service ..... Driller ..... Driller

..... Driller ..... Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	188	188	Mesaverde Group
188	1440	1252	Manos Shale
1440	1616	176	Upper Niobrara Formation
1473	1494	21	Upper Niobrara Sandstone
1605	1616	11	Basal Niobrara Sandstone
1616	1660 T.D.	44	Juana Lopez member

NOTE: Production of 96 B.O.P.D. shown above was from Upper Zone (1474-78) only. This zone was tested separately for reservoir data. First new production from both zones was 120 BOPE.

FORMATION RECORD—Continued

ILLEGIBLE

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TRANSPORTER	OIL	/
	GAS	
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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

B.T.

TRANSPORTER CHANGED FROM SHELL  
OIL COMPANY TO SHELL PIPE LINE  
CORPORATION EFFECTIVE 12/31/69

Operator  
**THE ATLANTIC REFINING COMPANY**  
Address  
**BOX 2197 FARMINGTON, NEW MEXICO**

Reason(s) for filing (Check proper box)

New Well ☐

Recompletion ☐

Change in Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Many Rocks Gallup Project</b>	Well No. <b>17</b>	Pool Name, Including Formation <b>Many Rocks Gallup</b>	Kind of Lease <b>Tribal</b>
Location			
Unit Letter <b>D</b>	<b>990</b>	Feet From The <b>North</b>	Line and <b>400</b>
Feet From The <b>West</b>		Line of Section <b>17</b>	
Township <b>31N</b>		Range <b>16W</b>	
NMPM, <b>San Juan</b>		County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> <b>Shell Oil Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Box 1588, Farmington, New Mexico</b>		
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> <b>None</b>	Address (Give address to which approved copy of this form is to be sent)		
If well produces oil or liquids, give location of tanks.	Unit <b>L</b>	Sec <b>17</b>	Range <b>31N</b>
			Line <b>16W</b>
			Is gas actually connected? <b>No</b>
			When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Pool	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations	"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"					Depth Casing Shoe		
HOLE SIZE								
CASING & TUBING SIZE								
DEPTH SET								
SACKS CEMENT								

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

**B J Santain**  
(Signature)  
**Drilling & Production Supervisor**

**2/1/65** (Title)

(Date)

OIL CONSERVATION COMMISSION

**FEB 2 1965**

APPROVED \_\_\_\_\_, 19

BY **Original Signed Emery C. Arnold**

TITLE **Supervisor Dist # 3**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

NO. OF COPIES RECEIVED	5
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TRANSPORTER	OIL /
	GAS
OPERATOR	2
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C  
Effective 1-1-65

I. Operator  
ARCO Oil and Gas Company, Division of Atlantic Richfield Company  
Address  
1860 Lincoln St., Suite 501, Denver, Colorado 80295  
Reason for filing (Check proper box)  
New Well ☐ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐  
Other (Please explain) Effective 4/1/79  
Assumed name for formerly  
Atlantic Richfield Company.

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup	Well No. 17	Pool Name, including Formation Many Rocks Gallup	Kind of Lease State, Federal or Fee	Lease No. Fed. 14-20-600-35
Location Unit Letter D : 990 Feet From The North Line and 400 Feet From The West Line of Section 17 Township 31N Range 16W NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Shell Pipeline Company	Address (Give address to which approved copy of this form is to be sent) Box 940, Bloomfield, NM 87413					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit L	Sec. 7	Twp. 31N	Rge. 16W	Is gas actually connected? No	When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Uncover	Deepen	Plug Back	Same Res't.	Diff. Res't.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations						Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of equal volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

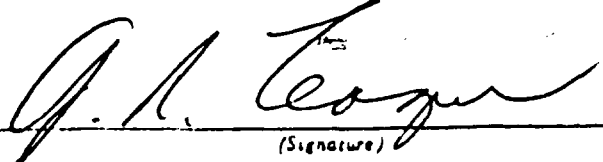
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

  
(Signature)  
Accounting Supervisor  
(Title)

March 9, 1979

(Date)

OIL CONSERVATION COMMISSION

APPROVED MAR 12 1979, 19

BY Original Signed by A. R. Kendrick

TITLE SUPERVISOR DIST. #3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out each Section I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multiple completions.

AND OFFICE		TRANSPORTER		OPERATOR		REGISTRATION OFFICE		AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS	
OIL		GAS							
ARCO Oil and Gas Company, Division of Atlantic Richfield Company									
P. O. Box 5540, Denver, Colorado 80217									
Reason(s) for filing (Check proper box)				Other (Please explain)					
Well Completion				Change in Transporter of:					
Change in Ownership				Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/>					
				Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>					
Change of ownership give name and address of previous owner									
DESCRIPTION OF WELL AND LEASE									
Lease Name		Well No.		Pool Name, including Formation		Kind of Lease		Lease No.	
Many Rocks Gallup		17		Many Rocks Gallup		State, Federal or Free Fed. 14-20		600-3531	
LOCATION									
Unit Letter		D		990 Feet From The		North Line and		400 Feet From The	
								West	
Line of Section		17		Township		31N		Range 16W	
								San Juan	
								County	
DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS									
Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>				Address (Give address to which approved copy of this form is to be sent)					
CINIZA Pipe Line Co., Inc.				P. O. Box 1887 Bloomfield, NM 87413					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>				Address (Give address to which approved copy of this form is to be sent)					
Well produces oil or liquids, give location of tanks.				Unit		Sec.		Twp.	
Is gas actually connected?				When					
this production is commingled with that from any other lease or pool, give commingling order number									
COMPLETION DATA									
Designate Type of Completion - (X)									
Oil Well Gas Well New Well Workover Deepen Plug Back Same Res't. Diff. Res't.									
Date Spudded		Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Locations (DF, RKB, RT, CR, etc.)		Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Locations						Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)									
First New Oil Run To Tanks		Date of Test		Producing Method (Flow, pump, gas lift, etc.)					
Length of Test		Tubing Pressure		Casing Pressure		Casing Size			
Actual Prod. During Test		Oil - Bbls.		Water - Bbls.		Gas - Bbls.			
GAS WELL									
Actual Prod. Test - MCF/D		Length of Test		Bbls. Condensate/MCF		Gravity of Condensate			
Casing Method (pilot, back pr.)		Tubing Pressure (Start-In)		Casing Pressure (Start-In)		Casing Size			
CERTIFICATE OF COMPLIANCE									
I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.									
K. L. Flinn (Signature)									
Operations Information Assistant (Title)									
March 24, 1982 (Date)									
OIL CONSERVATION COMMISSION									
APPROVED APR 1 1982									
Original Signed by FRANK T. CHAVEZ									
BY SUPERVISOR DISTRICT #3									
TITLE									
This form is to be filed in compliance with RULE 1104.									
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.									
All sections of this form must be filled out completely for all wells on new and recompleted wells.									
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.									
Separate Forms C-104 must be filled for each pool in multi-completed wells.									



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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	GAS
OPERATOR	
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OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 08-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED  
JUL 03 1984  
OIL CONSERVATION DIVISION

I. Operator  
BK Petroleum, Inc.  
Address  
501 Airport Dr.-Suite 165, Farmington, N.M. 87401

Reason(s) for filing (Check proper box)

☐ New Well  
☐ Recompletion  
☒ Change in Ownership  
Change in Transporter of:  
☐ Oil  
☐ casinghead Gas  
☐ Dry Gas  
☐ Condensate

Other (Please explain)

If change of ownership give name and address of previous owner  
Arco Oil & Gas Co., P.O. Box 5540, Denver, Co. 80217

II. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup Unit	Well No. 17	Pool Name, including Formation Many Rocks Gallup	Kind of Lease Fed. 14-20-600- State, Federal or Fee 3531	Lease No.
--------------------------------------	----------------	---	---	-----------

Location  
Unit Letter D : 990 Feet From The North Line and 400 Feet From The West  
Line of Section 17 Township 31N Range 16W NMPM, San Juan County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Ciniza Pipeline	Address (Give address to which approved copy of this form is to be sent) P.O. Box 940, Farmington, N.M. 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)

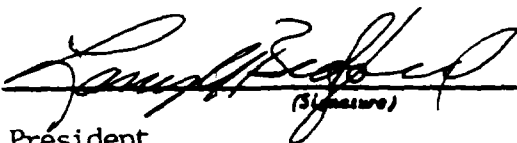
Is well produces oil or liquids, give location of tanks.	Unit L	Sec. 17	Twp. 31N	Range 16W	Is gas actually connected?	When
---	-----------	------------	-------------	--------------	----------------------------	------

this production is commingled with that from any other lease or pool, give commingling order number

OTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

we hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of our knowledge and belief.

  
(Signature)

President

(Title)

June 1, 1984

(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 03 1984, 19

BY [Signature]

TITLE SUPERVISOR DISTRICT #

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

Form 10-5  
(Rev. 1-7-83)  
(5010-107-9-3531)

UNIT STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a "different reservoir."  
Use "APPLICATION FOR PERMIT" for such proposals.)

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRUST NAME  
Navajo-Ute Mtn.

7. DATE AGREEMENT MADE  
Many Rocks Gallup Project

8. FARM OR LEASE NAME  
Many Rocks Gallup Unit

9. WELL NO.  
17

10. FIELD AND POOL, OR WILDCAT  
Many Rocks Gallup

11. SEC., T., R., M. (OR B.), AND  
SOURCE OF AREA

Sec. 17, T31N, R16W

12. COUNTY OR PARISH 13. STATE  
San Juan NM

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
BK Petroleum, Inc.

3. ADDRESS OF OPERATOR  
501 Airport Dr., Suite 165, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

RECEIVED

SEP 25 1984

990' FNL, 400' FWL, Sec. 17, T31N, R16W

14. PERMIT NO.

15. ELEVATIONS (Show whether SP, RT, CA, etc.)  
GL 5562

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Change of Operator

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORTS OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and places pertinent to this work.)\*

Effective June 1, 1984 BK Petroleum, Inc. became Unit Operator.

RECEIVED  
SEP 28 1984  
OIL CON. DIV  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Michael L. Kucsko TITLE Petroleum Engineer

(This space for Printed or State Certificate)

9-21-84  
ACCEPTED FOR RECORD

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

SEP 27 1984

FARMINGTON RESOURCE AREA

BY CB 3

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCC

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

## OIL CONSERVATION DIVISION

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator BK Petroleum, Inc.	Well API No.
Address P.O. Box 826, Farmington, NM 87499	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Completion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/> Changed Crude Oil Transporter from
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> Ciniza P/L to Giant Transportation
Change of operator give name and address of previous operator	

#### I. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup Unit	Well No. 17	Pool Name, Including Formation Many Rocks Gallup	Kind of Lease State, Federal or Fee	Lease No. 14-20-600-3531
Location Unit Letter <u>D</u> : <u>990</u> Feet From The <u>North</u> Line and <u>400</u> Feet From The <u>West</u> Line Section <u>17</u> Township <u>31N</u> Range <u>16W</u> ,NMPM, San Juan County				

#### II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) Giant Transportation P.O. Box 12999, Scottsdale, AZ 85255					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) Gas Used on Lease					
If well produces oil or liquids, give location of tanks.	Unit L	Sec. 17	Twp. 31N	Rge. 16W	Is gas actually connected?	When?

If this production is commingled with that from any other lease or pool, give commingling order number.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		

#### TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

#### TEST DATA AND REQUEST FOR ALLOWABLE

L WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	GAS MCF

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

#### VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Mildred L. Kuchera  
Signature  
MILDRED L. KUCHERA OWNER  
Printed Name Title  
Date Telephone No.

#### OIL CONSERVATION DIVISION

SEP 05 1990

Date Approved \_\_\_\_\_  
By Burt D. Chang  
SUPERVISOR DISTRICT #3  
Title \_\_\_\_\_

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator BK Petroleum Inc  
% NMOCO

3. Address and Telephone No.

1000 Rio Grande Rd. Aztec NM 87410 334-6178

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

17-31N-16W 2073/N2641/W

5. Lease Designation and Serial No.

14-20-600-3531

6. If Indian, Allottee or Tribe Name

Navajo Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.

19 Many Rocks

9. API Well No.

3004512154

10. Field and Pool, or Exploratory Area

Many Rocks Gallup

11. County or Parish, State

San Juan, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached plugging procedure.

14. I hereby certify that the foregoing is true and correct

Signed NMOCO Contract Plugging Title

Date 8/11/00

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

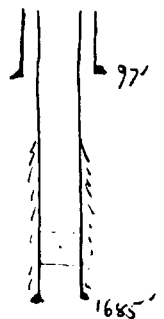
Date 8/17/00

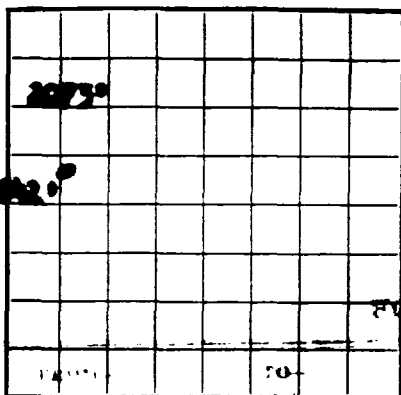
**API NUMBER** 30-045-12154  
**OPERATOR NAME** BK PETROLEUM INC **WELL NUMBER** 19  
**PROPERTY NAME** MANY ROCKS GALLUP UNIT  
**SECTION** 17 **TOWNSHIP** 31N **RANGE** 16W  
**FOOTAGE** 2073 FNL- 641 FWL UL 'E'

Sur Csg OD 12 3/4" HOLE	8 5/8	XX			XX
SUR CSG TD	96	XX			XX
SUR CSG WT	24	XX	XX	XX	XX
TOP OF CMT	0	XX	XX	XX	XX
ACTUAL	CIRC	XX	XX	XX	XX
CACULATED	40SX	XX	XX	XX	XX
PROD CSG OD 6 3/4 HOLE	4 1/2	XX	XX	XX	XX
PROD CSG TD	1684	XX	XX	XX	XX
PROD CSG WT	9.5	XX	XX	XX	XX
TOP OF CMT	126	XX	XX	XX	XX
FORMATION TOP	ACTUAL		XX	XX	
GALLUP 1445'	CACULATED		XX	XX	
1279					
MANCOS 164'	PERF TOP		XX	XX	
	PERF BOTTOM		XX	XX	
	PACKER		XX	XX	
	TYPE OF PLUG		XX	XX	
	CIBP & CMT		XX	XX	
	CMT		XX	XX	

### PROPOSED PLUGGING OPERATION

MIRU PU, BOPE, TOOH WITH TUBING & RODS, RIH W/WORK STRING, CIRC CLEAN  
 SPOT 14 SX PLUG 1460-1210, WOC TAG, RESPOT IF NEEDED. POOH  
 PERF @ 214' PMP 10 SX PLG, 214-160, 6 SX OUT, 4 SX IN, BRING TO SUR IF CIRC  
 RIH, PERF @ 146' CIRC CEMENT TO SURFACE, LEAVE CSG FULL, EST 55 SX  
 CUT OFF WELL HEAD, INSTALL P&A MARKER, DIG AND CUT ANCHORS.  
 Close pits according to guidelines: Clean and level location





LOCATE WELL CORRECTLY

ILLEGIBLE

 U. S. LAND OFFICE  
 SERIAL NUMBER  
 LEASE OR PERMIT TO PROSPECT  
 14-20-600-531

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

FORMATION RECORD

WATER DIVISION

U. S. GEOLOGICAL SURVEY

## LOG OF ONE OR MORE WELLS

Company The Atlantic Refining Co. Address Box 2197 Farmington, N.H.  
 Lessor or Tract Mary Hook's Project Field Mary Hook's Gilling State New Mexico  
 Well No. 10 Sec. 17 T. 34N R. 10W Meridian 10W County San Juan  
 Location 2073 ft. N. of 8 Line and 64 ft. E. of 5 Line of Section 17 Elevation 5200  
(Derive feet relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date 9-28-64 Signed B. J. Saxton Title Drilling Production Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling 6-2, 1964 Finished drilling 8-13, 1964

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1470 to 1480 No. 4, from 1480 to 1490  
 No. 2, from 1480 to 1490 No. 5, from 1490 to 1500  
 No. 3, from 1490 to 1500 No. 6, from 1500 to 1510

## IMPORTANT WATER SANDS

No. 1, from 1470 to 1480 No. 3, from 1480 to 1490  
 No. 2, from 1480 to 1490 No. 4, from 1490 to 1500

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 1/2	26	4 1/2	API	100	Plug	1470	1480	1490	Water
8 1/2	26	4 1/2	API	100	Plug	1480	1490	1500	Water
8 1/2	26	4 1/2	API	100	Plug	1490	1500	1510	Water

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/2	1470	20	Pump & Plug	8.6	Cement Circulated
8 1/2	1480	20	Pump & Plug	8.6	25 ft. ahead

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

FOLD MARK

on 2/10/1918, 1478-1480 and 1481-1483, 1484-1486, 1487-1489, 1490-1492, 1493-1495, 1496-1498, 1499-1501, 1502-1504, 1505-1507, 1508-1510, 1511-1513, 1514-1516, 1517-1519, 1520-1522, 1523-1525, 1526-1528, 1529-1531, 1532-1534, 1535-1537, 1538-1540, 1541-1543, 1544-1546, 1547-1549, 1550-1552, 1553-1555, 1556-1558, 1559-1561, 1562-1564, 1565-1567, 1568-1570, 1571-1573, 1574-1576, 1577-1579, 1580-1582, 1583-1585, 1586-1588, 1589-1591, 1592-1594, 1595-1597, 1598-1600, 1601-1603, 1604-1606, 1607-1609, 1610-1612, 1613-1615, 1616-1618, 1619-1621, 1622-1624, 1625-1627, 1628-1630, 1631-1633, 1634-1636, 1637-1639, 1640-1642, 1643-1645, 1646-1648, 1649-1651, 1652-1654, 1655-1657, 1658-1660, 1661-1663, 1664-1666, 1667-1669, 1670-1672, 1673-1675, 1676-1678, 1679-1681, 1682-1684, 1685-1687, 1688-1690, 1691-1693, 1694-1696, 1697-1699, 1700-1702, 1703-1705, 1706-1708, 1709-1711, 1712-1714, 1715-1717, 1718-1720, 1721-1723, 1724-1726, 1727-1729, 1730-1732, 1733-1735, 1736-1738, 1739-1741, 1742-1744, 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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

B. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER Water Injec.

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

The Atlantic Refining Company

3. ADDRESS OF OPERATOR

Box 2197 Farmington, N.M.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

SW NW Unit B (2073' FNL & 641 F/L) Sec.17

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

17 miles NE of Shiprock N.M.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)

641 639'

16. NO. OF ACRES IN LEASE

2360'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

2411 10835

19. PROPOSED DEPTH

1850'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOL LOG

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 5586'

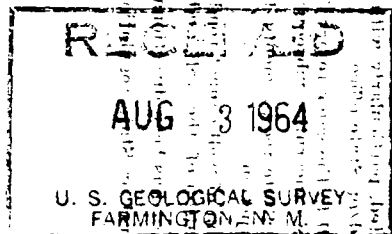
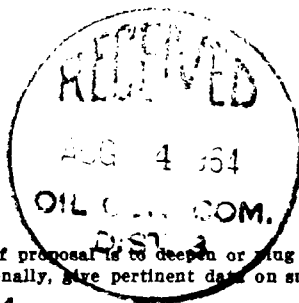
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 1/2"	26.44	60'	50 CB FT.
6 1/2"	4 1/2"	9.24	1850'	150 CB FT.

We propose to drill this well for water injection into the upper and lower Gallup formations part of the Many Rocks Gallup Project water will be injected thru tubing into the lower Gallup and thru casing tubing annulus into the upper Gallup. The upper and lower Gallup zones will be separated by a tension type packer. Estimated upper Gallup top is 1500' and lower Gallup top is 1641'.

"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*[Signature]*

TITLE

Prod. & Drlg. Foreman

DATE

7/27/66

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ILLEGIBLE

\*See Instructions On Reverse Side



## NEW MEXICO OIL CONSERVATION COMMISSION

## Well Location and Acreage Dedication Plat

Section A.

Date

7/25/64

Operator THE ATLANTIC REFINING COMPANY Lease WABED IN DEED  
 Well No. 19 Unit Letter E Section 17 Township 31 NORTH Range 16 WEST NMPM  
 Located 2073 Feet From the NORTH Line, 641 Feet From the WEST Line  
 County SAN JUAN G. L. Elevation 5586.0' Dedicated Acreage 60 Acres  
 Name of Producing Formation Gallop Pool San Juan Gallop

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes ☒ 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:

OwnerLand Description

Section B.

Note: All distances must be from outer boundaries of section.

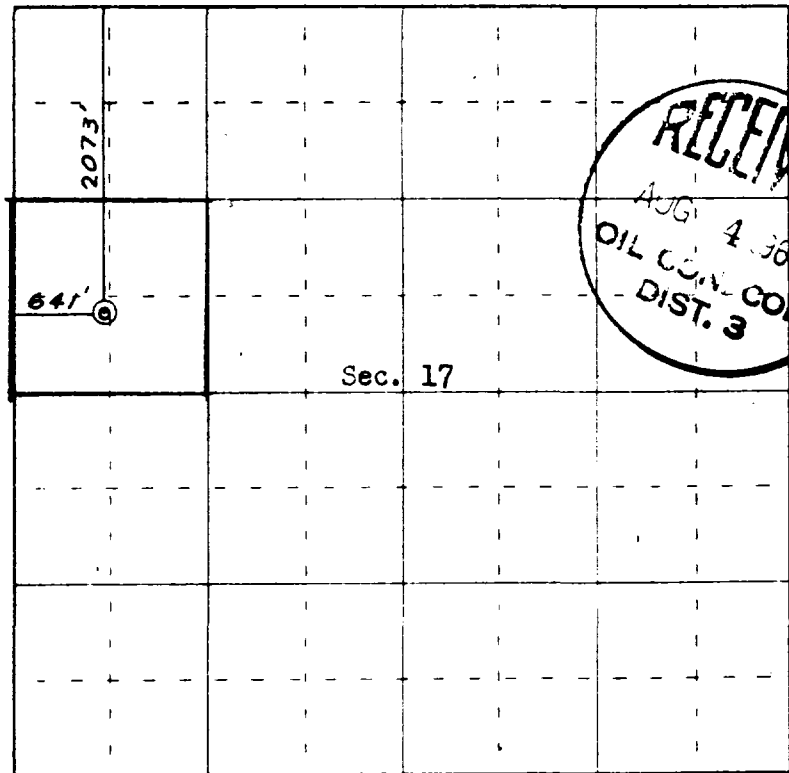
This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

The Atlantic Refining Company

B. J. Sartin (Operator)  
San Juan (Representative)

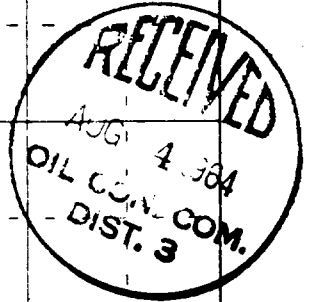
Formington, W. H. (Witness)

ILLEGIBLE



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile



Farmington, New Mexico

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed July 25, 1964

James P. Leese  
 Registered Professional Engineer and/or Land Surveyor  
 James P. Leese, N. Mex. Reg. No. 1463

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection</b>	5. LEASE DESIGNATION AND SERIAL NO. <b>14-27-40-25-2</b>
2. NAME OF OPERATOR <b>The Atlantic Refining Company</b>	6. IF INDIAN, ALLOTTEE OR TRUST NAME
3. ADDRESS OF OPERATOR <b>Box 277, Farmington, New Mexico</b>	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW 24 (Unit 2) 2775' FUL &amp; 642' FUL Section 17</b>	8. FARM OR LEASE NAME <b>Many Water Gelling Proj.</b>
14. PERMIT NO.	9. WELL NO. <b>12</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>OR 3084, IF 3091</b>	10. FIELD AND POOL, OR WILDCAT
	11. SEC. T. R. M. OR NEARBY SURVEY OF AREA <b>Sec. 17, T. 1N, R. 1E</b>
	12. COUNTY OR PARISH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <b>Apud &amp; casing</b>	

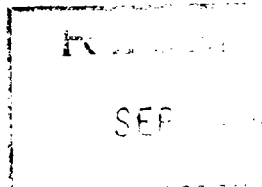
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Spudded @ 11:30 pm 8/9/64. Ran 3 jts. @ 1/8" O.S., 2-3/4, 4-25 casing (100.87') set at 96.88. Cemented w/40 az. class "G" cement + 25 gal. Plug down 3:15 pm 8/10/64, cement circulated. W.O.C. 15 hrs. & tested casing w/1000 psi O.S.**

**Drilled to 1683' T.D. Ran 3/4 jts. 4 1/2" O.S., 9-5/8, 4-25 casing (1680.19) set at 1674.84'. Cemented w/30 az. class "G" cement + 25 gal & 1 1/2" Gallinule/az followed by 75 gal. class "G" cement + 25 gal. Plug down 8:15 pm 8/11/64. W.O.C. & completion rig 120 hrs. and tested casing w/1000 psi. O.S.**

ILLEGIBLE



18. I hereby certify that the foregoing is true and correct.

SIGNED B. J. Sartain TITLE Engr. Field. Supv. DATE 9/20/64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ **Water Injection**

2. NAME OF OPERATOR **The Atlantic Refining Company**

3. ADDRESS OF OPERATOR **Box 2197 Farmington, New Haven**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**SW NW (Unit K) 2073' FWL & 641' FWL Sec. 17**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**on 2073' RT 2071'**

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-60-20**

6. IF INDIAN, ALLOTTEE OR TRUST NAME

7. UNIT-AGREEMENT NAME  
**Many Wells Calling Prod.**

8. FARM OR LEASE NAME  
**Many Wells Calling**

9. WELL NO.  
**10**

10. FIELD AND POOL, OR WILDCAT  
**Many Wells Calling**

11. SEC. T. R. M., OR BLK. AND SUBST. OR AREA  
**Sec. 17, T31N, R6E**

12. COUNTY OR PARISH 13. STATE  
**San Juan N.M.**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OR	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)		(Other) <b>Spud &amp; Casing</b>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

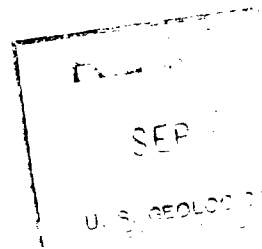
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 8-18-64 perforated 1478-1484 (Upper Galloway) and 1609-1615 (Lower Galloway) w/ 300 gal sand acid. Set Baker Tensilon type packer at 1978' on 2-1/8 CS tubing.

ILLEGIBLE

On 8-31-64 started injecting water into Lower Galloway through tubing and into Upper Galloway through casing tubing annulus.

\*Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company



18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Sartain TITLE Drilling Production Supt. DATE 9-23-64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-B1424.

SUNDRY NOTICES AND REPORTS ON WELLS		Form approved. Budget Bureau No. 42-B1424.	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531	
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection Wells		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Nav. Ute-Mtn.	
2. NAME OF OPERATOR Atlantic Richfield		7. UNIT AGREEMENT NAME Many Rocks Gallup Pro.	
3. ADDRESS OF OPERATOR Box 2197, Farmington, N. Mex.		8. FARM OR LEASE NAME Many Rocks Gallup	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		9. WELL NO.	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup	
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		12. COUNTY OR PARISH San Juan	
		13. STATE N. Mex.	

16.

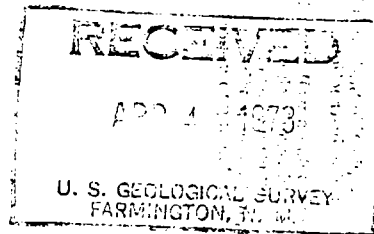
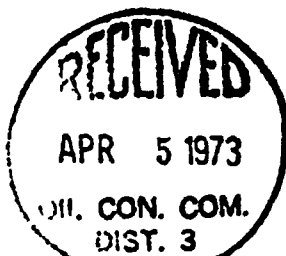
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Shut-In Injection Wells		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).\*

As per USGS approval, dated Jan. 23, 1973, of supplemental plan of development -- We have discontinued water injection as of March 29, 1973 on the following wells: #16, 18, 19, 21, 22, 23, & 26.

Also include Water Supply well #1-W as being shut-in March 29, 1973



18. I hereby certify that the foregoing is true and correct.

SIGNED R. R. Markin

TITLE Acting Dir. Pro. Supv. DATE 4/2/73

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection		5. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531	
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Ute Mountain	
3. ADDRESS OF OPERATOR 1860 Lincoln Street, Suite 501, Denver, Colorado		7. UNIT AGREEMENT NAME Many Rocks Gallup Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit E, 2073' f/North & 641' f/West lines Sec. 17		8. FARM OR LEASE NAME Many Rocks Gallup	
14. PERMIT NO.		9. WELL NO. 19	
15. ELEVATIONS (Show whether DP, RT, GR, etc.) 5586'		10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 17-31N-16W	
		12. COUNTY OR PARISH San Juan	13. STATE New Mexico

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Shut In</u>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Unit production declined to 27 BOPD which is below the economic limit. Injection stopped to reduce expenses and evaluate unit performance without injection.

This well was shut in 3-29-73. U.S.G.S. approved Supplemental Plan of Development 1-23-73.

This well is in a Unit. Waterflood operations have been temporarily suspended. Future plans are to conduct waterflood and tertiary recovery studies. These studies may result in a revised waterflood plan or in a tertiary recovery program that may require the use of this well in order to recover the maximum amount of oil from this reservoir.

Two copies sent to New Mexico Oil Conservation Commission

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther Jr. TITLE Dist. Prod. & Drlg. Supt. DATE 10/18/74  
W. A. Walther Jr.

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

May 1963)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUBMIT IN TRIPPLICATE\***  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <u>Injection</u>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <u>14-20-600-3531</u>
<b>2. NAME OF OPERATOR</b> <u>Atlantic Richfield Company</u>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> <u>Navajo-Ute Mountain</u>
<b>3. ADDRESS OF OPERATOR</b> <u>1860 Lincoln Street, Suite 501, Denver, Colorado 80203</u>		<b>7. UNIT AGREEMENT NAME</b> <u>Many Rocks Gallup Un</u>
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>Unit E, 2073' f/North &amp; 641' f/West lines Section 17</u>		<b>8. FARM OR LEASE NAME</b> <u>Many Rocks Gallup</u>
<b>14. PERMIT NO.</b>		<b>9. WELL NO.</b> <u>19</u>
<b>15. ELEVATIONS</b> (Show whether DF, RT, OR, etc.) <u>5586'</u>		<b>10. FIELD AND POOL, OR WILDCAT</b> <u>Many Rocks Gallup</u>
		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <u>Sec. 17-31N-16W</u>
		<b>12. COUNTY OR PARISH</b> <b>13. STATE</b> <u>San Juan</u> <u>New Mexi</u>

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Shut In, Extension Request ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting or proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Unit production declined to 27 BOPD which is below the economic limit. Injection stopped to reduce expenses and evaluate unit performance without injection.

This well was shut in 3-29-73. U.S.G.S. approved Supplemental Plan of Development 1-23-73.

This well is in a Unit. Waterflood operations have been temporarily suspended. Future plans are to conduct waterflood and tertiary recovery studies. These studies may result in a revised waterflood plan or in a tertiary recovery program that may require the use of this well in order to recover the maximum amount of oil from this reservoir.

**TEMPORARY ABANDONMENT  
EXPIRES**

**JUN 1 1977**



Two copies sent to New Mexico Oil Conservation Commission

**18. I hereby certify that the foregoing is true and correct**

SIGNED

W. A. Walther, Jr.

TITLE

Operations Manager

DATE

6/4/76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES DESIRED	
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SANTA FE	
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U.S.A.	
LAND OFFICE	
TRANSPORTER	
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 08-01-83  
Page 1

RECEIVED

JUL 03 1984

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

OIL CON. DIV.

DIST. 3

Operator

BK Petroleum, Inc.

Address  
501 Airport Dr.-Suite 165, Farmington, N.M. 87401

Reason(s) for filing (Check proper box)

☐ New Well  
☐ Recompletion  
☒ Change in Ownership  
Change in Transporter of:  
☐ Oil  
☐ Gas  
☐ Dry Gas  
☐ Condensate

Other (Please explain)

change of ownership give name and address of previous owner Arco Oil & Gas Co., P.O. Box 5540, Denver, Co. 80217

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease Fed. 14-20-600- State, Federal or Fee	Lease No.
Many Rocks Gallup Unit	19	Many Rocks Gallup	3531	
Location				
Unit Letter E	2073	Feet From The North	Line and 641	Feet From The West
17	31N	Range	16W	San Juan
Line of Section	Township	Range	NMPM,	County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS


Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
later injection well - shut in	501 Airport Dr.-Suite 165, Farmington, N.M. 87401
Name of Authorized Transporter of Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
well produces oil or liquids, or location of tanks.	Is gas actually connected? When

his production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

we hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of our knowledge and belief.

  
(Signature)  
Resident  
June 1, 1984  
(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 03 1984  
BY Frank J. [Signature]  
TITLE SUPERVISOR DISTRICT # 30

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filled for each pool in multiply completed wells.

(Rev. 9-3-81)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Circular)  
(Circular)

14-20-600-3531  
14-20-600-3531

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

Nava Jo-Ute Mtn.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT & INTEREST NAME Many Rocks Gallup Unit
2. NAME OF OPERATOR BK Petroleum, Inc.	8. NAME OF LEASE NAME Many Rocks Gallup Unit
3. ADDRESS OF OPERATOR 501 Airport Dr., Suite 165, Farmington, NM 87401	9. WELL NO. 19
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2073' FNL, 641' FWL, Sec. 17, T31N, R16W	10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup
11. PERMIT NO.	12. COUNTY OR PARISH San Juan
13. ELEVATIONS (Show whether DF, WT, OR, etc.) GL 5586	14. SECTION NM

RECEIVED  
SEP 25 1984

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Change of Operator <input type="checkbox"/>		(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and geologic points to this work.)

Effective June 1, 1984 BK Petroleum, Inc. became Unit Operator.

RECEIVED  
SEP 28 1984  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Mildred L. Kuckera</u>	TITLE <u>Petroleum Engineer</u>	DATE <u>9-21-84</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

ACCEPTED FOR RECORD

SEP 27 1984

\*See Instructions on Reverse Side

NMOCC

FARMINGTON RESOURCE AREA

BY 223

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

TONEY ANAYA  
GOVERNOR

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-8178

January 10, 1986

Mr. Larry Bedford  
BK Petroleum Inc.  
PO Box 826  
Farmington, NM 87499

Re: Many Rocks Gallup Project # 6	G- 7-31N-16W
Many Rocks Gallup Project # 8	L- 7-31N-16W
Many Rocks Gallup Project #12	K- 8-31N-16W
Many Rocks Gallup Project #13	N- 7-31N-16W
Many Rocks Gallup Project #16	A-18-31N-16W
Many Rocks Gallup Project #18	C-17-31N-16W
Many Rocks Gallup Project #19	E-17-31N-16W ✓
Many Rocks Gallup Project #21	G-17-31N-16W
Many Rocks Gallup Project #22	K-17-31N-16W

Dear Mr. Bedford:

Upon review of the NMOCD files of the referenced injection wells, I find that the temporary abandonment status expired on June 1, 1977. NMOCD Rule 202.B. states that upon expiration of the permit for temporary abandonment and any extension thereto, the well shall be put to beneficial use or shall be permanently plugged and abandoned, unless it can be shown to the Division after notice and hearing that good cause exists why the well should not be plugged and abandoned, and a further extension to the temporary abandonment permit should be issued. In order to comply with NMOCD Rule 202.B. you are hereby directed to either return the referenced wells to active status or plug and abandon them within six months.

Yours truly,

Carolyn J. Taplin  
Field Representative

xc: Prentiss Childs  
✓ Well Files  
Operator File  
UIC File



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

TONY ANAYA  
GOVERNOR

February 12, 1986

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

Ms. Mildred L. Kuchera  
BK Petroleum, Inc.  
P.O. Box 826  
Farmington, NM 87401


Re: Many Rocks Gallup Project # 6 G-07-31N-16W  
Many Rocks Gallup Project # 8 L-07-31N-16W  
Many Rocks Gallup Project #12 K-08-31N-16W  
Many Rocks Gallup Project #13 N-07-31N-16W  
Many Rocks Gallup Project #16 A-18-31N-16W  
Many Rocks Gallup Project #18 C-17-31N-16W  
Many Rocks Gallup Project #19 E-17-31N-16W ✓  
Many Rocks Gallup Project #21 G-17-31N-16W  
Many Rocks Gallup Project #22 K-17-31N-16W

Dear Ms. Kuchera:

I am writing in response to your letter of February 7, 1986. NMOCD Rule 705.B.1 states that whenever there is a continuous six-month period of noninjection into any injection project, storage project, salt water disposal well, or special purpose injection well, such project or well shall be considered abandoned, and the authority for injection shall automatically terminate ipso facto. This letter will serve as notice that your authority to inject into the referenced wells has been terminated. In your letter you indicated that you plan to return the wells to active injection status. It will be necessary to apply to the Division, through notice and hearing (Form C-108), for authority to inject. Before injection can recommence, the wells must prove mechanical integrity.

You are hereby directed to either return the wells to active status, apply for extension of temporary abandonment, apply for exception to temporary abandonment or plug and abandon the wells within five months.

Yours truly,

  
Carolyn J. Taplin  
Field Representative

CJT/dj

xc: Prentiss Childs  
✓ Well File  
Operator File  
UIC File



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

TONEY ANAYA  
GOVERNOR

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-8178

June 27, 1986

BK Petroleum Inc.  
PO Box 826  
Farmington, NM 87499

Re: Many Rocks Gallup Project # 6, G-07-31N-16W  
Many Rocks Gallup Project # 8, L-07-31N-16W  
Many Rocks Gallup Project #12, K-08-31N-16W  
Many Rocks Gallup Project #13, N-07-31N-16W  
Many Rocks Gallup Project #18, C-17-31N-16W  
Many Rocks Gallup Project #19, E-17-31N-16W ✓  
Many Rocks Gallup Project #21, G-17-31N-16W  
Many Rocks Gallup Project #22, K-17-31N-16W

Gentlemen:

Review of NMOCD records revealed that the temporary abandonment approval for the referenced injection wells expired in 1977. You are hereby directed to plug and abandoned the referenced wells, or appear and show cause why they should not be plugged and abandoned within 60 days.

Yours truly,

*Carolyn J. Taplin*  
Carolyn J. Taplin  
Field Representative

xc: Prentiss Childs  
Jeff Taylor  
UIC File  
✓ Well File  
Operator File

(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> <input type="checkbox"/> <b>WIW</b>		<b>RECEIVED</b> SEP 10 1986 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA	5. <b>LEASE DESIGNATION AND SERIAL NO.</b> 14-20-600-3531
2. <b>NAME OF OPERATOR</b> BK Petroleum, Inc.			6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Navajo-Ute Mtn.
3. <b>ADDRESS OF OPERATOR</b> P.O. Box 826, Farmington, NM 87499			7. <b>UNIT AGREEMENT NAME</b> Many Rocks Gallup Project
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  2073' FNL, 641' FWL, Sec. 17, T31N, R16W			8. <b>FARM OR LEASE NAME</b> Many Rocks Gallup
14. <b>PERMIT NO.</b>		15. <b>ELEVATIONS</b> (Show whether DF, RT, OR, etc.) GL 5586	9. <b>WELL NO.</b> 19
16. <b>CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		10. <b>FIELD AND POOL, OR WILDCAT</b> Many Rocks Gallup	
17. <b>DESCRIBE PROPOSED OR COMPLETED OPERATIONS</b> (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		11. <b>SEC., T., R., N., OR B.L. AND SURVEY OR AREA</b> Sec. 17, T31N, R16W	
		12. <b>COUNTY OR PARISH</b> San Juan	
		13. <b>STATE</b> NM	

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF	PULL OR ALTER CASING
FRACTURE TREAT	MULTIPLE COMPLETE
SHOOT OR ACIDIZE	ABANDON*
REPAIR WELL	CHANGE PLANS
(Other)	Return well to production

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREATMENT	ALTERING CASING
SHOOTING OR ACIDIZING	ABANDONMENT*
(Other)	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Water injection was discontinued at the subject well on 3/29/73.  
It is planned to convert this well to production by:

- 1) Acidizing with 500 gallons acid.
- 2) Running rods and pump.
- 3) Hang well on pump.

**RECEIVED**  
SEP 12 1986  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Mildred L. Kuchera

TITLE Engineer

(This space for Federal or State office use)

APPROVED BY ohz  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

**APPROVED**  
DATE September 5, 1986  
**AS AMENDED**

SEP 10 1986

Jim Shell  
AREA MANAGER

\*See Instructions on Reverse Side

NMOCC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OIL PETROLEUM  
MANY ROCKS  
PROJECT 1001

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. 2948

~~ORDER NO. R-2622~~

APPLICATION OF THE ATLANTIC REFINING  
COMPANY FOR A PRESSURE MAINTENANCE  
PROJECT, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 4, 1963, at Santa Fe, New Mexico, before Elvis A. Utz, 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 19th day of December, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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 cause and the subject matter thereof.

(2) That the applicant, The Atlantic Refining Company, seeks authority to institute a pressure maintenance project in the Many Rocks-Gallup Oil Pool, San Juan County, New Mexico, by the injection of water into the Gallup (Tocito) formation initially through 14 wells located or to be located within the proposed project area comprising the following-described acreage:

TOWNSHIP 31 NORTH, RANGE 16 WEST, NMPM

Section 6: SW/4 SW/4

Section 7: W/2 NE/4, SE/4 NE/4, NW/4,  
NW/4 SW/4, E/2 SW/4, and SE/4

Section 8: SW/4

Section 17: SE/4 NE/4, W/2 NE/4, NW/4,  
NW/4 SW/4, E/2 SW/4, and SE/4

Section 18: E/2 NE/4 and NW/4 NE/4

(3) That the applicant seeks the promulgation of special rules and regulations governing the proposed project similar to

the special rules and regulations governing the Many Rocks-Gallup Pressure Maintenance Project No. 1 promulgated by Order No. R-2541.

(4) That the applicant proposes that the special rules and regulations provide that the Atlantic-Navajo Well No. 17-5 located in the SE/4 SE/4 of Section 17, Township 31 North, Range 16 West, shall not produce in excess of top unit allowable for the pool until May 31, 1964, or until a Gallup pressure maintenance project has been instituted in the area offsetting said well outside the project area, whichever shall first occur.

(5) That the proposed pressure maintenance project is in the interest of conservation and should result in greater ultimate recovery of oil, thereby preventing waste.

(6) That the proposed special rules and regulations should be adopted in order to prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, The Atlantic Refining Company, is hereby authorized to institute a pressure maintenance project designated the Many Rocks-Gallup Pressure Maintenance Project No. 2 in the Many Rocks-Gallup Oil Pool, San Juan County, New Mexico, by the injection of water into the Gallup (Tocito) formation through 14 injection wells located or to be located in Unit M of Section 6, Units B, H, L, and N of Section 7, Unit L of Section 8, Units C, E, G, I, K, and O of Section 17, and Units A and B of Section 18, all in Township 31 North, Range 16 West, NMPM, San Juan County, New Mexico, with one injection well located on each of the above-described units.

(2) That special rules and regulations governing the Many Rocks-Gallup Pressure Maintenance Project No. 2, San Juan County, New Mexico, are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS  
FOR THE

MANY ROCKS-GALLUP PRESSURE MAINTENANCE PROJECT NO. 2

RULE 1. The project area of the Many Rocks-Gallup Pressure Maintenance Project No. 2, hereinafter referred to as the Project, shall comprise the following-described area:

TOWNSHIP 31 NORTH, RANGE 16 WEST, NMPM

Section 6: SW/4 SW/4

Section 7: W/2 NE/4, SE/4 NE/4, NW/4,  
NW/4 SW/4, E/2 SW/4, and SE/4

Section 8: SW/4

Section 17: SE/4 NE/4, W/2 NE/4, NW/4,  
NW/4 SW/4, E/2 SW/4, and SE/4

Section 18: E/2 NE/4 and NW/4 NE/4

RULE 2. The allowable for the Project shall be the sum of the allowables of the several wells within the project area, including those wells which are shut-in, curtailed, or used as injection wells. Allowables for all wells shall be determined in a manner hereinafter prescribed.

RULE 3. Allowables for injection wells may be transferred to producing wells within the project area, as may the allowables for producing wells which, in the interest of more efficient operation of the Project, are shut-in or curtailed because of high gas-oil ratio, pressure regulation, control of pattern or sweep efficiencies, or to observe changes in pressures or changes in characteristics of reservoir liquids or progress of sweep.

RULE 4. The allowable assigned to any well which is shut-in or which is curtailed in accordance with the provisions of Rule 3, which allowable is to be transferred to any well or wells in the project area for production, shall in no event be greater than its ability to produce during the test prescribed by Rule 6, below, or greater than the current top unit allowable for the pool during the month of transfer, whichever is less.

RULE 5. The allowable assigned to any injection well on a 40-acre proration unit shall be top unit allowable for the pool.

RULE 6. The allowable assigned to any well which is shut-in or curtailed in accordance with Rule 3 shall be determined by a 24-hour test at a stabilized rate of production which shall be the final 24-hour period of a 72-hour test throughout which the well should be produced in the same manner and at a constant rate. The daily tolerance limitation set forth in Rule 502 I (a) of the General Rules and Regulations and any limiting gas-oil ratio for the pool shall be waived during such tests. The project operator shall notify the Commission and all offset operators in writing of the exact time and date such tests are to be conducted. The Commission and representatives of the offset operators may witness the tests.

RULE 7. The allowable assigned to each producing well in the Project shall be equal to the well's ability to produce or to top unit allowable for the pool, whichever is less. Each producing well shall be subject to the limiting gas-oil ratio (2,000 to 1) for the pool, except that any well or wells within the project area producing with a gas-oil ratio in excess of 2,000 cubic feet of gas per barrel of oil may be produced on a "net" gas-oil ratio basis, which net gas-oil ratio shall be determined by applying credit for daily average gas injected, if any, into the pool within the project area to such high gas-oil ratio well. The daily adjusted oil allowable for any well receiving gas injection credit shall be determined in accordance with the following formula:

$$A_{adj} = \frac{TUA \times F_a \times 2,000}{\frac{P_g - I_g}{P_o}}$$

where:

- $A_{adj}$  = the well's daily adjusted allowable
- TUA = top unit allowable for the pool
- $F_a$  = the well's acreage factor
- $P_g$  = average daily volume of gas produced by the well during the preceding month, cubic feet
- $I_g$  = the well's allocated share of the daily average gas injected during the preceding month, cubic feet
- $P_o$  = average daily volume of oil produced by the well during the preceding month, barrels

In no event shall the amount of injected gas being credited to a well be such as to cause the net gas-oil ratio,  $\frac{P_g - I_g}{P_o}$ , to be less than 2,000 cubic feet of gas per barrel of oil produced.

**RULE 8.** Credit for daily average net water injected into the pool through any injection well located within the project area may be converted to its gas equivalent and applied to any well producing with a gas-oil ratio in excess of two thousand cubic feet of gas per barrel of oil. Total credit for net water injected in the project area shall be the gas equivalent volume of the daily average net water injected during a one-month period. The daily average gas equivalent of net water injected shall be computed in accordance with the following formula:

$$E_g = (V_w \text{ inj} - V_w \text{ prod}) \times 5.61 \times \frac{P_a \times 520^0}{15.025 \times T_r} \times \frac{1}{Z}$$

where:

- $E_g$  = Average daily gas equivalent of net water injected, cubic feet
- $V_w \text{ inj}$  = Average daily volume of water injected, barrels
- $V_w \text{ prod}$  = Average daily volume of water produced, barrels
- 5.61 = Cubic foot equivalent of one barrel of water



- $P_a$  = Average reservoir pressure at mid-point of the pay-zones of the pool in the project area, psig + 12.01, as determined from most recent survey
- 15.025 = Pressure base, psi
- 520° = Temperature base of 60°F expressed as absolute temperature
- $T_r$  = Reservoir temperature of 92°F expressed as absolute temperature (552°R)
- $Z$  = Compressibility factor from analysis of gas from the pool at average reservoir pressure,  $P_a$ , interpolated from compressibility tabulation below:

Reservoir Pressure	Z	Reservoir Pressure	Z	Reservoir Pressure	Z
50	.9725	300	.8325	500	.6560
100	.9465	350	.8030	600	.6135
150	.9215	400	.7710	650	.5655
200	.8885	450	.7220	700	.5220
250	.8600	500	.6900	750	.4630
				800	.3935

**RULE 9.** Each month the project operator shall, within three days after the normal unit allowable for Northwest New Mexico has been established, submit to the Commission a Pressure Maintenance Project Operator's Report, on a form prescribed by the Commission, outlining thereon the data required, and requesting allowables for each of the several wells in the Project as well as the total Project allowable. The aforesaid Pressure Maintenance Project Operator's Report shall be filed in lieu of Form C-120 for the Project.

**RULE 10.** The Commission shall, upon review of the report and after any adjustments deemed necessary, calculate the allowable for each well in the Project for the next succeeding month in accordance with these rules. The sum of the allowables so calculated shall be assigned to the Project and may be produced from the wells in the project in any proportion except that the Atlantic-Navajo Well No. 17-5, located in the SE/4 SE/4 of Section 17, Township 31 North, Range 16 West, shall not produce in excess of the top unit allowable for the pool until May 31, 1964, or until a Gallup pressure maintenance project has been instituted in the area offsetting said well outside the project area, whichever shall first occur.

RULE 11. The conversion of producing wells to injection, the drilling of additional wells for injection, and expansion of the project area shall be accomplished only after approval of the same by the Secretary-Director of the Commission. To obtain such approval, the project operator shall file proper application with the Commission, which application, if it seeks authorization to convert additional wells to injection or to drill additional injection wells shall be filed in accordance with Commission Rule 701-B and shall be accompanied by a statement that all offset operators to the proposed injection well have been furnished a complete copy of the application and the date of notification.

The Secretary-Director may approve the proposed injection well if, within 15 days after receiving the application, no objection to the proposal is received. The Secretary-Director may grant immediate approval, provided waivers of objection are received from all offset operators and from the State Engineer.

Expansion of the project area may be approved by the Secretary-Director of the Commission administratively when good cause is shown therefor.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

E. S. WALKER, Member

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

S E A L

esr/

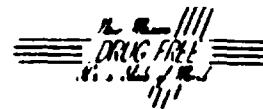




STATE OF NEW MEXICO

ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE



BRUCE KING  
GOVERNOR

ANGA LOCKWOOD  
CABINET SECRETARY

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

August 25, 1992

George Robin, Navajo Technical Lead  
UIC Section  
United States Environmental Protection Agency  
75 Hawthorne Street  
San Francisco, CA 94105

RE: UIC Wells - BK Petroleum, Inc.  
~~Many Rocks Gallup Wells~~ #1, #2, #8, #18, #~~21~~ #21 and #22  
E-111-31N-10W

Dear George:

There has been a continuous six-month period of non-injection in the Many Rocks Gallup Wells #8, #18, #19, #21 and #22. Pursuant to OCD Rule 705-C-1, BK Petroleum's authorization to inject has terminated. BK Petroleum is required to run an MIT on these wells in order to resume or continue injecting. BK was due for testing on all wells on June 14, 1989. They would like to run the MIT's on the above listed wells at one time prior to November 1, 1992 as a coordinated effort between the EPA and OCD. I will contact Ken upon receipt of a test schedule so that he may be present to witness the testing.

Sincerely,

*Dianna K. Fairhurst*

Dianna K. Fairhurst  
Deputy Oil & Gas Inspector

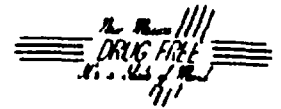
XC: UIC File  
DKF File  
Mildred Kuchera-BK Petroleum, Inc.



STATE OF NEW MEXICO

ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

August 25, 1992

Mildred L. Kuchera  
BK Petroleum, Inc.  
PO Box 826  
Farmington, NM 87499

RE: Temporarily Abandoned Injection Wells

~~Temporarily Abandoned Injection Wells~~ #8, #18, ~~Wells~~ #21 and #22

E-17-BIN-12W

Dear Ms. Kuchera:

The New Mexico Oil Conservation Division, as part of its Underground Injection Control authority, requires BK Petroleum to perform a MIT on the above injection wells once every five years. MIT's were due on June 14, 1989. Many Rocks Gallup Wells #1 and #2 are active injection wells and were also due on June 14, 1989.

As agreed upon in our telephone conversation today, the MIT's should be completed by November 1, 1992. The MIT's will allow BK Petroleum to continue injecting produced water into the wells cited in this letter. We require a 24 to 48 hour notice so that we may be present to witness testing. BK will furnish personnel and equipment to complete the tests.

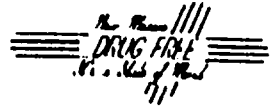
If you have any questions please feel free to contact this office.

Sincerely,

*Dianna K. Fairhurst*

Dianna K. Fairhurst  
Deputy Oil & Gas Inspector

XC: David Catanach-UIC Director  
George Robin-EPA  
UIC File  
DKF File  
~~Well File~~



STATE OF NEW MEXICO  
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

October 26, 1992

Mildred L. Kuchera  
BK Petroleum, Inc.  
PO Box 826  
Farmington, NM 87499

RE: Mechanical Integrity Testing  
Many Rocks Gallup Wells #1, #2, #8, #18, #19, #21 and #22

E-17-3N-16W

Dear Ms. Kuchera:

This is in response to your October 21, 1992 letter requesting approval to extend BK's November 1, 1992 deadline to test the above mentioned wells. BK is now required to complete all MIT's no later than November 30, 1992. Failure to meet this deadline will result in the shut-in of these well and temination of your authorization to inject. No futher extensions will be granted.

If you have any questions please feel free to contact this office.

Sincerely,

*Dianna K. Fairhurst*

Dianna K. Fairhurst  
Deputy Oil & Gas Inspector

XC: David Catanach-UIC Director  
George Robin-EPA  
Ken Lingo-EPA Inspector  
UIC File  
DKF File  
Well File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Water Injection

2. Name of Operator

BK Petroleum, Inc.

3. Address and Telephone No.

P.O. Box 826, Farmington, NM 87499-0826 505-326-3139

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW NM (Unit E) 2073' FNL & 641' FWL Sec. 17

31 N-16W

5. Lease Designation and Serial No.  
14-20-600-3531

6. If Indian, Allottee or Tribe Name  
Navajo - Ute Mtn.

7. If Unit or CA, Agreement Designation

Many Rocks Gallup Proj.

8. Well Name and No.

Many Rocks Gallup

9. API Well No.

19

10. Field and Pool, or Exploratory Area

Many Rocks Gallup

11. County or Parish, State

San Juan County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Return well to  
production

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Per your letter request dated May 3, 1993 the following has been done to return this former water injection well to production : (7/20/93). Rig up well service unit. Release Model A Baker injection packer. Trip out of hole. Go back in hole with scraper and circulate hole clean. Trip out. Go in hole with production tubing. Swab well into workover tank to ascertain commercial production. Well swabs at the rate of 10 bopd. Run 2" x 1-2" x 8' RWAC insert pump and 5/8" rods. Hang well on and rig down pulling unit. Bring pump jack to location. Wait on electric hookup and flowline tie in.

RECEIVED

AUG 17 1993

OIL CON. DIV.  
DIST. 3

93 AUG 11 AM 9:51  
070 FARMINGTON, NM

RECEIVED  
BLM

14. I hereby certify that the foregoing is true and correct

Signature [Signature] Title Engineer

Date 8-10-93

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any:

ACCEPTED FOR RECORD

AUG 16 1993

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

NM000

FARMINGTON DISTRICT OFFICE

Y Shr

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation Many Rocks Gallup Pro
2. Name of Operator BK Petroleum Inc.	8. Well Name and No. Many Rocks Gallup
3. Address and Telephone No. P.O. Box 826, Farmington, NM 87499 505-326-3139	9. API Well No. 19 30-45-12154
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2073' FNL, 641' FWL, Sec 17, T31N, R16W E	10. Field and Pool, or Exploratory Area Many Rocks Gallup
	11. County or Parish, State San Juan, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Well returned to production
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The following work was done to return this well to production (Feb.15, 1997)  
Installed new pumping unit engine. Type: Continental Red Seal (6 cylinder)  
Well producing at a rate of 3bopd and 2bwpd.

RECEIVED  
FEB 23 1997  
OIL CON. DIV.  
DIST. 8

RECEIVED  
BLM  
FEB 24 PM 1:16  
FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct.  
Signed [Signature] Title President Date February 20, 1997

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

ACCEPTED \_\_\_\_\_

FEB 23 1997

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FARMINGTON DISTRICT OFFICE



DISTRIBUTION		
STATE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		3
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C.  
Effective 1-1-65

Operator  
ARCO Oil and Gas Company, Division of Atlantic Richfield Company

Address  
1860 Lincoln St., Suite 501, Denver, Colorado 80295

Reason(s) for filing (Check proper box)

New Well	<input type="checkbox"/>	Change in Transporter of:		Other (Please explain)	Effective 4/1/79
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Dry Gas	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	Condensate	<input type="checkbox"/>

Assumed name for formerly Atlantic Richfield Company.

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Many Rocks Gallup	Well No.	19	Pool Name, including Formation	Many Rocks Gallup	Kind of Lease	State, Federal or Fee	Lease No.	Fed. 14-20-600-35
Location									
Unit Letter	E	2073	Feet From The	North	Line and	641	Feet From The	West	
Line of Section	17	Township	31N	Range	16W	NMPM,	San Juan	County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	<input type="checkbox"/>	or Condensate	<input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Water Injection well - Shut In					
Name of Authorized Transporter of Casinghead Gas	<input type="checkbox"/>	or Dry Gas	<input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected? When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Rest'v.	Diff. Rest'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

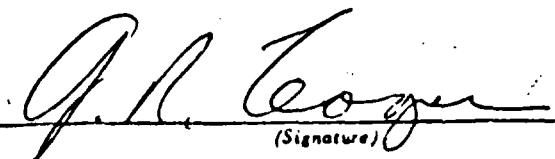
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

  
(Signature)  
Accounting Supervisor  
(Title)  
March 9, 1979  
(Date)

OIL CONSERVATION COMMISSION

APPROVED MAR 12 1979, 19  
BY Original Signed by A. R. Kendrick  
TITLE SUPERVISOR DIST. #3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate forms C-104 must be filed for each pool in multiply completed wells.

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT III  
1000 Rio Diazos Rd., Aztec, NM 87410

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator BK Petroleum, Inc.		Well API No. 30-045-87056
Address P.O. Box 826, Farmington, NM 87499-0826; 505-326-3139		
Reason(s) for Filing (Check proper box) <input checked="" type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	Convert from water injection to production.
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
If change of operator give name and address of previous operator		

#### II. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup	Well No. 19	Pool Name, Including Formation Many Rocks Gallup	Kind of Lease State, Federal or Fee	Lease No. 14-20-600-3531
Location				
Unit Letter E	: 2073	Feet From The North	Line and 641	Feet From The West
Section 17	Township 31N	Range 16W	NMPM, San Juan	County

#### III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil Giant Refinery	<input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. Box 12999, Scottsdale AZ 85267	
Name of Authorized Transporter of Casinghead Gas	<input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
If well produces oil or liquids, give location of tanks. TB 1	Unit L	Sec. 17	Twp. 31N
		Rge. 16W	
Is gas actually connected?		When?	

If this production is commingled with that from any other lease or pool, give commingling order number:

#### IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Mud Block	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.D.T.D.			
Elevations (DF, RKB, RF, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

#### V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of lost oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)			
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	RECEIVED SEP 16 1993 OIL CON. DIV. DIST. 3
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pw.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

#### VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Mildred L. Kuchera  
Signature  
Mildred L. Kuchera President  
Printed Name  
9/14/93 Date  
505-326-3139 Telephone No.

#### OIL CONSERVATION DIVISION

Date Approved SEP 16 1993

By Bill D. Shum  
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

BK Petroleum Inc

% NMOCO

3. Address and Telephone No.

1000 Rio Brazos Rd. Aztec NM 87410 334-6178

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

17-31N-16W 1973/N-1941/W

5. Lease Designation and Serial No.

14-20-600-3531

6. If Indian, Allottee or Tribe Name

Navajo Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.

20 Many Rocks

9. API Well No.

3004510804

10. Field and Pool, or Exploratory Area

Many Rocks Gallup

11. County or Parish, State

San Juan, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached plugging procedure.

14. I hereby certify that the foregoing is true and correct

Signed NMOCO Contract Plugging

Date 8/11/00

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date 8/17/00

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

NMOCO

API NUMBER 30-045-10804  
 OPERATOR NAME BK PETROLEUM INC WELL NUMBER 20  
 PROPERTY NAME MANY ROCKS GALLUP UNIT

SECTION 17 TOWNSHIP 31N RANGE 16W

FOOTAGE 1973 FNL- 1941 FWL UL 'F'

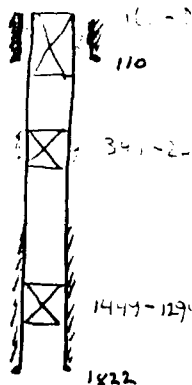
Sur Csg OD 15" HOLE	10 3/4	XX			XX
SUR CSG TD	110	XX			XX
SUR CSG WT	32.75	XX			XX
TOP OF CMT	0	XX			XX
ACTUAL	CIRC	XX			XX
CACULATED	110SX	XX			XX
PROD CSG OD 6 3/4 HOLE	4 1/2	XX			XX
PROD CSG TD	1822	XX	XX		XX
PROD CSG WT	9.5	XX	XX		XX
TOP OF CMT	722	XX	XX		XX
FORMATION TOP	ACTUAL		XX		XX
GALLUP 1590'	CACULATED		XX		XX
MANCOS 290'	PERF TOP		XX		XX
	PERF BOTTOM		XX		XX
	PACKER		XX		XX
	TYPE OF PLUG		XX		XX
	CIBP & CMT		XX		XX
	CMT		XX		XX

### PROPOSED PLUGGING OPERATION

MIRU PU, BOPE, TOOH WITH TUBING& RODS, RIH with work string, circ hole clean  
 Spot 14 SX plug @ 1610 - 1460, WOC TAG, POOH

PERF @ 340' PUMP 38 SX, 340-240', 24 SX OUTSIDE CSG, 14 SX INSIDE CSG  
 RIH, PERF @ 160', CIRC CEMENT TO SURFACE, LEAVE CSG FULL, EST 75 SX  
 cut off well head, install P&A marker, dig and cut anchors,

Close pits according to guidelines: Clean and level location



30-045-10841

Form 9-521b  
(April 1962)


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R300.4

Indian Agency Gallup

Navajo - Ute Mtn Tribal

Allettee

Lease No. 11-20-600-3531

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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			

U. S. GEOLOGICAL SURVEY  
FERTILIZATION DIVISION

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

June 25, 1963

Navajo  
Well No. 17-3 is located 1973 ft. from N line and 1941 ft. from E line of sec. 17  
SE 1/4 SW 1/4 Sec. 17 31N 16W NMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Undesignated San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground above sea level is 5700 ft.

JUN 27 1963  
OIL CON. CO.  
DIST. 3

DETAILS OF WORK

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

We propose to drill this well to test the Gallup (or Lower Niobrara) sands at a depth of approximately 1730'. Also, if structural position of these sands is favorable, we also wish to test the Dakota formation at approximately 2100'. Estimated T.D. in this case is 2450'.

100' of 10 3/4" O.D. 32.75# H-40 casing will be set and cemented to surface. 4 1/2" O.D. 9.5# or 10.5# J-55 production casing will be set through any single producing zone and cemented to 500' above Gallup sands. The production string will be redesigned if a dual completion is required. A sand-oil and/or Water fracture will probably be necessary in either zone.

ILLEGIBLE

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

Company The Atlantic Refining Company

Address Box 2197

Farmington, N.M.

By B. J. Sartain

Title Drilling & Production Supervisor

## NEW MEXICO OIL CONSERVATION COMMISSION

## Well Location and Acreage Dedication Plat

Section A.

Date **June 25, 1963**

Operator **THE ATLANTIC REFINING COMPANY** Lease **Marajo**  
 Well No. **17-3** Unit Letter **F** Section **17** Township **31 NORTH** Range **16 WEST** NMPM  
 Located **1973** Feet From **the NORTH** Line, **1941** Feet From **the WEST** Line  
 County **SAN JUAN** G. L. Elevation **5700'** Dedicated Acreage **10.0** Acres  
 Name of Producing Formation **Saltap (Lower Niobrara)** Pool **Undersaturated**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes ☒ 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

ILLEGIBLE

RECEIVED

JUN 27 1963

OIL CON. COM.  
DIST. 3

Section B.

Note: All distances must be from outer boundaries of section.

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

**The Atlantic Refining Co.**

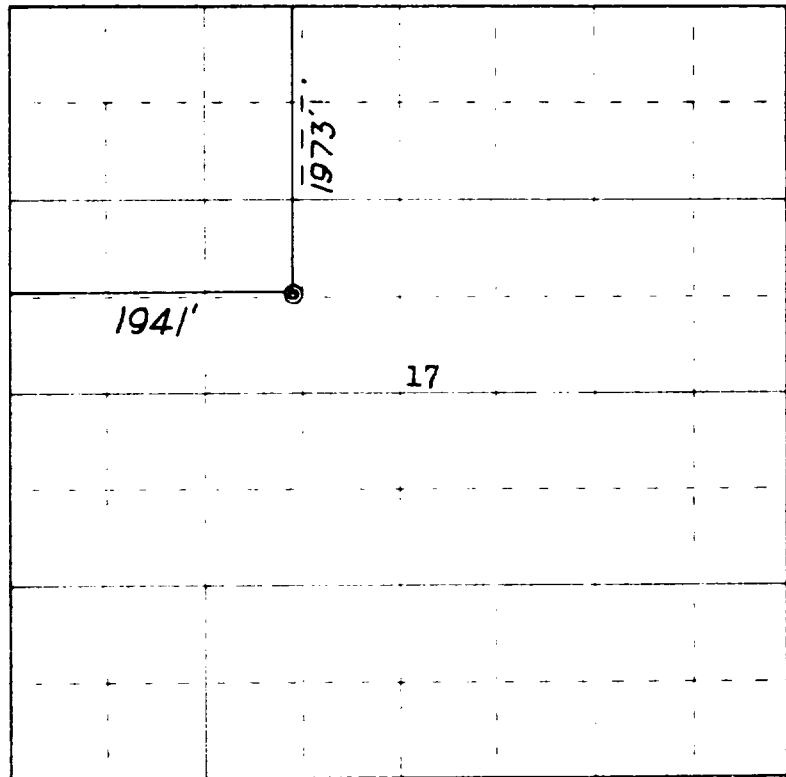
(Operator)

**B. J. Sartin**

(Representative)

**P. O. Box 2197**

(Address)

**Farmington, N.M.**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys  
 made by me or under my supervision and that the same are true and correct to the best  
 of my knowledge and belief.

Date Surveyed **22 June 1963**

**James P. Leese**  
 Registered Professional Engineer and/or Land Surveyor  
 James P. Leese, N. Mex. Reg. No. 1463

Farmington, New Mexico

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency  Gallup   
 Navajo - Ute Mtn.   
Allottee \_\_\_\_\_  
Lease No.  14-90-600-300


SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	RECEIVED JUL 23 1963
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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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)

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

July 22

1963

Well No.  NAVAJO 17-3  is located  1973  ft. from  N  line and  1941  ft. from  W  line of sec.  36   
 SE 1/4 Sec. 27   30N   16W   R6PM   
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
 Undesignated   San Juan   New Mexico   
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is  5710  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)

Perforated 1760-1767 with 1 jets/ft. Treated perfs w/16000# 10/20 sand and 2000# 8/12 sand in 21,000 gal. lease crude. FHP 2600/1900 psi avg rate 28 bpm at 1700 psi. Job complete 6:40 pm 7-9-63. Set retrievable bridge plug at 1641.

Perforated 1626-1631 with 1 jets/ft. Treated with 100 gal 15% HCL and 15,000# 10/20 sand and 1500# 8/12 sand in 21,000 gal lease crude. FHP 1800/1500 psi. Avg rate 21.5 BPM at 2100 psi. Job complete at 2:00 pm 7-10-63.

ILLEGIBLE

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

Company  The Atlantic Refining Co.

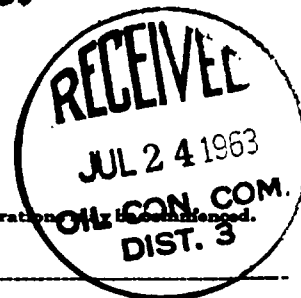
Address  P. O. Box 2197

Farmington, N.M.

By

B. J. Sartain

Title  Drilling & Production Supervisor





THE ATLANTIC REFINING COMPANY  
INCORPORATED 1870  
PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT  
ROCKY MOUNTAIN REGION

R. T. COX, MANAGER  
T. S. PAGE, LAND MANAGER  
A. D. KLOXIN, OPERATIONS MANAGER

WYOMING 2197 L. BANK BLDG.

Farmington, N.M.  
July 30, 1963  
BOX 180  
CAMPBELL, WYOMING

State of New Mexico  
Oil Conservation Commission  
1000 Rio Brases Road  
Astec, New Mexico

ILLEGIBLE

Gentlemen:

A tabulation of the straight hole tests which were run on our Navajo 17-3 well is shown below. This well is located 1973' FWL and 1941' FWL, Section 17, Township 31N, Range 16W San Juan County, New Mexico.

DEPTH	DEVIATION
95'	1°
245'	1 1/2°
641	1°
888	1°
1072	2 3/4°
1412	1°
1630	3/4°
T.D. 1845	

Yours truly,  
THE ATLANTIC REFINING CO.

*B. J. Sartain*  
B. J. Sartain  
Drilling & Production Supervisor

BJS:sjc

AFFIDAVIT

STATE OF NEW MEXICO

COUNTY OF *San Juan*

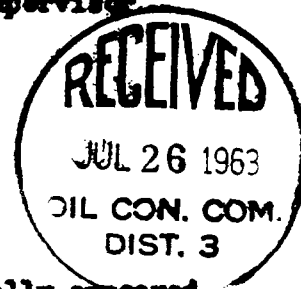
Before me, the undersigned authority on this day personally appeared *B. J. Sartain*, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states herein, and that said report is true and correct.

Subscribed and sworn to before me this *12th* day of *July*, 19*63*.

My Commission Expires:

*July 31 1964*

*Agnesine Cox*  
Notary Public





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**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

*B.T.*

**FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE**

Company or Operator <b>The Atlantic Refining Company</b>				Lease <b>Navajo</b>		Well No. <b>17-3</b>	
Unit Letter <b>F</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>		County <b>San Juan</b>		
Pool <b>Mary Rock Gallup</b>					Kind of Lease (State, Fed, Fee) <b>Tribal</b>		
If well produces oil or condensate give location of tanks			Unit Letter <b>E</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>Mc Wood Corp.</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702 Farmington, New Mexico</b>			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/>			Date Connected	Address (give address to which approved copy of this form is to be sent)			

If gas is not being sold, give reasons and also explain its present disposition:

**No Market used for lease fuel**

**ILLEGIBLE**

**REASON(S) FOR FILING (please check proper box)**

New Well ..... ☒ Change in Ownership ..... ☐  
 Change in Transporter (check one) Other (explain below)  
 Oil ..... ☐ Dry Gas .... ☐  
 Casing head gas . ☐ Condensate.. ☐



Remarks
---------

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 25 day of July, 1963.

OIL CONSERVATION COMMISSION		By <i>B. J. Bartain</i>
Approved by <b>Original Signed Emory C. Arnold</b>		Title <b>Drilling &amp; Production Supervisor</b>
Title <b>Supervisor Dist. # 3</b>		Company <b>The Atlantic Refining Co.</b>
Date <b>JUL 26 1963</b>		Address <b>Box 2197, Farmington, N.M.</b>

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

(Form C-104)  
Revised 7/1/57

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farrington, New Mexico

7-25-63

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

The Atlantic Refining Company

Navajo

Well No. 17-3

in SE

NW

(Company or Operator)

(Lease)

F

Sec. 17

T. 31N

R. 16W

NMPM, Many Rocks Gallup

Pool

Unit Letter

San Juan

County. Date Spudded 6-26-63

Date Drilling Completed 7-6-63

Elevation 5700 OL

Total Depth 1045

PBTD

1787

Top Oil/Gas Pay 1626

Name of Prod. Form. Gallup

PRODUCING INTERVAL -

Perforations 1626 - 1631

1760-1767

Open Hole None

Depth 1822

Depth 1777

OIL WELL TEST -

Natural Prod. Test: None bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 133 bbls. oil, None bbls water in 2h hrs, 0 min. Size Pump

GAS WELL TEST -

Natural Prod. Test: None MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): Lower Gallup 16000# 10/20 sd. 2000# 8/12 sd in 24,000 Gal

Casing \_\_\_\_\_ Tubing \_\_\_\_\_ Date first new 7-24-63

Press. \_\_\_\_\_ Press. \_\_\_\_\_ oil run to tanks

Oil Transporter Ms Wood Corp.

Gas Transporter None

Tubing, Casing and Cementing Record

Size Feet Sax

<u>10 3/4</u>	<u>98</u>	<u>90</u>
<u>4 1/2</u>	<u>1811</u>	<u>100</u>
<u>2 3/8</u>	<u>1768</u>	

Remarks: Lease crude Upper Gallup 100 gal 15% Hal 15,000# 10/20 sd, 1500# 8/12 sd  
21,000 gal lease crude 1166 bbls load oil both zones

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved: JUL 26 1963, 19\_\_\_\_

The Atlantic Refining Co. OIL CON. COM.  
(Company or Operator) DIST. \_\_\_\_\_

OIL CONSERVATION COMMISSION

By: B. J. Sartain  
(Signature)  
Title: Drilling & Production Supervisor

By: Original Signed Emery C. Arnold  
Title: Supervisor Dist. # 3

Send Communications regarding well to:  
The Atlantic Refining Co.  
Name: \_\_\_\_\_  
Address: Box 2197, Farrington, N.M.

ILLEGIBLE

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REGISTRATION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

**FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE**

Company or Operator <b>The Atlantic Refining Company</b>				Lease <b>Mary Rocks Gallup Proj.</b>		Well No. <b>20</b>
Unit Letter <b>F</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>	County <b>San Juan</b>		
Pool <b>Mary Rocks Gallup</b>				Kind of Lease (State, Fed, Fee) <b>Navajo Ute Atn. Tribal</b>		
If well produces oil or condensate give location of tanks		Unit Letter	Section	Township	Range	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/>  <b>Marlow Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702 Farmington, New Mexico</b>		
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/>  <b>None</b>		Date Connected	Address (give address to which approved copy of this form is to be sent)			

If gas is not being sold, give reasons and also explain its present disposition:

**No market. Used for lease fuel.**

**REASON(S) FOR FILING (please check proper box)**

New Well ☐  
 Change in Transporter (check one)  
 Oil ☐ Dry Gas ☐  
 Casing head gas ☐ Condensate ☐

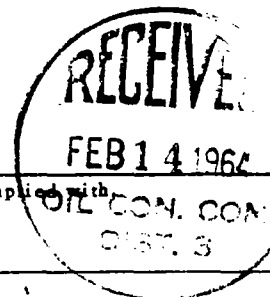
Change in Ownership ☐  
 Other (explain below)

**Change in well name as part of Mary Rocks Project which was effective at 7:00 A.M. 1-1-64**

"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"

Remarks

**This replaces Form C-110 which was filed 1-29-64, because well numbering system was not acceptable**



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with

Executed this the **12** day of **February**, 19**64**

OIL CONSERVATION COMMISSION		By <b>B. J. Sartain</b>
Approved by	Original Signed <b>Emery C. Arnold</b>	Title <b>Drilling &amp; Production Supervisor</b>
Title		Company <b>The Atlantic Refining Company</b>
Date	Address <b>Box 2197 Farmington New Mexico</b>	

**FEB 14 1964**

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OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM 2-110**  
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator	<b>The Atlantic Refining Co.</b>	Lease	<b>Many Rocks Gallup Project</b>	Well No.	<b>17-F</b>
---------------------	----------------------------------	-------	----------------------------------	----------	-------------

Unit Letter	<b>F</b>	Section	<b>17</b>	Township	<b>31-N</b>	Range	<b>16-W</b>	County	<b>San Juan</b>
-------------	----------	---------	-----------	----------	-------------	-------	-------------	--------	-----------------

Pool	<b>Many Rocks Gallup</b>	Kind of Lease (State Fed. Fee)	<b>Navajo Ute Ind. Tribal</b>
------	--------------------------	--------------------------------	-------------------------------

If well produces oil or condensate give location of tanks	Unit Letter	Section	Township	Range
--	-------------	---------	----------	-------

Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>	Address (give address to which approved copy of this form is to be sent) <b>Box 1702, Farmington, New Mexico</b>
---	---

Is Gas Actually Connected? Yes ☐ No ☒

Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/> <b>No Market</b>	Date Connected	Address (give address to which approved copy of this form is to be sent)
--	----------------	--

If gas is not being sold, give reasons and also explain its present disposition:

**No Market. Used for lease fuel**

**REASON(S) FOR FILING (please check proper box)**

New Well ..... ☐  
 Change in Transporter (check one)  
 Oil ..... ☐ Dry Gas ..... ☐  
 Casing head gas . ☐ Condensate.. ☐

Change in Ownership ..... ☐  
 Other (explain below)  
**Change in well name as part of  
 Many Rocks Gallup Project which was  
 effective at 7:00 A.M. 1-1-64**

Remarks

**Agreement actually signed 1-17-64, made retroactive to 1-1-64**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with

Executed this the **23** day of **January**, 19 **64**

OIL CONSERVATION COMMISSION

Approved by

By

Title

Company

Title

Date

Address

**Original Signed Emery C. Arnold**

**Drilling & Production Supervisor**

**The Atlantic Refining Company**

**Supervisor Dist. # 3**

**Box 2197, Farmington, New Mexico**

**JAN 29 1964**

**RECEIVED**  
**JAN 29 1964**

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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	NAT
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED  
JUL 03 1984

OIL CON. DIV.  
DIST. 3

I. Operator  
BK Petroleum, Inc.  
Address  
501 Airport Dr.-Suite 165, Farmington, N.M. 87401  
Reason(s) for filing (Check proper box)  
☐ New Well  
☐ Recompletion  
☒ Change in Ownership  
Change in Transporter of:  
☐ Oil  
☐ Gas  
☐ Dry Gas  
☐ Condensate  
Other (Please explain)

If change of ownership give name and address of previous owner Arco Oil & Gas Co., P.O. Box 5540, Denver, Co. 80217

II. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup Unit	Well No. 20	Pool Name, including Formation Many Rocks Gallup	Kind of Lease Fed. 14-20-600- State, Federal or Fee 3531	Lease No.
Location Unit Letter F : 1973 Feet From The North Line and 1441 Feet From The West Line of Section 17 Township 31N Range 16W, NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

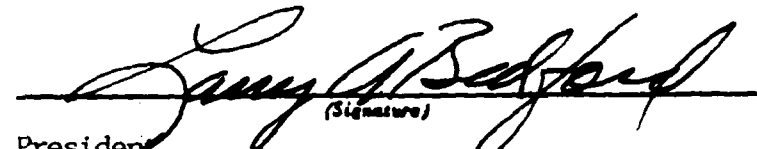
Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Ciniza Pipeline	Address (Give address to which approved copy of this form is to be sent) P.O. Box 940, Farmington, N.M. 87409
Name of Authorized Transporter of Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks. Unit L Sec. 17 Twp. 31N Rge. 16W	Is gas actually connected? When

If this production is commingled with that from any other lease or pool, give commingling order number:

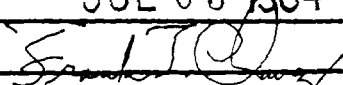
NOTE: Complete Parts IV and V on reverse side if necessary.

I. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

  
President  
June 1, 1984  
(Signature)  
(Title)  
(Date)

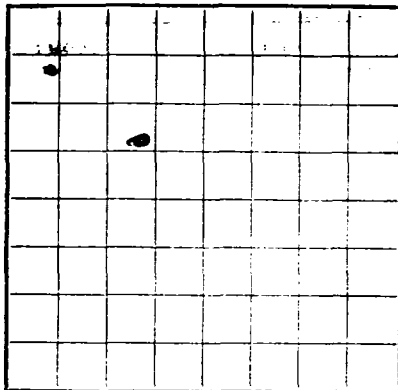
OIL CONSERVATION DIVISION

APPROVED JUL 03 1984  
BY   
TITLE SUPERVISOR DISTRICT #8

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

ILLEGIBLE

Form 9-330



LOCATE WELL CORRECTLY



Budget Bureau No. 42-R365.4.  
Approval expires 12-31-60.

U. S. LAND OFFICE Gallego  
SERIAL NUMBER Navajo Mtn Tribal  
LEASE OR PERMIT TO PROSPECT  
14-20-600-3531

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



JUL 30 1963

LOG OF OIL OR GAS WELL

U. S. GEOLOGICAL SURVEY  
MEXICO

Company The Atlantic Refining Co. Address Box 2197, Farmington, N.M.  
Lessor or Tract Navajo Field Undesignated State New Mexico  
Well No. 17-3 Sec. 17 T. 31N R. 16W Meridian N County San Juan  
Location 1973 ft. SE of N Line and 1981 ft. E of N Line of Sec. 17 Elevation 5710  
(Denote base relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

*B. S. Sartin*

Date July 29, 1963

Title Drilling & Production Supv.

The summary on this page is for the condition of the well at above date.

Commenced drilling 6-26, 1963 Finished drilling 7-6, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1625 to 1639 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 1769 to 1785 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4	22.5	110	100	100	100	100	100	100	100
HIGLOWA OL OIL OR GAS WELL									
10 3/4 22.5 110 100 100 100 100 100 100									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	110.63	110	Pump & Plug		Cement Circulated

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1760-67	w/16,000#	10/20 rd and 2000#	8/12 sand in	21,000 gal lease crude	7-9-63	
1626-31	w/15,000#	10/20 rd and 1500#	8/12 sand in	21,000 gal lease crude	7-10-63.	

## HISTORY OF DRILLING

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ to \_\_\_\_\_ feet; and from \_\_\_\_\_ to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ to \_\_\_\_\_ feet; and from \_\_\_\_\_ to \_\_\_\_\_ feet.

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing 7-24 1ST New Oil \_\_\_\_\_, 19 63

The production for the first 24 hours was 133 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment.

Gravity, °Bé. 41.1° API

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

Signal Oilfield Services Driller \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	290	290	Mesaverde Group
290	1590	1300	Nancoa Shale
1590	1768	178	Niobrara Formation
1618	1634	16	Upper Niobrara Sandstone
1750	1768	18	Basal Niobrara Sandstone
1768	1785	17	Juana Lopez member
1785	1845 TD	60	Carlile

ILLEGIBLE

JP-50-400-3237

FORMATION RECORD—Continued

NO. OF COPIES RECEIVED		5
DISTRIBUTION		
SANTA FE		1
FILE		1
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	1
	GAS	
OPERATOR		2
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-11  
Effective 1-1-65

TRANSPORTER CHANGED FROM SHELL  
OIL COMPANY TO SHELL PIPE LINE  
CORPORATION EFFECTIVE 12/31/69

I. Operator  
**THE ATLANTIC REFINING COMPANY**

Address  
**BOX 2197 FARMINGTON, NEW MEXICO**

Reason(s) for filing (Check proper box)

New Well ☐

Recompletion ☐

Change in ownership ☐

Change in Transporter of:

Oil ☒

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)

If change of ownership give name  
and address of previous owner

**"Effective May 3, 1966, The Atlantic  
Refining Company changed its name to  
Atlantic Richfield Company"**

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Many Rocks Gallup Project</b>	Well No. <b>20</b>	Pool Name, including Formation <b>Many Rocks Gallup</b>	Kind of Lease State, Federal or Fee <b>Tribal</b>
Location Unit Letter <b>F</b> ; <b>1972</b> Feet From The <b>North</b> Line and <b>1941</b> Feet From The <b>West</b> Line of Section <b>17</b> , Township <b>31N</b> Range <b>16W</b> , NMPM, <b>San Juan</b> County			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> <b>Shell Oil Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Box 1588, Farmington, New Mexico</b>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> <b>None</b>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks. Unit <b>L</b> Sec <b>17</b> Twp <b>31N</b> Rng <b>16W</b>	Is gas actually connected? <b>No</b> When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Pool	Name of Producing Formation	Top Oil/Gas	Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company			Depth		
Perforations						Depth Casing Shoe		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	JOINTS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE  
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or greater than top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

**B J Sartain**  
(Signature)  
**Drilling & Production Supervisor**

**2/1/65** (Title)

(Date)

OIL CONSERVATION COMMISSION

APPROVED **FEB 2 1965** 19

BY **Original Signed Emery C. Arnold**

TITLE **Supervisor Dist. # 3**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.



DISTRIBUTION	
SANITARY	
FILE	
U.S.C.S.	
LAND OFFICE	
TRANSPORTER	OIL 1
	GAS
OPERATOR	2
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-  
Effective 1-1-65

I.

Operator	
ARCO Oil and Gas Company, Division of Atlantic Richfield Company	
Address	
1860 Lincoln St., Suite 501, Denver, Colorado 80295	
Reasons for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Other (Please explain) Effective 4/1/79	
Assumed name for formerly Atlantic Richfield Company.	

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Many Rocks Gallup	20	Many Rocks Gallup	State, Federal or Fee	Fed. 14-20-600-35
Location				
Unit Letter <u>D F</u>	1973	Feet From The North	Line and 1941	Feet From The West
Line of Section 17	Township 31N	Range 16W	NMPM,	San Juan County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Shell Pipeline Company	Box 940, Bloomfield, NM 87413					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	L	7	31N	16W	No	

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spaced	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

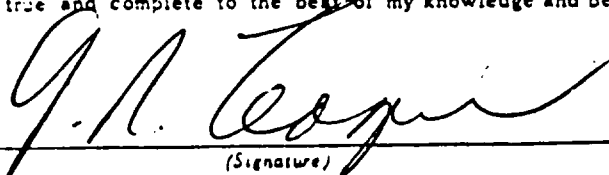
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.



Accounting Supervisor

(Title)

March 9, 1979

(Date)

OIL CONSERVATION COMMISSION

APPROVED MAR 12 1979, 19

BY Original Signed by A. R. Kendrick

TITLE SUPERVISOR DIST. A

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

U.S.G.S.		AND OFFICE		TRANSPORTER		OPERATOR		REGISTRATION OFFICE		DETAILS		AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS							
		OIL		GAS															
ARCO Oil and Gas Company, Division of Atlantic Richfield Company																			
P. O. Box 5540, Denver, Colorado 80217																			
Reason(s) for filing (Check proper box)												Other (Please explain)							
New Well		<input type="checkbox"/>		Change in Transporter of:															
Recompletion		<input type="checkbox"/>		Oil		<input checked="" type="checkbox"/>		Dry Gas		<input type="checkbox"/>									
Change in Ownership		<input type="checkbox"/>		Casinghead Gas		<input type="checkbox"/>		Condensate		<input type="checkbox"/>									
Change of ownership give name and address of previous owner																			
DESCRIPTION OF WELL AND LEASE																			
Well Name				Well No.				Pool Name, including Formation				Kind of Lease				Lease No.			
Many Rocks Gallup				20				Many Rocks Gallup				State, Federal or Free Fed. 14-20				600-3531			
Location																			
Unit Letter		F		1973		Feet From The		North		Line and		1941		Feet From The		West			
Line of Section		17		Township		31N		Range		16W		N.M.P.M.		San Juan		County			
DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS																			
Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>				Address (Give address to which approved copy of this form is to be sent)															
CINIZA Pipe Line Co., Inc.				P. O. Box 1887				Bloomfield, NM 87413											
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>				Address (Give address to which approved copy of this form is to be sent)															
Does well produce oil or liquids, give location of tanks.				Unit		Sec.		Twp.		Rge.		Is gas actually connected?		When					
L				7		31N		16W											
If this production is commingled with that from any other lease or pool, give commingling order number:																			
COMPLETION DATA																			
Designate Type of Completion - (X)				Oil Well		Gas Well		New Well		Workover		Deepen		Plug Back		Some Restr.		Dill. Res.	
Date Spudded				Date Compl. Ready to Prod.				Total Depth				P.B.T.D.							
Locations (DF, RKB, RT, CR, etc.)				Name of Producing Formation				Top Oil/Gas Pay				Tubing Depth							
Perforations												Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD																			
HOLE SIZE				CASING & TUBING SIZE				DEPTH SET				SACKS CEMENT							
TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL																			
(Test must be after recovery of total volume of load oil and must be equal to or exceed top all able for this depth or be for full 24 hours)																			
Date First New Oil Run To Tanks				Date of Test				Producing Method (Flow, pump, gas lift, etc.)											
Length of Test				Tubing Pressure				Casing Pressure				Choke Size							
Actual Prod. During Test				Oil - Bbls.				Water - Bbls.				Gas - MCF							
GAS WELL																			
Actual Prod. Test - MCF/D				Length of Test				Bbls. Condensate/MCF				Gravity of Condensate							
Testing Method (pilot, back pr.)				Tubing Pressure (Start-End)				Casing Pressure (Start-End)				Choke Size							
CERTIFICATE OF COMPLIANCE																			
I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.																			
K. L. Flinn (Signature) Operations Information Assistant																			
March 24, 1982 (Date)																			
OIL CONSERVATION COMMISSION APR 1 1982 APPROVED _____, 19____ BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT #3 This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the deviat tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for all able on new and recompleted wells. Fill out only Sections I, II, III, and VI for changes of own well name or number, or transporter, or other such change of condit Separate Forms C-104 must be filled for each pool in mult recompleted wells.																			

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator BK Petroleum, Inc.	Well API No.
Address P.O. Box 826, Farmington, NM 87499	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/> Changed Crude Oil Transporter from
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> Ciniza P/L to Giant Transportation
If change of operator give name and address of previous operator	

### II. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup Unit	Well No. 20	Pool Name, Including Formation Many Rocks Gallup	Kind of Lease State, Federal or Fee	Lease No. 14-20-600-3531
Location Unit Letter F : 1973 Feet From The North Line and 1941 Feet From The West Line Section 17 Township 31N Range 16W, NMPM, San Juan County				

### III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Giant Transportation	Address (Give address to which approved copy of this form is to be sent) P.O. Box 12999, Scottsdale, AZ 85255
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> Used on Lease	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit   Sec.   Twp.   Rge.   Is gas actually connected?   When ? L   17   31N   16W

If this production is commingled with that from any other lease or pool, give commingling order number:

### IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

### V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

### VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Mildred L. Kuchera  
Signature  
Mildred L. KUCHERA OWNER  
Printed Name  
9/4/90 505-326-3139  
Date Telephone No.

### OIL CONSERVATION DIVISION

Date Approved SEP 05 1990  
By [Signature]  
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
**14-20-600-3531**

6. If Indian, Allottee or Tribe Name  
**Navajo Tribe**

7. If Unit or CA, Agreement Designation

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **BK Petroleum Inc**  
**% NMOC**

3. Address and Telephone No.  
**1000 Rio Brazos Rd. Aztec NM 87410 334-6178**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**17-31N-16W 1890/S-2150/E**

8. Well Name and No.  
**23 Many Rocks**

9. API Well No.  
**3004510735**

10. Field and Pool, or Exploratory Area  
**Many Rocks Gallup**

11. County or Parish, State  
**San Juan, NM**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

*See attached plugging procedure.*

14. I hereby certify that the foregoing is true and correct

Signed **NMOC CONTRACT Plugging** Date **8/11/00**

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date **8/17/00**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

NMOC

**API NUMBER** 30-045-10735  
**OPERATOR NAME** BK PETROLEUM INC  
**PROPERTY NAME** MANY ROCKS GALLUP UNIT  
**SECTION** 17 **TOWNSHIP** 31N **RANGE** 16W  
**FOOTAGE** 1890 FSL- 2150 FEL UL 'J'

Sur Csg OD 12" HOLE	8 5/8	XX		XX
SUR CSG TD	95	XX		XX
SUR CSG WT	24#	XX		XX
TOP OF CMT	0	XX		XX
ACTUAL	CIRC	XX		XX
CACULATED	80SX	XX		XX
PROD CSG OD 6 3/4 HOLE	4 1/2	XX		XX
PROD CSG TD	1811	XX		XX
PROD CSG WT	9.5	XX		XX
TOP OF CMT	996	XX		XX
FORMATION TOP	ACTUAL	XX	XX	
GALLUP 1574'	CACULATED	XX	XX	
MANCOS 275'	PERF TOP	XX	XX	
	PERF BOTTOM	XX	XX	
	PACKER	XX	XX	
	TYPE OF PLUG	XX	XX	
	CIBP & CMT	XX	XX	
	CMT	XX	XX	

### PROPOSED PLUGGING OPERATION

MIRU PU, BOPE, TOOH WITH RODS AND TUBING, pick up work string, CIRC HOLE

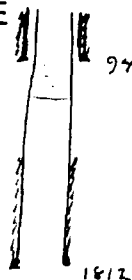
1431 1281  
1600' - 1450' SPOT 14 SX PLUG WOC TAG

PERF @ 325', PUMP 38 SX, 325-225', 24 SX OUTSIDE CSG, 14 SX INSIDE

RIH, PERF @ 145', CIRC CEMENT TO SURFACE, LEAVE CSG FULL, EST 40 SX

cut off well head, install P&A marker, dig and cut anchors,

Close pits according to guidelines: Clean and level location



30-045-10735

(SUBMIT IN TRIPLICATE)

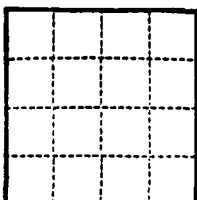
Indian Agency Gallup

Navajo-Ute Mtn Tribal

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allettee

Lease No. 14-20-600-3531



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	RECEIVED JUL 10 1963 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	<input type="checkbox"/>	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<input type="checkbox"/>		

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

JULY 10, 1963

Navajo  
Well No. 17-4 is located 1890 ft. from SW line and 2150 ft. from E line of sec. 17

N. 1/4 Sec. 17 31-W 16-W N.H.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Undesignated San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground above sea level is 5679 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)

We propose to drill this well to test the Gallup (or Lower Niobrara) sands at a depth of approximately 1800'. Also, if structural position of these sands is favorable, we also wish to test the Dakota formation at approximately 2200'. Estimated T.D. in this case will be 2550'.

100' of 8 5/8 21# J-55 casing will be set and cemented to surface. 4 1/2" O.D. 9.5# J-55 casing will be set through either single producing zone and cemented to 500' above the Gallup sands. The production string will be redesigned if a dual completion is necessary. A Sand Oil or Sand Water Fracture will probably be necessary to stimulate production from either zone.

ILLEGIBLE

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

Company THE ATLANTIC REFINING COMPANY

Address Box 2197

Farmington, N. M.

By B. J. Sartin

Title Drilling & Prod. Supervisor

*Okal*

(SUBMIT IN TRIPLICATE)

Indian Agency  Gallup

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Navajo - Ute Mtn Tribes

Allottee \_\_\_\_\_

Lease No.  11-20-600-3531


SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	JUL 26 1963
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 REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING OR REPAIRING _____	
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 _____	<u> Subsequent report of casing </u>	<u> X </u>

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

JULY 24, 1963

Well No.  HAVAJO 17-4  is located  1890  ft. from  [S]  line and  2150  ft. from  [E]  line of sec.  17

17   17   17   
(Range) (Range) (Meridian)  
 Undesignated   San Juan   Navajo   
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is  5689  ft.

DETAILS OF WORK

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

RECEIVED  
JUL 29 1963  
OIL CON. COM.  
DIST. 3

Spudded at 3:00 pm 7-10-63. Drilled 12" hole to 95' below G.L. Ran 3 jts. 8 5/8" O.D. 2 1/2" J-55 casing (93.12') set at 94.12' below G.L. cemented with 80 sac Gresham cement plus 2% CaCl<sub>2</sub>. Plug down 4:45 pm 7-13-63. Cement circulated. Moved out cable tool rig and moved in rotary. Tested 8 5/8" casing w/600 psi O.K. after 2 1/2 hrs.

Drilled 6 3/4" hole to 1810'. Ran 60 jts. 4 1/2" O.D. 9.5# J-55 casing with guide shoe and float collar (1800.18') set at 1811.68'. Cemented with 100 sacks class "O" cement plus 2% gel. Plug down 5:00 am 7-19-63. W.O.C. Made and tested 4 1/2" casing with 1500 psi O.K.

ILLEGIBLE

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

Company  THE ATLANTIC REFINING COMPANY

Address  BOX 2197

FARMINGTON, N.M.

By  B J Sartain

Title  Drilling & Production Supervisor

# ILLEGIBLE

Form 9-581b  
(April 1963)


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R386.4.

Indian Agency NAVAJO  
NAVAJO UTE MTH TRIAL

Allottee \_\_\_\_\_

Lease No. 14-20-600-3531

## 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	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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)

JUL 26 1963

JULY 24

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

Well No. NAVAJO 17-4 is located 1090 ft. from S line and 2150 ft. from E line of sec. 17

SW SE Sec. 17  
(1/4 Sec. and Sec. No.)

30N  
(Twp.)

16W  
(Range)

NTH  
(Meridian)

Undesignated  
(Field)

San Juan  
(County or Subdivision)

New Mexico  
(State or Territory)

The elevation of the derrick floor above sea level is 5689 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)

Perforated 1740-1748 with total 80 jets. Difficulty in breaking down formation. Perforations w/200 gals Mod Acid followed by 18,000# 10/20 sand and 2000# 8/12 glass beads in 22,000 gals. lease crude. FHP 3200 psi. Avg rate 33 BPM at 1600 psi. Job complete at 11:15 on 7-22-63.

Set retrievable bridge plug at 1624.

Perforated 1609-1613 w/16 jets. Treated w/200 gal Mod Acid followed by 15,000# 10/20 sand and 1,500# 8/12 glass beads in 20,380 gal lease crude FHP 2900 psi. Avg rate 24 bpm @ 2800 psi. Job complete at 10:50 on 7-23-63.

Recovered bridge plug.

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

Company THE ATLANTIC REFINING COMPANY

Address BOX 2197

FARMINGTON, N.M.

By B. G. Dartain

Title Drilling & Production Supervisor



NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farrington, New Mexico 3-16-63  
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

THE ATLANTIC REFINING COMPANY, NAVAJO, Well No. 17-4, in NW 1/4 SE 1/4,  
(Company or Operator) (Lease)

J, Sec. 17, T. 31N, R. 16W, NMPM, Marylocks Gallup Pool  
Unit Letter

San Juan County. Date Spudded 7-10-63 Date Drilling Completed 7-19-63  
Please indicate location: Elevation 5679 GL Total Depth 1810' PBD 1779'

D	G	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Top Oil/Gas Pay 1609' Name of Prod. Form. Gallup (Lower Niobata)

PRODUCING INTERVAL -

Perforations 1710-1718 and 1609-1613  
Open Hole None Depth Casing Shoe 1811.68 Depth Tubing 1739

OIL WELL TEST -

Natural Prod. Test: None bbls. oil, bbls water in hrs, min. Size  
Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of  
load oil used): 40 bbls. oil, 0 bbls water in 24 hrs, 0 min. Size Pump

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Tubing, Casing and Cementing Record

Size	Feet	Sax
3-5/8	93.12	80
4-1/2	1800.18	100
2-3/8	1739	

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, sand, and

sand): See remarks  
Casing Tubing Date first new  
Press. 15 psi Press. Pump oil run to tanks 8-15-63

Oil Transporter Wood Corporation

Gas Transporter None

Remarks: 1710-18: Sand oil fracture 250 gal mud acid followed by 15,000# 16/20 sd. and 2000# 8/12 glass beads in 22,000 gal lease crude. 1609-13: S.O.F. 200 gal mud acid followed by 15,000# 20/40 sd. & 1500# 8/12 glass beads in 20,320 gal. lease crude

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved AUG 19 1963, 19.....

THE ATLANTIC REFINING COMPANY  
(Company or Operator)

By: B. J. Dutton  
(Signature)

Title: Drilling & Production Supervisor  
Send Communications regarding well to:

Name: The Atlantic Refining Co.

Address: New DIST - Farrington, N.M.

OIL CONSERVATION COMMISSION

Original Signed By

By: A. R. KENDRICK

Title: PETROLEUM ENGINEER DIST. NO. 3

NUMBER OF COPIES RECEIVED	
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TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

**FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE**

Company or Operator <b>THE ATLANTIC REFINING COMPANY</b>				Lease <b>NAVAJO</b>		Well No. <b>17-4</b>	
Unit Letter <b>J</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>	County <b>San Juan</b>			
Pool <b>Many Rocks Gallup</b>				Kind of Lease (State, Fed, Fee) <b>Navajo - Ute Ntn. Tribal</b>			
If well produces oil or condensate give location of tanks			Unit Letter <b>J</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>	
Authorized transporter of oil <input type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702 Farmington, New Mexico</b>			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/>			Date Connected	Address (give address to which approved copy of this form is to be sent)			

If gas is not being sold, give reasons and also explain its present disposition:

**No market - used for lease fuel**

**REASON(S) FOR FILING (please check proper box)**

New Well ..... ☒ Change in Ownership ..... ☐  
 Change in Transporter (check one) Other (explain below)  
 Oil ..... ☐ Dry Gas .... ☐  
 Casing head gas . ☐ Condensate.. ☐

Remarks



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the **16** day of **August**, 19 **63**

OIL CONSERVATION COMMISSION		By <b>B. J. Sartin</b>
Approved by: Original Signed By <b>A. R. KENDRICK</b>		Title <b>Drilling &amp; Production Supervisor</b>
Title <b>PETROLEUM ENGINEER DIST. NO. 3</b>		Company <b>The Atlantic Refining Company</b>
Date <b>AUG 19 1963</b>		Address <b>Box 2197 - Farmington, N. M.</b>

ATLANTIC

THE ATLANTIC REFINING COMPANY  
INCORPORATED - 1970  
PETROLEUM PRODUCTS  
ATLANTIC BUILDING  
DALLAS, TEXAS

DOMESTIC PRODUCING DEPT.

Box 2197  
Farmington, N.M.  
July 29, 1963

State of New Mexico  
Oil Conservation Commission  
1000 Rio Brazos Road  
Alto, New Mexico

Gentlemen:

A tabulation of the straight hole tests which were run on our Navajo 17-4 well is shown below. This well is located 1890' FSL and 2150' FKL, Section 17, Township 31N, Range 16W San Juan County, New Mexico.

DEPTH	DEVIATION
178'	1/4°
450'	1°
750'	1/2°
1050'	1/2°
1150'	1°
1475'	1°
TD 1840'	

Yours truly,  
THE ATLANTIC REFINING CO.

*B. J. Sartain*

B. J. Sartain  
Drilling & Production Superintendent

BJS:ajo

AFFIDAVIT

STATE OF NEW MEXICO

COUNTY OF *San Juan*

Before me, the undersigned authority on this day personally appeared *B. J. Sartain*, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states herein, and that said report is true and correct.

Subscribed and sworn to before me this 29<sup>th</sup> day of July, 1963

My Commission Expires: *May 28, 1966*



*Margaret L. Wynne*  
Notary Public

NUMBER OF COPIES RECEIVED	
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U.S.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

**FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE**

Company or Operator <b>The Atlantic Refining Company</b>				Lease <b>Many Rocks Gallup Proj.</b>		Well No. <b>23</b>	
Unit Letter <b>J</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>	County <b>San Juan</b>			
Pool <b>Many Rocks Gallup</b>				Kind of Lease (State, Fed, Fee) <b>Navajo Ute Mtn. Tribal</b>			
If well produces oil or condensate give location of tanks		Unit Letter	Section	Township	Range		
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702 Farmington, New Mexico</b>			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/> <b>None</b>		Date Connected	Address (give address to which approved copy of this form is to be sent)				

If gas is not being sold, give reasons and also explain its present disposition:

**No market. Used for lease fuel.**

**REASON(S) FOR FILING (please check proper box)**

New Well ..... ☐  
 Change in Transporter (check one)  
 Oil ..... ☐ Dry Gas .... ☐  
 Casing head gas . ☐ Condensate.. ☐

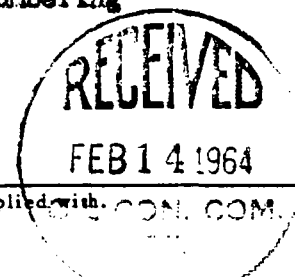
Change in Ownership ..... ☐  
 Other (explain below)

**Change in well name as part of Many Rocks Project which was effective at 7:00 A.M. 1-1-64**

**"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"**

Remarks

**This replaces Form C-110 which was filed 1-29-64. because well numbering system was not acceptable**



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 12 day of February, 1964.

OIL CONSERVATION COMMISSION		By <b>B. J. Sartin</b>
Approved by <b>Original Signed Emery C. Arnold</b>	Title <b>Drilling &amp; Production Supervisor</b>	
Title <b>Supervisor Dist. # 3</b>	Company <b>The Atlantic Refining Company</b>	
Date <b>FEB 14 1964</b>	Address <b>Box 2197, Farmington, New Mexico</b>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1454.  
5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo-Que Mtn. Triba

7. UNIT AGREEMENT NAME

Many Rocks Gallup Pro

8. FARM OR LEASE NAME

Many Rocks Gallup

9. WELL NO.

23

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 17, T-3N, R-16W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 5679', RKB

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Convert to Water Inj.

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The 4 1/2" casing in this well is perforated 1609'-1613' (Upper Gallup) and 1740'-1748' (Lower Gallup). Present production is 3 BWPD and 0 BWPD.

We propose to convert this well to water injection as part of the Many Rocks Gallup Project. A small acid clean up will probably be necessary. A Baker tension type packer will be set at about 1690'. Water will be injected through 2 3/8" O.D. tubing into the Lower Gallup and down the 4 1/2" x 2 3/8" annulus into the Upper Gallup.

ILLEGIBLE

RECEIVED

AUG 20 1971

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

RECEIVED

AUG 23 1971

OIL CON. COM.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

B. J. Hartman

TITLE

Dir. &amp; Prod. Supr.

DATE

8/19/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-B1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo-Use Hm. Trib

7. UNIT AGREEMENT NAME

Many Rocks Gallup Pr

8. FARM OR LEASE NAME

Many Rocks Gallup

9. WELL NO.

23

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 17, T-31N, R-16

12. COUNTY OR PARISH

San Juan

13. STATE

N. M.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. NAME OF OPERATOR <b>Atlantic Richfield Company</b>	3. ADDRESS OF OPERATOR <b>Box 2197, Farmington, New Mexico 87401</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1890' FSL &amp; 2150' FKL (Unit J) Section 17</b>	14. PERMIT NO.	15. ELEVATIONS (Show whether DF, ST, GR, etc.) <b>GR 5679', FKL 5691'</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

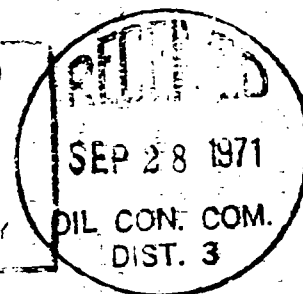
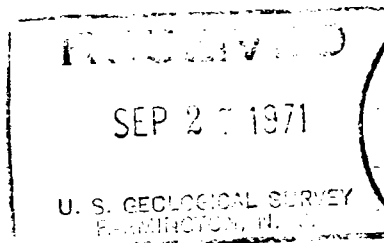
WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 9/8/71 Ran Baker 4 1/2" Model AD packer on 2 3/8" OD tubing and set at 1657'. Treated each zone with 500 gal. 15% Hcl containing 27 1/2 gal. Jet Sol 50. On 9/9/71 Released packer & grabbed both zones. Reset packer.

On 9/17/71 - Connected wellhead and injection lines and started injecting water into Upper Gallup (1609'-1613') down 4 1/2" x 2" annulus; and into Lower Gallup (1740'-1748') down 2 3/8" tubing.

ILLEGIBLE



18. I hereby certify that the foregoing is true and correct

SIGNED

B. J. STANLEY

TITLE

Brig. &amp; Prod. Supv.

DATE

9/24/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Form G-321  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Injection Wells</u>		3. LEASE DESIGNATION AND SERIAL NO. <u>14-20-600-3531</u>	
2. NAME OF OPERATOR <u>Atlantic Richfield</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>Nav. Ute-Mtn.</u>	
3. ADDRESS OF OPERATOR <u>Box 2197, Farmington, N. Mex.</u>		7. UNIT AGREEMENT NAME <u>Many Rocks Gallup Pro.</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u>		8. FARM OR LEASE NAME <u>Many Rocks Gallup</u>	
14. PERMIT NO.		9. WELL NO.	
15. ELEVATIONS (Show whether DF, RT, CA, etc.)		10. FIELD AND POOL, OR WILDCAT <u>Many Rocks Gallup</u>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		12. COUNTY OR PARISH <u>San Juan</u>	13. STATE <u>N. Mex.</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <u>Shut-In Injection Wells</u>	

SUBSEQUENT REPORT OF:

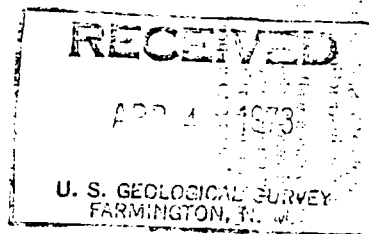
WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

As per USGS approval, dated Jan. 23, 1973, of supplemental plan of development -- We have discontinued water injection as of March 29, 1973 on the following wells: #16, 18, 19, 21, 22, 23, & 26.

Also include Water Supply well #1-W as being shut-in March 29, 1973



18. I hereby certify that the foregoing is true and correct

SIGNED R. R. Markes TITLE Acting Dir. Pro. Supv. DATE 4/2/73

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 43-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Injection		5. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Ute Mountain
3. ADDRESS OF OPERATOR 1860 Lincoln Street, Suite 501, Denver, Colorado		7. UNIT AGREEMENT NAME Many Rocks Gallup Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit J, 1890' f/South & 2150' f/East 11nes Sec. 17		8. FARM OR LEASE NAME Many Rocks Gallup
14. PERMIT NO.		9. WELL NO. 23
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5679'		10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 17-31N-16W
		12. COUNTY OR PARISH San Juan
		13. STATE New Mexico

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Shut In

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Unit production declined to 27 BOPD which is below the economic limit. Injection stopped to reduce expenses and evaluate unit performance without injection.

This well was shut in 3-29-73. U.S.G.S. approved Supplemental Plan of Development 1-23-73.

This well is in a Unit. Waterflood operations have been temporarily suspended. Future plans are to conduct waterflood and tertiary recovery studies. These studies may result in a revised waterflood plan or in a tertiary recovery program that may require the use of this well in order to recover the maximum amount of oil from this reservoir.

Two copies sent to New Mexico Oil Conservation Commission

18. I hereby certify that the foregoing is true and correct

SIGNED

W. A. Walther, Jr.  
W. A. Walther, Jr.TITLE Dist. Prod. & Drlg. Supt.DATE 10/18/74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Injection		5. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531	
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Ute Mountain	
3. ADDRESS OF OPERATOR 1860 Lincoln Street, Suite 501, Denver, Colorado 80203		7. UNIT AGREEMENT NAME Many Rocks Gallup Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  Unit J, 1890' f/South & 2150' f/East lines Section 17		8. FARM OR LEASE NAME Many Rocks Gallup	
14. PERMIT NO.		9. WELL NO. 23	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5679'		10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 17-31N-16W	
		12. COUNTY OR PARISH San Juan	
		13. STATE New Mexico	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Shut In - Extension Request ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

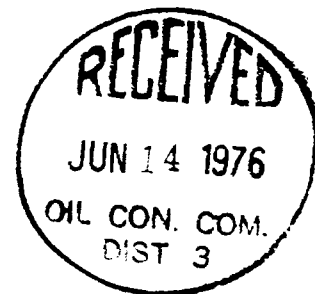
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Unit production declined to 27 BOPD which is below the economic limit. Injection stopped to reduce expenses and evaluate unit performance without injection.

This well was shut in 3-29-73. U.S.G.S. approved Supplemental Plan of Development 1-23-73.

This well is in a Unit. Waterflood operations have been temporarily suspended. Future plans are to conduct waterflood and tertiary recovery studies. These studies may result in a revised waterflood plan or in a tertiary recovery program that may require the use of this well in order to recover the maximum amount of oil from this reservoir.

TEMPORARY ABANDONMENT  
EXPIRES

JUN 1 1977

Two copies sent to New Mexico Conservation Commission

18. I hereby certify that the foregoing is true and correct

SIGNED

W. A. Walther, Jr.

TITLE Operations Manager

DATE 6/4/76

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF TOWNSHIP	
DISTRICT	
SANTA FE	
FILE	
U.S.D.A.	
LAND OFFICE	
TRANSPORTER	
OIL	
GAS	
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 08-01-83  
Page 1

RECEIVED  
JUL 03 1984  
OIL CON DIV  
DIST 3

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator

BK Petroleum, Inc.

501 Airport Dr.-Suite 165, Farmington, N.M. 87401

Reason(s) for filing (Check proper box)

☐ New Well  
☐ Recombination  
☒ Change in Ownership  
Change in Transporter of:  
☐ Oil  
☐ Gas  
☐ Casinghead Gas  
☐ Dry Gas  
☐ Condensate

Other (Please explain)

change of ownership give name of previous owner Arco Oil & Gas Co., P.O. Box 5540, Denver, Co. 80217

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Many Rocks Gallup Unit	23	Many Rocks Gallup	Fed. 14-20-600- State, Federal or Fee 3531	

Unit Letter J : 1890 Feet From The South Line and 2150 Feet From The East  
Line of Section 17 Township 31N Range 16W, NMPM, San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
water injection well-shut in	501 Airport Dr.-Suite 165, Farmington, N.M. 87401
name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)

well produces oil or liquids, e location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When

Is production commingled with that from any other lease or pool, give commingling order number

TE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

by certify that the rules and regulations of the Oil Conservation Division have  
complied with and that the information given is true and complete to the best of  
knowledge and belief.

*[Signature]*  
(Signature)

resident

(Title)

me 1, 1984

(Date)

OIL CONSERVATION DIVISION

APPROVED

BY

TITLE

SUPERVISOR DISTRICT 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

14-20-600-3531

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to complete or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Many Rocks Gallup Protec	
2. NAME OF OPERATOR BK Petroleum, Inc.		8. NAME OR LEASE NAME Many Rocks Gallup Unit	
3. ADDRESS OF OPERATOR 501 Airport Dr., Suite 165, Farmington, NM 87401		9. WELL NO. 23	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1890' FSL, 2150' FEL, Sec. 17, T31N, R16W		10. PLUG AND PERM, OR WELDCAP Many Rocks Gallup	
11. STATE, T., R., E., OR S.E. AND SECTION OR AREA Sec. 17, T31N, R16W		12. COUNTY OR PARISH San Juan	
13. POINT NO. GL 5679		14. STATE NM	

RECEIVED

SEP 25 1984

BUREAU OF LAND MANAGEMENT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Change of Operator

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANE

RECOMPLETION REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALIGNING CASING

ABANDONMENT\*

(Note: Report results of multiple completion on Well Completion or Recombination Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all machines and casing points to this work.)

Effective June 1, 1984 BK Petroleum, Inc. became Unit Operator.

RECEIVED

SEP 28 1984

OIL COM. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Mildred L. KucheraTITLE Petroleum EngineerDATE 9-21-84

(This space for Signature of Operator)

ACCEPTED FOR RECORD

APPROVED BY  
COMMISSIONER OF LAND, MINES, & WATER

TITLE

SEP 27 1984

FARMINGTON RESOURCE AREA

BY 823

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any Department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCC

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 08-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

SEP 12 1985

OIL CON. DIV.  
DIST. 3

BK Petroleum, Inc.

P. O. Box 826, Farmington, NM 87499

Reason(s) for filing (Check proper box)

New Well

Recompletion

Change in Ownership

Change in Transporter oil:

☐ Oil

☐ Casinghead Gas

☐ Dry Gas

☐ Condensate

Other (Please explain)

Converted well to production

Change of ownership give name  
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Many Rocks Gallup Project	23	Many Rocks Gallup	State, Federal or Fee Federal	14-20-600-3531

Unit Letter J : 1890 Feet From The South Line and 2150 Feet From The East

Line of Section 17 Township 31N Range 16W , NMPM, San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Diniza Pipeline	P. O. Box 1887, Bloomfield, NM 87413
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)

Well produces oil or liquids, location of tanks.	Unit	Sec.	Twp.	Range	Is gas actually connected?	When
	L	17	31N	16W		

Is production commingled with that from any other lease or pool, give commingling order number

RE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Mildred L. Kuchera  
(Signature)

Treasurer  
(Title)

September 10, 1985  
(Date)

OIL CONSERVATION DIVISION

APPROVED

BY

TITLE

SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate  
(Other instruction  
verse side)

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVED		5. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531	
2. NAME OF OPERATOR K Petroleum, Inc.		JUN 28 1985		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo - Ute Mountain	
3. ADDRESS OF OPERATOR P. O. Box 826, Farmington, NM 87499		BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA		7. UNIT AGREEMENT NAME Many Rocks Gallup Project	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1890' FSL, 2150' FEL, Section 17, T31N, R16W				8. FARM OR LEASE NAME Many Rocks Gallup	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5679 GLE		9. WELL NO. 23	
				10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup	
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 17-T31N-R16W-NMPM	
				12. COUNTY OR PARISH San Juan	
				13. STATE NM	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Return well to production

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Water injection was discontinued at the subject well on 3/29/73.  
It is planned to convert this well to production by:

- (1) Acidizing with 1000 gallons acid.
- (2) Running rods and pump.
- (3) Hang well on pump.

RECEIVED

SEP 12 1985

OIL CON. DIV.  
DIST. 3

APPROVED

18. I hereby certify that the foregoing is true and correct

SIGNED Mildred L. Kuchera TITLE Engineer

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

DATE June 26, 1985

John S. Keller

DATE June 26, 1985  
AREA MANAGER  
FARMINGTON RESOURCE AREA

\*See Instructions on Reverse Side

NMOCC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

EXPIRES AUGUST 31, 1985

3. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo-Ute Mountain

7. UNIT AGREEMENT NAME

Many Rocks Gallup

8. FARM OR LEASE NAME

Many Rocks Gallup Project

9. WELL NO.

23

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., M., OR BLM. AND  
SURVEY OR AREA

17-T31N-R16W-NMPM

12. COUNTY OR PARISH 13. STATE

San Juan NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

OCT 10 1985

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

BK Petroleum, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 826, Farmington, NM 87499

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1890' FSL, 2150' FEL, Sec. 17, T31N, R16W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5679 GLE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Return to pump

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject shut-in well was returned to pump 9/7/85 as follows:

- a) cleaned out hole to PBD
- b) acidized Gallup zone with 1000 gallons acid
- c) hung well on.

NOTED 10/3  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

Mildred L. Kuchera

TITLE Engineer

ACCEPTED FOR RECORD  
DATE October 7, 1985

(This space for Federal or State office use)

OCT 22 1985

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCC

OPERATOR

DATE

FARMINGTON RESOURCE AREA

BY

smm

\*See Instructions on Reverse Side

[illegible]

RECEIVED  
FORMATION REC'D  
AUG 21 1983  
OIL CON. COM.  
DIST. 3DEPA

U. S. LAND OFFICE Gallup  
SERIAL NUMBER Nav. Ute Mtn Trill  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_  
11-20-600-3521

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED

1963

# LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 297, Farmington, N. M.  
 Lessor or Tract Navajo Field Undesignated State New Mexico  
 Well No. 17-4 Sec. 17 T. 31N R. 16W Meridian NMPM County San Juan  
 Location 1890 ft. N. of 8 Line and 2150 ft. W. of E Line of Sec 17 Elevation 5689  
(Check for water)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date August 19, 1963

Signed W. L. Sartin  
Title Drilling & Prod. Supv.

The summary on this page is for the condition of the well at above date.

Commenced drilling 7-10-63 19..... Finished drilling 7-19-63 19.....

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1742 to 1742 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 1609 to 1613 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	8	Ward	100	100	100	100	100	100
4-1/2	6	6	Ward	100	100	100	100	100	100

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	94.22 GL	80	pump & plug		cement circulated
1-1/2	1811.68	100	"	8.8# /gal	30 bbls

## PLUGS AND ADAPTERS

ILLEGIBLE

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1740-1748	W/15000	sd & 2000#	8/12	glass beads	in 22000 gal	lease crude
1609-1613	W/15000	sd & 1500	8/12	glass beads	in 20300 gal	lease crude
SAND-OIL-FRACTURE also 250 gal mud acid ahead of each of above						

TOOLS USED

Rotary tools were used from 95' GL feet to 1840 TD feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

It is of the nature of this report to have a complete history of the well, including the reasons for the work and the results. If there are any changes in the well, they should be noted.

The production for the first 24 hours was 40 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

Signalfield Service \_\_\_\_\_, Driller

\_\_\_\_\_, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
surface	274	274	Manaverts group
275	1574	1300	Mancos shale
1574	1750	176	Niobrara formation - Gallup
1608	1621	13	Upper Niobrara sandstone
1739	1750	11	Basal Niobrara sandstone
1750	1768	18	Juana Lopez member - Anacostea
1768	TD	72	Carlisle
	1840		

ILLEGIBLE

FROM	TO	TOTAL FEET	FORMATION
------	----	------------	-----------

FORMATION RECORD - CONTINUED



NO. OF COPIES RECEIVED		5
DISTRIBUTION		
SANTA FE		/
FILE		/
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	/
	GAS	
OPERATOR		1
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

BT

I.

Operator	THE ATLANTIC REFINING COMPANY		
Address	BOX 2197 FARMINGTON, NEW MEXICO		
Reason(s) for filing (Check proper box)			
New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>
If change of ownership give name and address of previous owner			

TRANSPORTER CHANGED FROM SHELL OIL COMPANY TO SHELL PIPE LINE CORPORATION EFFECTIVE 12/31/69

Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Many Rocks Gallup Project	Well No.	23	Pool Name, including Formation	Many Rocks Gallup	Kind of Lease	Tribal	
Location								
Unit Letter	J	1890	Feet From The	South	Line and	2150	Feet From The	East
Line of Section	17	Township	31N	Range	16W	NMPM,	San Juan	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	<input checked="" type="checkbox"/>	or Condensate	<input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	Box 1588, Farmington, New Mexico	
Name of Authorized Transporter of Casinghead Gas	<input type="checkbox"/>	or Dry Gas	<input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)		
If well produces oil or liquids, give location of tanks.	Unit	Sec	Town	Range	Is gas actually connected?	When
	L	17	31N	16W	No	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Pool	Name of Producing Formation	Oil/Gas Pay	Tubing Depth					
Perforations						Depth Casing Shoe		

Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

B J Sartain  
(Signature)  
Drilling & Production Supervisor

2/1/65 (Date)

OIL CONSERVATION COMMISSION

APPROVED FEB 2 1965

BY Original Signed Emery C. Arnold

TITLE Supervisor Dist # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

DISTRIBUTION		
SANTA FE		
FILE		
U.C.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		3
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

Operator

ARCO Oil and Gas Company, Division of Atlantic Richfield Company

Address

1860 Lincoln St., Suite 501, Denver, Colorado 80295

Reason(s) for filing (Check proper box)

New Well ☐

Recompletion ☐

Change in Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain) Effective 4/1/79

Assumed name for formerly  
Atlantic Richfield Company.

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Many Rocks Gallup	23	Many Rocks Gallup	State, Federal or Fee	Fed. 14-20-600-353
Location				
Unit Letter	J	1890 Feet From The	South	Line and 2150 Feet From The East
Line of Section	17	Township	31N	Range 16W, NMPM, San Juan County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Water Injection Well - Shut In						
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res't.	Diff. Res't.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.



Accounting Supervisor

(Title)

March 9, 1979

(Date)

OIL CONSERVATION COMMISSION

APPROVED MAR 12 1979, 19

BY Original Signed by A. R. Kendrick

TITLE SUPERVISOR DIST. #3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator BK Petroleum, Inc.		Well API No.
Address P.O. Box 826, Farmington, NM 87499		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/>	Changed Crude Oil Transporter from
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	Ciniza P/L to Giant Transportation
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup Unit	Well No. 23	Pool Name, including Formation Many Rocks Gallup	Kind of Lease State, Federal or Fee	Lease No. 14-20-600-3531
Location Unit Letter <u>J</u> : <u>1890</u> Feet From The <u>South</u> Line and <u>2150</u> Feet From The <u>East</u> Line Section <u>17</u> Township <u>31N</u> Range <u>16W</u> , NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Giant Transportation	Address (Give address to which approved copy of this form is to be sent) P.O. Box 12999, Scottsdale, AZ 85255	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> Gas Used on Lease	Address (Give address to which approved copy of this form is to be sent)	
If well produces oil or liquids, give location of tanks.	Unit L	Sec. 17
	Tw. 31N	Rge. 16W
Is gas actually connected?		When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Mildred L. Kuchera  
Signature  
MILDRED L. KUCHERA OWNER  
Printed Name Title  
9/4/90 505-326-3139  
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved SEP 05 1990  
By [Signature]  
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
14-20-600-3531

6. If Indian, Allottee or Tribe Name  
Navajo Tribe

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator BK Petroleum Inc  
% NMOC

8. Well Name and No.  
26 Many Rocks

3. Address and Telephone No.  
1000 Rio Brazos Rd. Aztec NM 87410 334-6178

9. API Well No.  
3004510727

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
17-31N-16W 660/5-660/E

10. Field and Pool, or Exploratory Area  
Many Rocks Gallup

11. County or Parish, State  
San Juan, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached plugging procedure.

14. I hereby certify that the foregoing is true and correct

Signed NMOC CONTRACT PLUGGING

Date 8/11/00

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date 8/17/00

API NUMBER 10-045-10727 20 AUG 11 5:11 PM  
 OPERATOR NAME BK PETROLEUM INC WELL NUMBER 26  
 PROPERTY NAME MANY ROCKS GALLUP UNIT CHANGED TO 17E REPORTED AS 26

SECTION 17 TOWNSHIP 31N RANGE 16W

FOOTAGE 660 FSL- 660 FEL UL 'P'

Sur Csg OD 12 1/4" Hole	8 5/8	XX		XX
SUR CSG TD	106	XX		XX
SUR CSG WT	24#	XX		XX
TOP OF CMT	0	XX		XX
ACTUAL	CIRC	XX		XX
CACULATED	85SX	XX		XX
PROD CSG OD 7-7/8" hole	4 1/2	XX		XX
PROD CSG TD	1835	XX		XX
PROD CSG WT	9.5	XX		XX
TOP OF CMT	1341	XX		XX
ACTUAL				
CACULATED	100SX			
PERF TOP	1632			
PERF BOTTOM	1772	XX	XX	
PACKER		XX	XX	
TYPE OF PLUG		XX	XX	
CIBP & CMT		XX	XX	
CMT		XX	XX	

#### PROPOSED PLUGGING OPERATION

MIRU PU, BOPE, TOOH WITH TUBING, RIH with work string, circ hole clean  
 Spot 14 SX plug @ 1458 - 1308, WOC TAG, POOH  
 PERF @ 353' PUMP 38 SX, 353-253', 24 SX OUTSIDE CSG AND 14 INSIDE CSG  
 RIH, PERF @ 156', CIRC CEMENT TO SURFACE, LEAVE CSG FULL, EST 55 SX  
 cut off well head, install P&A marker, dig and cut anchors,

Close pits according to guidelines: Clean and level location



Form 9-581b  
(April 1962)


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R388.1.

Indian Agency Gallup

Navajo - Ute Tribal

Allottee \_\_\_\_\_

Lease No. 11-20-600-3531

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	RECEIVED JUL 23 1963 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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)

July 22, 1963

Well No. 17-5 is located 660 ft. from S line and 660 ft. from E line of sec. 17

SS SE Sec. 17 31N 16E N37W  
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Many Rocks San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground ~~surface~~ above sea level is 5686 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)

We propose to drill a well at the above location to test the Gallup ( or Lower Niobrara) sands to a total depth of approximately 1800'.

Approximately 100' of 8 5/8" O.D. 21# J-55 casing will be set and cemented to surface. 4 1/2" O.D. 9.5# J-55 casing will be set through the producing zones and cemented to about 800'. A Sand - Oil - Fracture will probably be necessary to stimulate production.

ILLEGIBLE

RECEIVED  
JUL 24 1963  
OIL CON. COM.  
DIST. 5

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

Company The Atlantic Refining Co.

Address Box 2197

Farmington, N.M.

By B. J. Savtain

Title Drilling & Production Super-1800

## NEW MEXICO OIL CONSERVATION COMMISSION

## Well Location and Acreage Dedication Plat

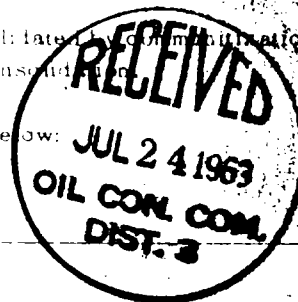
Section A.

Date **July 22, 1963**

Operator **THE ATLANTIC REFINING COMPANY** Lease **Navajo**  
 Well No. **17-5** Unit Letter **P** Section **17** Township **31 NORTH** Range **16 WEST** NMPM  
 Located **660** Feet From **the SOUTH** Line, **660** Feet From **the EAST** Line  
 County **SAN JUAN** G. L. Elevation **5686.'** Dedicated Acreage **40.00** Acres  
 Name of Producing Formation **Gallup** Pool **Many Rocks Gallup**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by common ownership, 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 |
|-----------|------------------|
| ILLEGIBLE |                  |



Section B.

Note. All distances must be from outer boundaries of section.

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

**The Atlantic Refining Co.**

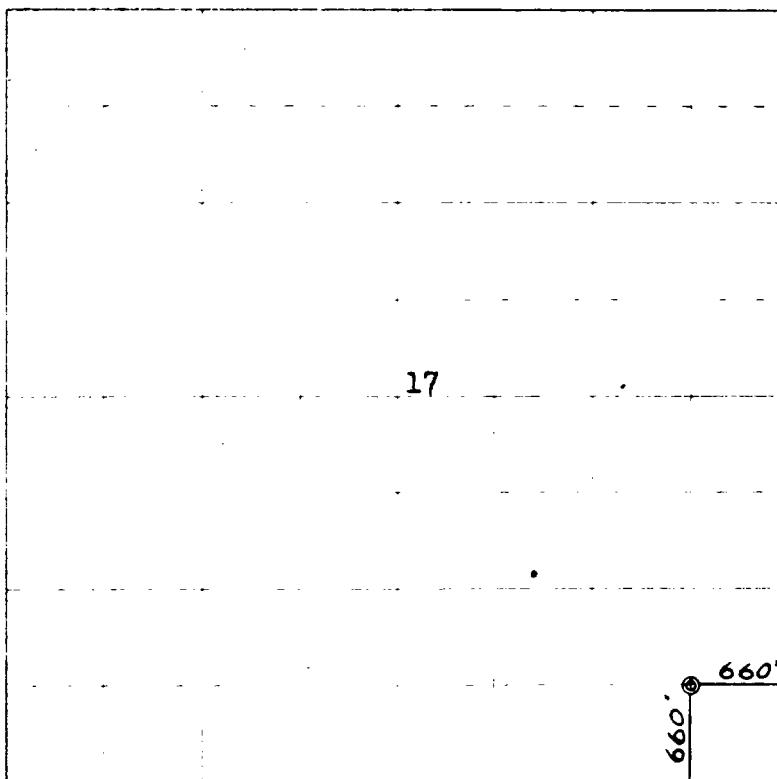
(Operator)

*B. G. Sartain*

(Representative)

**P. O. Box 2197**

(Address)

**Farmington, New Mexico**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

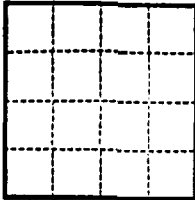
Scale 1 inch equals 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed **20 July 1963**

*James P. Leese*  
 Registered Professional Engineer and/or Land Surveyor  
**James P. Leese, N. Mex. Reg. No. 1467**

Farmington, New Mexico



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-B400.4.

Indian Agency Navajo-Ste Trial

Allettee 14-00-400-302

Lease No. 14-00-400-302

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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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	

RECEIVED  
AUG 16 1963  
U. S. GEOLOGICAL SURVEY  
WASHINGTON, NEW MEXICO

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

August 15, 1963

Well No. 17-5 is located 640 ft. from NS line and 640 ft. from EW line of sec. 17  
SE 28 Sec. 17 32N 16W 100N  
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Navajo Nation San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

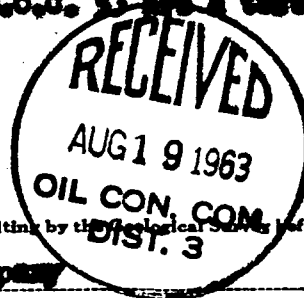
The elevation of the derrick floor above sea level is 5495 ft.

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)

Spudded well at 12:15 P.M. 7-25-63. Drilled 12 1/2" hole to 106' w/casing. Ran 3 1/2" 8-5/8" CD 2-5/8" casing (51.38') set at 105.18'. Cemented w/100 stu. cement cement plus 25 gal. Plug down 8:00 P.M. 7-25-63. Cement circulated. W.O.C. 18 hrs. and tested 8-5/8" casing w/100 psi O.K.  
Drilled 4-7/8" hole to 1255'. Ran 59 1/2" 4-7/8" CD 9-5/8" casing w/guide shoe and float collar (1255.10') set at 1254.01'. Cemented w/100 stu. Cement plus 25 gal. Plug down 10:00 A.M. 7-27-63. W.O.C. 21 hrs. & tested 4-7/8" casing w/100 psi O.K.

ILLEGIBLE



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

Company The Atlantic Refining Company

Address Box 217

Farmington, N. M.

By B. J. Sartin

Title DRILLING & PRODUCTION SUPERVISOR




# ILLEGIBLE

(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-2346.1

Indian Agency  
Navajo Tribal

Allettee  
11-20-600-111

Lease No.

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	X
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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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)

August 15, 1963

Navajo  
17-5  
Well No. \_\_\_\_\_ is located 660 ft. from N line and 660 ft. from E line of sec. 17  
S 3 SE Sec. 17

Field No. and Sec. No. (Twp.) San Juan (Range) 16N (Meridian) 11W  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5695 ft.

### DETAILS OF WORK

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

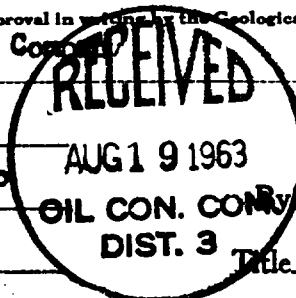
Perforated 1761-1772 w/h jets/ft. Treated perms. w/150 gal mud acid followed by 16,000# 10/20 sd. & 2,000# 8/12 sand in 22,500 gal lease crude FMDP - 1800/1400. Avg. rate 29 BPM @ 1700 psi. J.C. 10:30 A.M. 8-1-63.

Set retrievable bridge plug at 1650'.

Perforated 1632-1638 w/h jets/ft. Treated perms. w/150 gal mud acid followed by 15,000# 10/20 sd. and 1,500# 8/12 sd. in 19,000 gal lease crude. FMDP 1500/1300. Avg. rate 29 BPM @ 1750 psi. Job complete 4:15 P.M. 8-1-63.

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

Company The Atlantic Refining Company  
Box 2197  
Address Farmington, New Mexico



B. J. Sartain  
DRILLING & PRODUCTION SUPERVISOR



THE ATLANTIC REFINING COMPANY  
INCORPORATED 1970  
PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT  
ROCKY MOUNTAIN REGION

R. T. COX, MANAGER  
T. S. PAGE, LAND MANAGER  
A. D. KLOXIN, OPERATIONS MANAGER

WYOMING NAT. BANK BLDG.

Box 2197  
Cheyenne, Wyo. 82001  
July 29, 1963

State of New Mexico  
Oil Conservation Commission  
1000 Rio Brazos Road  
Albuquerque, New Mexico

Gentlemen:

A tabulation of the straight hole tests which were run on our Navajo 17-5 well is shown below. This well is located 660' PBL and 660' PBL, Section 17, Township 11N, Range 16W San Juan County, New Mexico.

Depth	Deviation
180'	1/2°
530'	1/4°
1085'	1/4°
1675'	1/2°

TD 1855'

ILLEGIBLE

Yours truly,  
THE ATLANTIC REFINING CO.

*B. J. Sartain*  
B. J. Sartain  
Drilling & Production Supervisor

BJS:aje

AFFIDAVIT

STATE OF NEW MEXICO

COUNTY OF San Juan

Before me, the undersigned authority on this day personally appeared B. J. Sartain, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states herein, and that said report is true and correct.

Subscribed and sworn to before me this 29th day of July, 1963

My Commission Expires:

May 28, 1966

Margaret L. Whymann



# ILLEGIBLE

## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

### REQUEST FOR (OIL) - (GAS) ALLOWABLE

B.T.

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico  
(Place)

8-14-63  
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

The Atlantic Refining Co.

Navajo

Well No. 17-5, in SE  $\frac{1}{4}$  SE  $\frac{1}{4}$ ,

(Company or Operator)

(Lease)

P

Sec. 17

T. 11N

R. 16W

NMPM, Mary Rocks Gallup

Pool

Unit Letter

San Juan

County. Date Spudded 7-25-63

Date Drilling Completed 7-29-63

Elevation 5666 G.L.

Total Depth 1855 PBD 1801

Top Oil/Gas Pay 1632

Name of Prod. Form. Gallup

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

PRODUCING INTERVAL -

Perforations 1632-1638 and 1764-1772

Open Hole None

Depth Casing Shoe 1835

Depth Tubing 1774

OIL WELL TEST -

Natural Prod. Test: none bbls. oil,        bbls water in        hrs,        min. Size       

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 120 bbls. oil, 0 bbls water in 24 hrs, 0 min. Size Pump

GAS WELL TEST -

Natural Prod. Test:        MCF/Day; Hours flowed        Choke Size       

Method of Testing (pitot, back pressure, etc.):       

Test After Acid or Fracture Treatment:        MCF/Day; Hours flowed       

Choke Size        Method of Testing:       

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): see remarks

Casing Tubing Date first new Press.        Press.        oil run to tanks August 12, 1963

Oil Transporter McWood Corporation

Gas Transporter none

Remarks: 1764-1772: 150 gal mud acid, 16000# 10/20 sd. and 2000# 8/12 sd. in 22,500 gal lease crude. 1632-1638: 150 gal mud acid, 15000# 10/20 sd. and 1500# 8/12 sd. in 19,000 gal. lease crude.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved. AUG 19 1963

, 19

**THE ATLANTIC REFINING COMPANY**

(Company or Operator)

By:

B. J. S. Atkin

(Signature)

Title

DRILLING & PRODUCTION SUPERVISOR

Send Communications regarding well to:

Name

THE ATLANTIC REFINING COMPANY

Address

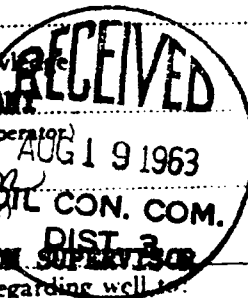
PO Box 2197, Farmington, New Mexico

OIL CONSERVATION COMMISSION

Original Signed By

By: A. R. KENDRICK

Title PETROLEUM ENGINEER DIST. NO. 3



NUMBER OF COPIES RECEIVED	
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U.S.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

**FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE**

Company or Operator <b>THE ATLANTIC REFINING COMPANY</b>				Lease <b>NAVAJO</b>		Well No. <b>17-5</b>	
Unit Letter <b>P</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>		County <b>San Juan</b>		
Pool <b>Many Rocks Gallup</b>					Kind of Lease (State, Fed, Fee) <b>Navajo-Ute Mtn. Tribal</b>		
If well produces oil or condensate give location of tanks			Unit Letter <b>P</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702 Farmington, New Mexico</b>			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/>			Date Connected	Address (give address to which approved copy of this form is to be sent)			

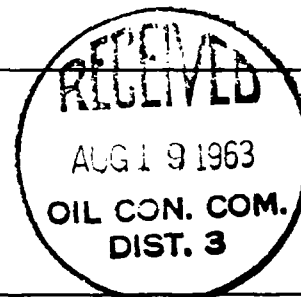
If gas is not being sold, give reasons and also explain its present disposition:

**No market - used for lease fuel**

**REASON(S) FOR FILING (please check proper box)**

New Well ..... ☒ Change in Ownership ..... ☐  
 Change in Transporter (check one) Other (explain below)  
 Oil ..... ☐ Dry Gas ..... ☐  
 Casing head gas ..... ☐ Condensate ..... ☐

Remarks



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 14 day of August, 19 63.

OIL CONSERVATION COMMISSION		By <b>B. G. Sartin</b>
Approved by Original Signed By <b>A. R. KENDRICK</b>		Title <b>Drilling &amp; Production Supervisor</b>
Title <b>PETROLEUM ENGINEER DIST. NO. 3</b>		Company <b>THE ATLANTIC REFINING COMPANY</b>
Date <b>AUG 19 1963</b>		Address <b>PO BOX 2197, Farmington, New Mexico</b>

NUMBER OF COPIES RECEIVED	
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TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

**FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE**

Company or Operator <b>The Atlantic Refining Company</b>				Lease <b>Many Rocks Gallup Proj.</b>		Well No. <b>26</b>
Unit Letter <b>P</b>	Section <b>17</b>	Township <b>31N</b>	Range <b>16W</b>	County <b>San Juan</b>		
Pool <b>Many Rocks Gallup</b>				Kind of Lease/State Fed. <b>Navajo Nat. Tribal</b>		
If well produces oil or condensate give location of tanks		Unit Letter	Section	Township	Range	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702 Farmington, New Mexico</b>		
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/> <b>None</b>		Date Connected	Address (give address to which approved copy of this form is to be sent)			

If gas is not being sold, give reasons and also explain its present disposition:

**No market. Used for lease fuel.**

**REASON(S) FOR FILING (please check proper box)**

New Well ☐  
 Change in Transporter (check one)  
 Oil ☐ Dry Gas ☐  
 Casing head gas ☐ Condensate ☐

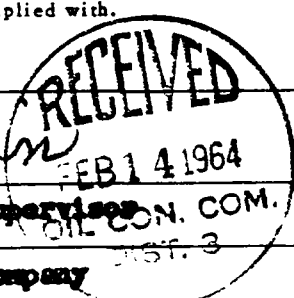
Change in Ownership ☐  
 Other (explain below)

**Change in well name as part of Many Rocks Project which was effective at 7:00 A.M. 1-1-64**

Remarks **This replaces Form C-110 which was filed 1-29-64, because well numbering system was not acceptable**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the **12** day of **February**, 19**64**.

OIL CONSERVATION COMMISSION		By <b>B. J. Santain</b>
Approved by <b>Original Signed Emery C. Arnold</b>	Title <b>Drilling &amp; Production Supervisor</b>	
Title <b>Supervisor Dist. # 3</b>	Company <b>The Atlantic Refining Company</b>	
Date <b>FEB 14 1964</b>	Address <b>Box 2197, Farmington, New Mexico</b>	

NUMBER OF COPIES RECEIVED	
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U.S.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**SANTA FE, NEW MEXICO**  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION**  
**TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator <b>The Atlantic Refining Co.</b>				Lease <b>Many Rocks Gallup Project</b>		Well No. <b>17-E</b>	
Unit Letter <b>P</b>	Section <b>17</b>	Township <b>31-N</b>	Range <b>16-W</b>	County <b>San Juan</b>			
Pool <b>Many Rocks Gallup</b>				Kind of Lease (See Form C-110) <b>Navajo Ute Mtn. Tribal</b>			
If well produces oil or condensate give location of tanks			Unit Letter	Section	Township	Range	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> <b>McWood Corporation</b>				Address (give address to which approved copy of this form is to be sent) <b>Box 1702, Farmington, New Mexico</b>			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input type="checkbox"/> <b>No Market</b>			Date Connected	Address (give address to which approved copy of this form is to be sent)			

If gas is not being sold, give reasons and also explain its present disposition:

**No Market. Used for lease fuel**

**REASON(S) FOR FILING (please check proper box)**

New Well ☐  
 Change in Transporter (check one)  
 Oil ☐ Dry Gas ☐  
 Casing head gas ☐ Condensate ☐

Change in Ownership ☐

Other (explain below)

**Change in well name as part of Many Rocks Gallup Project which was effective at 7:00 A.M. 1-1-64**

Remarks

**Agreement actually signed 1-17-64, made retroactive to 1-1-64**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the **23** day of **January**, 19 **64**

OIL CONSERVATION COMMISSION

Approved by

**Original Signed Emery C. Arnold**

Title

**Supervisor Dist. # 3**

Date

**JAN 29 1964**

By

**B. G. Sustain**

Title

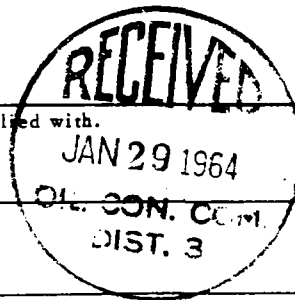
**Drilling & Production Supervisor**

Company

**The Atlantic Refining Company**

Address

**Box 2197, Farmington, New Mexico**



UNITED STATES\*  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-600-1552</b>	
2. NAME OF OPERATOR <b>The Atlantic Refining Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo-Ute Res.</b>	
3. ADDRESS OF OPERATOR <b>Box 2197, Farmington, New Mexico</b>		7. UNIT AGREEMENT NAME <b>Many Rocks Gelling</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>660' FSL &amp; 660' FSL (Unit P) Section 17</b>		8. FARM OR LEASE NAME <b>Many Rocks Project</b>	
14. PERMIT NO.		9. WELL NO. <b>26</b>	
15. ELEVATIONS (Show whether DF, ST, GR, etc.) <b>GR. 5600', MK. 5696'</b>		10. FIELD AND POOL, OR WILDCAT <b>Many Rocks Gelling</b>	
		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA <b>Sec. 17, T31N, R10W</b>	
		12. COUNTY OR PARISH <b>San Juan</b>	
		13. STATE <b>N. M.</b>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <b>Convert to Water Inj.</b>	<input checked="" type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

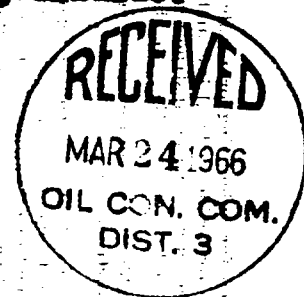
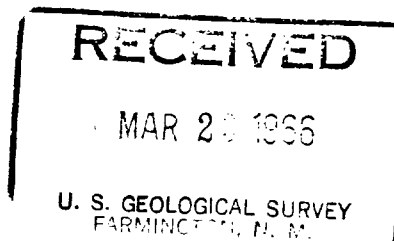
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and other pertinent to this work.)\*

This well is producing from perforated intervals 1764-1772 (Lower Gelling) and 1832'-1836' (Upper Gelling). We propose to convert this well to water injection as proposed in our application dated March 1, 1966.

We propose to "clean up" each zone using detergent and about 1000 gal. acid in each zone. The zones will be separated by a tension type packer; and water will be injected into the lower zone through 2" tubing and into the upper zone through the casing tubing annulus.

ILLEGIBLE

"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"



18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Sartain TITLE Dir. & Pres. Supv. DATE 3/22/66

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1454.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-600-3582</b>
2. NAME OF OPERATOR <b>The Atlantic Refining Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>None</b>
3. ADDRESS OF OPERATOR <b>Box 2197, Farmington, New Mexico</b>		7. UNIT AGREEMENT NAME <b>Many Wells Gelling Project</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>560' FSL &amp; 660' FSL (Unit P) Section 17</b>		8. FIRM OR TRIBE NAME <b>Many Wells Project</b>
14. PERMIT NO.		9. WELL NO. <b>28</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>GR. 5496', REB. 5496'</b>		10. FIELD AND POOL, OR WILDCAT <b>Many Wells Gelling</b>
		11. SEC. T., R., M., OR-SLE, AND SURVEY OR AREA <b>Sec. 17, T11N, R10W</b>
		12. COUNTY OR PARISH <b>San Juan</b>
		13. STATE <b>New Mex.</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data:

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT ON:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <b>Convert to Water Inj.</b> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

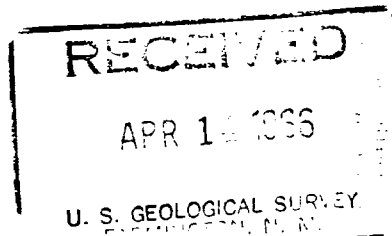
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 3/31/66 treated perfs. 1764-1772 and 1633-1638 (each zone separately) with 2000 gal. water plus 3% detergent followed by 1000 gal. 15% HCl. Swabbed back.

Ran Baker Model A tension packer on 2" tubing, set packer at 1692'. Started injecting water into lower zone through tubing and into upper zone through casing tubing annulus on 4/4/66.

ILLEGIBLE

"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"



18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Sartain TITLE Dir. Prod. Supt. DATE 4/13/66

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side





Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Nav. Ute-Mtn.

7. UNIT AGREEMENT NAME

Many Rocks Gallup Pro.

8. FARM OR LEASE NAME

Many Rocks Gallup

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

12. COUNTY OR PARISH 13. STATE

San Juan N. Mex.

SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection Wells

2. NAME OF OPERATOR

Atlantic Richfield

3. ADDRESS OF OPERATOR

Box 2197, Farmington, N. Mex.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Shut-In Injection Wells

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

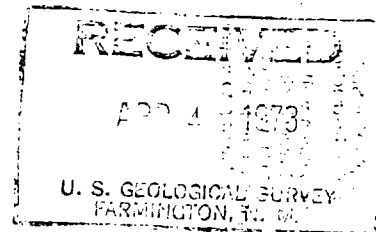
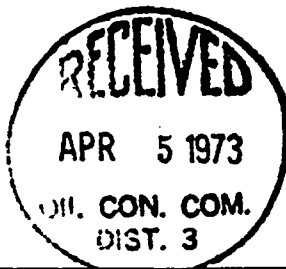
ABANDONMENT\*

(None: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

As per USGS approval, dated Jan. 23, 1973, of supplemental plan of development -- We have discontinued water injection as of March 29, 1973 on the following wells: #16, 18, 19, 21, 22, 23, & 26.

Also include Water Supply well #1-W as being shut-in March 29, 1973



18. I hereby certify that the foregoing is true and correct

SIGNED R.R. Markin

TITLE Acting Dir. Pro. Supv. DATE 4/2/73

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-E1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection		3. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Ute Mountain
3. ADDRESS OF OPERATOR 1860 Lincoln Street, Suite 501, Denver, Colorado 80203		7. UNIT AGREEMENT NAME Many Rocks Gallup Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Unit P, 660' f/South & 660' f/East lines Sec. 17		8. FARM OR LEASE NAME Many Rocks Gallup
14. PERMIT NO.		9. WELL NO. 26
15. ELEVATIONS (Show whether DF, ST, OR, etc.) 5686'		10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 17-31N-16W
		12. COUNTY OR PARISH San Juan
		13. STATE New Mexico

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) Shut In <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Unit production declined to 27 BOPD which is below the economic limit. Injection stopped to reduce expenses and evaluate unit performance without injection.

This well was shut in 3-29-73. U.S.G.S. approved Supplemental Plan of Development 1-23-73.

This well is in a Unit. Waterflood operations have been temporarily suspended. Future plans are to conduct waterflood and tertiary recovery studies. These studies may result in a revised waterflood plan or in a tertiary recovery program that may require the use of this well in order to recover the maximum amount of oil from this reservoir.

Two copies sent to New Mexico Oil Conservation Commission

18. I hereby certify that the foregoing is true and correct

SIGNED

W. A. Walther, Jr.  
W. A. Walther, Jr.TITLE Dist. Prod. & Drlg. Supt.DATE 10/18/74

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**DEPARTMENT OF THE INTERIOR** (Other instructions on reverse side)  
**GEOLOGICAL SURVEY**

Budget Bureau No. 42-R1624  
 5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo-Ute Mountain

7. UNIT AGREEMENT NAME

Many Rocks Gallup Unit

8. FARM OR LEASE NAME

Many Rocks Gallup

9. WELL NO.

26

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 17-31N-16W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Injection

2. NAME OF OPERATOR  
 Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
 1860 Lincoln Street, Suite 501, Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
 At surface

Unit P, 660' f/South & 660' f/East lines Section 17

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5686'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Shut In, Extension Request ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Unit production declined to 27 BOPD which is below the economic limit. Injection stopped to reduce expenses and evaluate unit performance without injection.

This well was shut in 3-29-73. U.S.G.S. approved Supplemental Plan of Development 1-23-73.

This well is in a unit. Waterflood operations have been temporarily suspended. Future plans are to conduct waterflood and tertiary recovery studies. These studies may result in a revised waterflood plan or in a tertiary recovery program that may require the use of this well in order to recover the maximum amount of oil from this reservoir.

TEMPORARY ABANDONMENT  
 EXPIRES

**JUN 1 1977**

Two copies sent to New Mexico Oil Conservation Commission

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther, Jr.

TITLE Operations Manager

DATE 6/04/76

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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TRANSPORTER	
OPERATOR	
REGISTRATION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

RECEIVED  
JUL 03 1984  
OIL CON. DIV  
D'S

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

BK Petroleum, Inc.

501 Airport Dr.-Suite 165, Farmington, N.M. 87401

Reason(s) for filing (Check proper box)

☐ New Well  
☐ Recompletion  
☐ Change in Ownership  
Change in Transporter of:  
☐ Oil  
☐ Gas  
☐ Dry Gas  
☐ Condensate

Other (Please explain)

Change of ownership give name and address of previous owner: Arco Oil & Gas Co., P.O. Box 5540, Denver, Co. 80217

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
any Rocks Gallup Unit	26	Many Rocks Gallup	Fed. 14-20-600 State, Federal or Fee	3531

Unit Letter P : 660 Feet From The South Line and 660 Feet From The East  
Line of Section 17 Township 31N Range 16W , N.M.P.M. San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Water injection well - shut in	501 Airport Dr.-Suite 165, Farmington, N.M. 87401
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)

Well produces oil or liquids, or location of tanks	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When

If production is commingled with that from any other lease or pool, give commingling order number

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

[Signature]  
President  
June 1, 1984  
(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 03 1984  
BY [Signature]  
TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 110a.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

(Form 17-9-331)

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

BK Petroleum, Inc.

3. ADDRESS OF OPERATOR

501 Airport Dr., Suite 165, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface

660' FSL, 660' FEL, Sec. 17, T31N, R16W

14. PERMIT NO.

15. EXPLANATIONS (Show whether oil, gas, etc.)

GL 5686

14-20-600-3531

Nava jo-Ute Mtn.

7. SURVEY ACQUISITION NAME

Many Rocks Gallup Project

8. NAME OF LEASE NAME

Many Rocks Gallup Unit

9. WELL NO.

26

10. FIELD AND POOL, OR WELLS

Many Rocks Gallup

11. COUNTY, STATE, AND SECTION OF AREA

Sec. 17, T31N, R16W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACCEPT

REPAIR WELL

(Other) Change of Operator

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

COMPLETION REPORTS BY:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACCEPTING

(Other)

REPAIRING WELL

ABANDONING CASING

ABANDONING WELL

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all workings and casing from next to this work.)

Effective June 1, 1984 BK Petroleum, Inc. became Unit Operator.

RECEIVED

SEP 28 1984

OIL CON  
DIST. 9

18. I hereby certify that the foregoing is true and correct

SIGNED Mildred L. Luckera

TITLE Petroleum Engineer

DATE 9-21-84

(Title space for Signature of Officer or Agent)

ACCEPTED FOR RECORD

APPROVED BY

CONTINUATION OF APPROVAL, IF ANY:

TITLE

SEP 27 1984

FARMINGTON RESOURCE AREA

BY PLB

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCC

(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo-Ute Mountain

7. UNIT AGREEMENT NAME

Many Rocks Gallup Project

8. FARM OR LEASE NAME

Many Rocks Gallup

9. WELL NO.

26

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA

17-T31N-R16W-NMPM

12. COUNTY OR PARISH

San Juan

13. STATE

NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells or for other work. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

OCT 10 1985

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

BK Petroleum, Inc.

BUREAU OF LAND MANAGEMENT

3. ADDRESS OF OPERATOR

P.O. Box 826, Farmington, NM 87499

FARMINGTON RESOURCE AREA

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

660' FSL, 660' FEL, Sec. 17, T31N, R16W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5686 GLE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Return well to production

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Water injection was discontinued at the subject well on 3/29/73.  
It is planned to convert this well to production by:

- 1) Acidizing with 1000 gall ons acid
- 2) Running rods and pump
- 3) Hang well on pump

RECEIVED  
OCT 25 1985  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

Mildred L. Kuchera

TITLE

Engineer

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOC

ENCLOSURES

\*See Instructions on Reverse Side

APPROVED  
DATE 10/8/85

OCT 1 1985

For AREA MANAGER  
FARMINGTON RESOURCE AREA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instruction  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back or to alter a well.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		OCT 10 1985		3. LEASE DESIGNATION AND SERIAL NO. 14-20-600-3531	
2. NAME OF OPERATOR BK Petroleum, Inc.		BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Ute Mountain	
3. ADDRESS OF OPERATOR P.O. Box 826, Farmington, NM 87499				7. UNIT AGREEMENT NAME Many Rocks Gallup Project	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL, 660' FEL, Sec. 17, T31N, R16W				8. FARM OR LEASE NAME Many Rocks Gallup	
				9. WELL NO. 26	
				10. FIELD AND POOL, OR WILDCAT Many Rocks Gallup	
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 17-T31N-R16W-NMPM	
14. PERMIT NO.		15. ELEVATIONS (Show whether OF, RT, OR, etc.) 5686 GLE		12. COUNTY OR PARISH San Juan	
				13. STATE NM	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANK

(Other) Return well to production

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Water injection was discontinued at the subject well on 3/29/73.  
It is planned to convert this well to production by:

- 1) Acidizing with 1000 gall ons. acid
- 2) Running rods and pump
- 3) Hang well on pump

RECEIVED

SEP 04 1990

OIL CON. DIV  
DIST. 2

18. I hereby certify that the foregoing is true and correct

SIGNED Mildred L. Kuchera

TITLE Engineer

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

DATE 10/8/85

OCT 21 1985

DATE

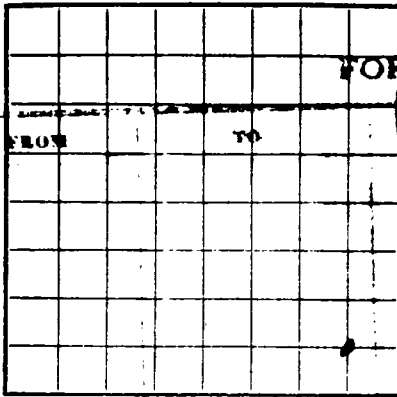
AREA MANAGER  
FARMINGTON RESOURCE AREA

TO WHOM IT MAY CONCERN:

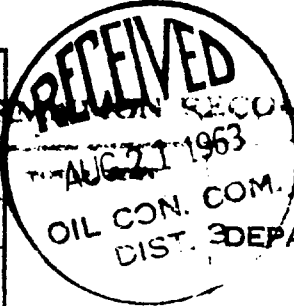
A COPY OF THE ATTACHED APPLICATION  
HAS BEEN FORWARDED TO NMOCC.

\*See Instructions on Reverse Side

OPERATOR



LOCATE WELL CORRECTLY


 U. S. LAND OFFICE **Cal. 110**  
 SERIAL NUMBER **Nav. Ute Tribal**  
 LEASE OR PERMIT TO PRODUCE

 UNITED STATES **11-2600-3531**  
 DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

1963

## LOG OF OIL OR GAS WELL

Company **The Atlantic Refining Co** Address **Box 2197, Farmington N M**  
 Lessor or Tract **Navajo** Field **Many Rocks** State **New Mexico**  
 Well No. **1755** Sec. **17** T. **34N** R. **10W** Meridian **NPM** County **San Juan**  
 Location **660** ft. **N** of **1** Line and **660** ft. **W** of **1** Line of **Sec 17** Elevation **5695**  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon  
 so far as can be determined from all available records.

Date **8-16-63**

Signed

*B. J. Dastain*Title **Drig. & Prod. Supv.**

The summary on this page is for the condition of the well at above date.

 Commenced drilling **7-29-63**, 19... Finished drilling **7-29-63**, 19...

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <b>1632</b> to <b>1638</b>	No. 4, from _____ to _____
No. 2, from <b>1764</b> to <b>1772</b>	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

## IMPORTANT WATER SANDS

No. 1, from _____ to _____	No. 3, from _____ to _____
No. 2, from _____ to _____	No. 4, from _____ to _____

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<b>8-5/8</b>	<b>23</b>	<b>3</b>	<b>1</b>	<b>100</b>	<b>plug</b>	<b>1632</b>	<b>1638</b>	<b>1638</b>	<b>to</b>
<b>4-1/2</b>	<b>12.5</b>	<b>3</b>	<b>1</b>	<b>100</b>	<b>plug</b>	<b>1764</b>	<b>1772</b>	<b>1772</b>	<b>to</b>

## HISTORY OF OIL OR GAS WELL

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>8-5/8</b>	<b>105.18</b>	<b>100 + 25 gal</b>	<b>pump &amp; plug</b>	<b>8.7</b>	<b>cement circulated</b>
<b>4-1/2</b>	<b>1835.01</b>				<b>40 bbl</b>

## PLUGS AND ADAPTERS

ILLEGIBLE



## SHOOTING RECORD

Shot	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		SEA-ELON				

## TOOLS USED

Rotary tools were used from ~~surface~~ feet to ~~1255~~ feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

It is of the greatest importance to have a complete history of the well, with the reasons for the work and its results. **DATES** Put to producing ~~8-12-43~~, 19

The production for the first 24 hours was ~~120~~ barrels of fluid of which ~~100~~ % was oil; ~~0~~ % emulsion; ~~0~~ % water; and ~~0~~ % sediment. Gravity, °Bé. ~~40.9~~ °API

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. ~~8.4~~

## EMPLOYEES

**Whigham Drilling Co.**, Driller

, Driller

, Driller

## FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
Surface	303	303	Mesaverde group
303	1597	1294	Mancos shale
1597	1775	178	Niobrara Formation - Gallup
			(Upper Niobrara SS 1631-1645)
			(Basal Niobrara SS 1763-1775)
1775	1787	12	Juana Lopez member - Sanostel
1787	1899	68	Carlile
PERFORATING & FRACTURING			
1764-1772: 150 gal mud acid, 15000# 10/20 sd & 2000# 8/12 sd in 22500 gal lease crude			
1632-1638: 150 gal mud acid, 15000# "			1500# " 1900 "
ILLEGIBLE			
FROM	TO	TOTAL FEET	FORMATION

(OVER)  
FORMATION RECORD - CONTINUED

16-42094-4

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	GAS	/
OPERATOR		2
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-11  
Effective 1-1-65

B.T.

I.

Operator		THE ATLANTIC REFINING COMPANY	
Address		BOX 2197 FARMINGTON, NEW MEXICO	
Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input checked="" type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease
Many Rocks Gallup Project	26	Many Rocks Gallup	State, Federal or Fee Tribal
Location			
Unit Letter	P	660 Feet From The	South Line and 660 Feet From The East
Line of Section	17	Township	31N Range 16W, NMPM, San Juan County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Shell Oil Company	Box 1536, Farmington, New Mexico					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
None						
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	L	17	31N	16W	No	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'tv.	Diff. Res'tv.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

B J Sartain  
(Signature)  
Drilling & Production Supervisor  
(Title)  
2/1/65  
(Date)

OIL CONSERVATION COMMISSION

FEB 2 1965

APPROVED \_\_\_\_\_, 19

BY Original Signed Emery C. Arnold

TITLE Supervisor Dist. # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

DISTRIBUTION			
SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR		3	
PRORATION OFFICE			

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

I. Operator

ARCO Oil and Gas Company, Division of Atlantic Richfield Company

Address

1860 Lincoln St., Suite 501, Denver, Colorado 80295

Reason(s) for filing (Check proper box)

New Well ☐

Recompletion ☐

Change in Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain) Effective 4/1/79

Assumed name for formerly  
Atlantic Richfield Company.

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup	Well No. 26	Pool Name, including Formation Many Rocks Gallup	Kind of Lease State, Federal or Fee	Lease No. Fed. 14-20-600-35
Location				
Unit Letter P	660	Feet From The South	Line and 660	Feet From The East
Line of Section 17	Township 31N	Range 16W	NMPM, San Juan	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Water Injection Well - Shut In						
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of tank volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

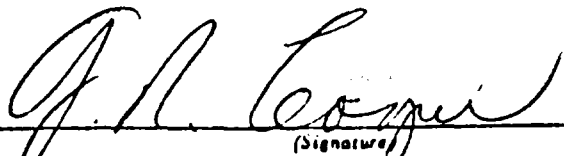
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.



Accounting Supervisor

(Title)

March 2, 1979

(Date)

OIL CONSERVATION COMMISSION

APPROVED MAR 12 1979

BY Original Signed by A. B. Kendrick  
SUPERVISOR DIST. 40

TITLE

This form is to be filed in compliance with RULE 1104.

If this is request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator BK Petroleum, Inc.	Well API No.
Address P.O. Box 826, Farmington, NM 87499	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/> Changed Crude Oil Transporter from
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> Ciniza P/L to Giant Transportation
If change of operator give name and address of previous operator	

#### I. DESCRIPTION OF WELL AND LEASE

Lease Name Many Rocks Gallup Unit	Well No. 26	Pool Name, Including Formation Many Rocks Gallup	Kind of Lease State, Federal or Fee	Lease No. 4-20-600-3531
Location Unit Letter <u>P</u> : <u>660</u> Feet From The <u>South</u> Line and <u>660</u> Feet From The <u>East</u> Line Section <u>17</u> Township <u>31N</u> Range <u>16W</u> , NMPM, San Juan County				

#### III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Giant Transportation	Address (Give address to which approved copy of this form is to be sent) P.O. Box 12999, Scottsdale, AZ 85255
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> Gas Used on lease	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit   Sec.   Twp.   Rge.   Is gas actually connected?   When ?
	L   17   31N   16W

If this production is commingled with that from any other lease or pool, give commingling order number:

#### IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

#### TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

#### V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate - MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

#### VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Mildred L. Kuchera  
Signature  
Mildred L. Kuchera OWNER  
Printed Name  
Date 9/4/90 Title  
505-326-3139 Telephone No.

#### OIL CONSERVATION DIVISION

Date Approved SEP 05 1990

By [Signature]

Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

State of New Mexico

**ENERGY, MINERALS and NATURAL RESOURCES DE**

2040 South Pacheco

P.O. Box 6429

Santa Fe, New Mexico 87505-5472

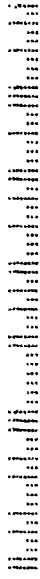
Fold at line over top of envelope to  
the right of the return address

**CERTIFIED**

P 410 425 226

**MAIL**

87401-2646 03



State of New Mexico

**ENERGY, MINERALS and NATURAL RESOURCES DE**

2040 South Pacheco

P.O. Box 6429

Santa Fe, New Mexico 87505-5472

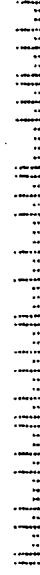
Fold at line over top of envelope to  
the right of the return address

**CERTIFIED**

P 410 425 225

**MAIL**

87499-0826



241

U.S. POSTAGE 320

SANTA FE AUG 30 00 N. MEX.

Postage Due

**BK Petroleum, Inc.**  
501 Airport Dr., Suite 165  
Farmington, NM 87401

☐ Not Deliverable As Addressed  
☐ Unable to Forward  
☐ Insufficient Address  
☐ Moved, Left No Address  
☐ Unclaimed  
☐ Attempted - Not Known  
☐ No Such Street  
☐ Vacant  
☐ Return Mail Receiptable  
☐ Box Closed - No Order  
☐ Returned For Error Address

320

SANTA FE AUG 30 00 N. MEX.

Postage Due

**BK Petroleum, Inc.**  
Post Office Box 826  
Farmington, NM 87499-0826

SEP 03 2000

12 NOV 9-11

2nd NOV 9-11

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

**3. Article Addressed to:**

BK Petroleum Inc.  
501 Airport Drive, Suite 165  
Farmington, NM 87401

**4a. Article Number**

P 410 425 226

**4b. Service Type**

- ☐ Registered
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ COD
- ☒ Certified
- ☐ Insured

**7. Date of Delivery**

**5. Received By: (Print Name)**

**6. Signature: (Addressee or Agent)**

**X**

**8. Addressee's Address (Only if requested and fee is paid)**

Thank you for using Return Receipt Service.

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

**3. Article Addressed to:**

BK Petroleum, Inc.  
P.O. Box 826  
Farmington, NM 87499-0826

**4a. Article Number**

P 410 425 225

**4b. Service Type**

- ☐ Registered
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ COD
- ☒ Certified
- ☐ Insured

**7. Date of Delivery**

**5. Received By: (Print Name)**

**6. Signature: (Addressee or Agent)**

**X**

**8. Addressee's Address (Only if requested and fee is paid)**

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

Thank you for using Return Receipt Service.

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt