



IN REPLY REFER TO:
3162.5 (922)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
NEW MEXICO STATE OFFICE
Post Office and Federal Building
P.O. Box 1449
Santa Fe, New Mexico 87504-1449

MAY 28 1991

Mr. William J. LeMay
Director
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

10335

Dear Mr. LeMay:

Over the past several years, discussions have taken place between our agencies concerning the use of the oil and gas reclamation fund administered by your division. The division may use the fund to plug abandoned Federal wells where there is no bond, after all means to establish liability have been exhausted.

There are 36 Federal wells in New Mexico that qualify for plugging by the fund. Our goal is to have all of these wells plugged by the end of 1998. Based on a risk assessment, the three wells listed below need to be plugged as soon as possible. We request that the fund be utilized to plug these wells by the end of 1991. Please note that the Aztec Totah Unit Well No. 7 was the subject of a Division Hearing (Case 9213) on October 21, 1987, but has not yet been plugged.

Case 9213
Aztec Totah Unit Well No. 7, located 660 feet from the south line and 1980 feet from the east line of Section 20, Township 29 North, Range 13 West, San Juan County.

Aztec Totah Unit Well No. 1, located 820 feet from the south line and 675 feet from the west line of Section 21, Township 29 North, Range 13 West, San Juan County.

Keys Federal Well No. 1, located 990 feet from the north line and 330 feet from the west line of Section 33, Township 6 South, Range 26 East, Chaves County.

Please have your office contact Bill Dalness, Branch of Fluid Minerals, NM (922), at 988-6117 to initiate this process. We are prepared to provide all necessary technical information and to testify at all required hearings.

We believe that procedures to award a contract to plug the Aztec Totah Unit Well No. 7 should commence immediately.

Sincerely,

/s/ Larry Woodard

Larry L. Woodard
State Director

cc:

NM (015)

NM (019, J. Keller)

Robert G. Stoval
General Counsel
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504

Frank T. Chavez
Supervisor
District III
Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

M. B. Williams
Supervisor
District II
Oil Conservation Division
P. O. Drawer DD
Artesia, NM 88210

NM(922)BDalness:mg:x6117:5/22/91:PLUGWELL.LTR

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-104
Revised 10-1-78

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TRANSPORTER	OIL
	GAS
OPERATOR	
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REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator Paramount Petrol Corp.
Address Po Box 22763 Houston Tx 77027
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) (13)

If change of ownership give name and address of previous owner Southland Royalty Co. 1000 Ft Worth Club Tower Ft Worth, Tx 76102

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Central Total Unit</u>	Well No. <u>1</u>	Pool Name, including Formation <u>Gallup</u>	Kind of Lease State, Federal or Fee <u>STATE</u>	Lease No. <u>03498</u>
Location Unit Letter <u>M</u> : <u>820</u> Feet From The <u>S</u> Line and <u>675</u> Feet From The <u>W</u> Line of Section <u>21 SWSW</u> Township <u>29N</u> Range <u>13 W</u> , NMPM, <u>SAN JUAN</u> 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)
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 (D) <u>3, RT, GR, etc.</u>	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 (spiral, 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 Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Robert C Whitworth
(Signature)
VP Operations
(Title)
11/17/80
(Date)

OIL CONSERVATION DIVISION

APPROVED NOV 24 1980, 19BY Frank J. O'LearyTITLE 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 filled for each pool in multiply

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	GAS
OPERATOR	4
PRODUCTION 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
Operator SOUTHLAND ROYALTY COMPANY
Address P.O. Drawer 570
Farmington, N.M. 87401
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) TA
Name Change

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.
Central Totah Unit	1	Totah Gallup	State, Federal or Fee Federal	SF-07906
Location				
Unit Letter	M	820 Feet From The	South Line and	675 Feet From The
Line of Section	21	Township	29N	Range
			13W	, 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)					
Four Corners Pipeline Plateau	Box 1588, Farmington, New Mexico Box 108, 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.	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/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.

[Signature]
(Signature)

District Production Manager
(Title)

1-1-78

(Date)

OIL CONSERVATION COMMISSION

APPROVED JAN 12 1978, 19
BY [Signature]
TITLE Superintendent

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 9-381
(May 1968)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-B1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF-079065

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Central Totah Unit

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Totah Gallup

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

Section 21-29N-13W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1.

OIL ☒ WELL GAS ☐ WELL OTHER ☐

2. NAME OF OPERATOR

Aztec Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Drawer 570, Farmington, New Mexico 87401

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

See also space 17 below.)
At surface

820' FSL & 675' FWL
Section 21-29N-13W

14. PERMIT NO.

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

5303 GR

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

Temporarily Abandon

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.)*

This well is not economical to produce under present conditions.
It is located in a secondary recovery project and is a potential
well for additional secondary recovery or tertiary recovery methods
if economics change.

RECEIVED

JUN 21 1976

U. S. GEOLOGICAL SURVEY

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

SIGNED

Van Ryan

TITLE

District Superintendent

DATE

June 18, 1976

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

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	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

I. Operator
Aztec Oil and Gas Company
Address
Drawer 570, Farmington, New Mexico
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)
This is a water injection well

If change of ownership give name and address of previous owner
Tenneco Oil Company, Box 1714, Durango, Colorado

II. DESCRIPTION OF WELL AND LEASE

Lease Name Central Totah Unit	Well No. 1	Pool Name, Including Formation Totah Gallup	Kind of Lease State, Federal or Fee Fed ST	Lease No. 079065
Location Unit Letter M ; 820 Feet From The S Line and 675 Feet From The W Line of Section 21 Township 29N Range 13W, 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)	
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 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.	Grav. of Condensate

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	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.

Jan E. Scurmon
(Signature)
District Superintendent
(Title)
October 6, 1967
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 6 1967
BY Ernest Chavez
SUPERVISOR DIST. #8
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 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 multiv

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.

SP 079065

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Central Totah Unit

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Totah Gallup

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

Sec. 21, T-29, R-13

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

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

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 1714, Durango, Colorado

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

820' F/SL, 675' F/WL Sec. 21, T-29, R-13

14. PERMIT NO.

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

5303 G.L.

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* ☐

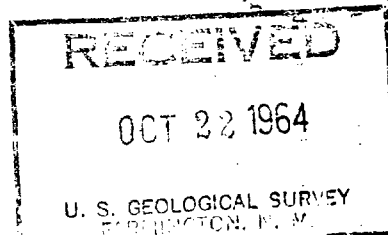
Convert to Water Injection

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 pertinent to this work.)*

Pulled rods, tubing and pump. Ran plastic coated tubing w/Baker Model "A" Packer set at 5090', Install meter manifold. Well converted to water injection for Central Totah Unit.



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

SIGNED **J. E. Watkins**

TITLE **Dist. Office Supervisor**

DATE **10-19-64**

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

NUMBER OF COPIES RECEIVED		3
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PRODUCTION OFFICE	GAS	
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 Tenneco Oil Company				Lease Central Totah Unit		Well No. 1	
Unit Letter M	Section 21	Township 29 N	Range 13 W	County San Juan			
Pool Totah Gallup				Kind of Lease (State, Fed, Fee) Federal			
If well produces oil or condensate give location of tanks			Unit Letter M	Section 21	Township 29 N	Range 13 W	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> McWood Corporation				Address (give address to which approved copy of this form is to be sent) Farmington, New Mexico			
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:

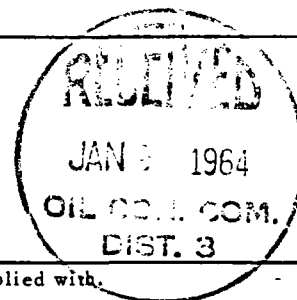
Gas being flared.

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 . . ☐

Change in lease name from Hagood Gallup Oil Unit "A" No. 1, effective January 1, 1964.

Remarks



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

Executed this the 8th day of January, 1964.

OIL CONSERVATION COMMISSION

Approved by

Title

Supervisor Dist. # 3

Date

JAN 9 1964

By

Title

Company

Address

J. H. Watkins

District Office Supervisor

Tenneco Oil Company

**P. O. Box 1714
 Durango, Colorado**

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OPERATOR	2

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

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator Tenneco Oil Company				Lease Hagood Gallup Oil	
Unit Letter M	Section 21	Township 29N	Range 13W	County San Juan	
Pool Totah Gallup				Kind of Lease (State, Fed, Fee) Federal	
If well produces oil or condensate give location of tanks			Unit Letter M	Section 21	Township 29N
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> McWood Corporation			Address (give address to which approved copy of this) Farmington, New Mexico		
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)	

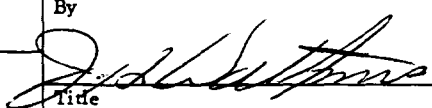

If gas is not being sold, give reasons and also explain its present disposition:

REASON(S) FOR FILING (please check proper box)	
New Well <input type="checkbox"/>	Change in Ownership <input checked="" type="checkbox"/>
Change in Transporter (check one)	Other (explain below)
Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Casing head gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
Effective 1-1-64	

Remarks To change name from Tenneco Corporation to Tenneco Oil Company.

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

Executed this the 12th day of December, 19 63.

OIL CONSERVATION COMMISSION		By  Title
Approved by  Title Supervisor Dist. # 3	District Office Supervisor	
Date Dec 12 1963	Company Tenneco Oil Company	
	Address P. O. Box 1714 Durango, Colorado	

NUMBER OF COPIES RECEIVED		DISTRIBUTION		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 Tenneco Corporation				Lease Hagood Gallup Oil Unit "A"		Well No. 1	
Unit Letter M		Section 21		Township 29 N		Range 13 W	
Pool Totah Gallup				County San Juan			
Kind of Lease (State, Fed, Fee) Federal							
If well produces oil or condensate give location of tanks				Unit Letter M		Section 21	
				Township 29 N		Range 13 W	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> McWood Corporation				Address (give address to which approved copy of this form is to be sent) Farmington, New Mexico			
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: Gas being flared. No market available. Currently operating under 90-day new well exception to no flare order							
REASON(S) FOR FILING (please check proper box)							
New Well <input checked="" 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"/>							
Casing head gas <input type="checkbox"/> Condensate <input type="checkbox"/>							
REMARKS							
The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.							
Executed this the <u>4th</u> day of <u>December</u> , 19 <u>61</u> .							
OIL CONSERVATION COMMISSION				By <u>J. J. Lacey</u>			
Approved by <u>A. R. Denshick</u>				Title <u>District Petroleum Engineer</u>			
Title <u>PETROLEUM ENGINEER DIST. NO. 3</u>				Company <u>Tenneco Corporation, acting by and thru its managing agent, Tenneco Oil Company</u>			
Date				Address <u>P. O. Box 1714</u> <u>Durango, Colorado</u>			

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

This form shall be submitted by the operator before an initial allowable will be assigned to any complete Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was assigned. The completion date shall be that date in the case of an oil well wellbore entered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Durango, Colorado Dec
(Place)

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

Tenneco Corporation, Hagood Gallup Oil Unit "A" Well No. 1, in SW
(Company or Operator) (Lease)
M, Sec. 21, T. 29 N, R. 13 W, NMPM, Totah Gallup
Unit Letter
San Juan County. Date Spudded 9-19-61 Date Drilling Completed

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P
X			

80

Tubing, Casing and Cementing Record

Size	Feet	Sax
8-5/8"	138'	115
4-1/2"	5245'	150
2-3/8"	5103'	

Elevation 5303 G.L. Total Depth 5245 PBT
Top Oil/Gas Pay 5134 Name of Prod. Form. Gallup

PRODUCING INTERVAL -

Perforations 5134-37; 5143-46; 5186-90

Open Hole Depth Casing Shoe 5245 Depth Tubing

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs

Test After Acid or Fracture Treatment (after recovery of volume of oil & load oil used): 14 bbls. oil, 0 bbls water in 24 hrs,

GAS WELL TEST -

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

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

Test After Acid or Fracture Treatment: MCF/Day; Hour

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid sand): 44,000# 20-40 sd; 35,000 gal. lease crude

Casing Tubing Date first new Press. 200 Press. 25 oil run to tanks November 30, 1961

Oil Transporter McWood Corporation

Gas Transporter Gas being flared. No market available

Remarks: Currently operating under 90-day new well exception to no flare order

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

Approved DEC 8 1961, 19

Tenneco Corporation, acting by managing agent, Tenneco Oil Co. (Company or Operator)

OIL CONSERVATION COMMISSION

By: [Signature]

Title PETROLEUM ENGINEER DIST. NO. 3

By: [Signature] J (Signature)

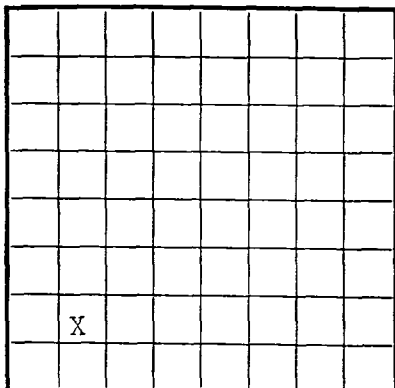
Title District Petroleum Engineer
Send Communications regarding

Name L. B. Plumb

Address P. O. Box 1714, Durango,

U. S. LAND OFFICE Santa FeSERIAL NUMBER SF 079065

LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Tenneco Corp., acting by & thru its
Company managing agent, Tenneco Oil Co. Address P. O. Box 1714, Durango, Colorado
Lessor or Tract Hagood Gallup Oil Unit "A" Field Totah Gallup State New Mexico
Well No. 1 Sec. 21 T. 29N R. 13W Meridian N.M.P.M. County San Juan
Location 820 ft. (N.) of S. Line and 675 ft. (E.) of W. Line of Section 21 Elevation 5303 GL
(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.

Signed J. J. Lacey Title District Petroleum Engineer

Date December 8, 1961

Title District Petroleum Engineer

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

Commenced drilling on September 19, 1961 Finished drilling on September 30, 1961

OIL OR GAS SANDS OR ZONES

No. 1, from 5186 to 5190 No. 4, from 5000 to 5010
No. 2, from 5134 to 5137 No. 5, from 5134 to 5137
No. 3, from 5143 to 5146 No. 6, from 5143 to 5146

IMPORTANT WATER SANDS

No. 1, from 5134 to 5137 No. 3, from 5143 to 5146
No. 2, from 5134 to 5137 No. 4, from 5134 to 5137

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	CR	5134	5137	5134	5137	Production	
4-1/2	12	4	CR	5143	5146	5143	5146	Production	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	138	115	Two Plug		
4-1/2	5245	150	Two Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

ILLEGIBLE

4-1 2	5245	150	Two Plug		

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

TOOLS USED

Rotary tools were used from 0 feet to 5245 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Potential test: 11-30-61 Pumped 14 BC in
 DATES 24 hrs. 10-54 SPM

December 8, 1961 Put to producing December 1, 1961

The production for the first 24 hours was 15.14 barrels of fluid of which 100% 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
0	11	11	KB to ground level.
11	1050	1039	Shale with sand stringers.
1050	1210	160	Sand with shale stringers.
1210	1900	890	Brown shale.
1900	3800	1900	Sand with shale stringers.
3800	4700	900	Black shale.
4700	5245	545	Shaly and silty sands.
			Electric Log Tops
			Farmington Sand 140
			Fruitland Shale 535
			Pictured Cliff 1050
			Lewis Shale 1210
			Mesaverde 2020
			Mancos Shale 3830
			Gallup 4760
FROM—	TO—	TOTAL FEET	FORMATION

Project Name		Location		Project No.	
PLANS AND SPECIFICATIONS					
Sheet No.	Project No.	Project Name	Location	Project No.	Project Name
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
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9	9	9	9	9	9
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70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73

WEDDING AND GROOMING RECORD

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

well 124" added. September 19, 1961, and drilled 12 1/2" hole to 142'. Ran 4 joints (124') 8-5/8", 24#, J-55, smls casing and set at 138'. Cemented with 115 sacks cement. Circulated cement to surface. Plug down 11:30 p.m. 9-19-61. WOC 24 hours and pressure tested casing to 3000 pounds for 30 minutes. Pressure held o.k. Drilled 7-7/8" hole to TD of 5111'. Core #1: 5111-5162', rec. 34' shale and 17' sand. Core #2, 5162-5210', rec. 40' shale and 8' sand. Ran ES and Gamma Ray sonic logs. Ran 164 joints (124') 4 1/2" 24#, J-55, smls casing and set at 5245'. Set stage collar at 1281' and cemented in two stages. First stage: cemented with 100 sacks 1:1 Diamix 2% gel. Plug down 6:45 p.m. 9-30-61. Second stage: cemented with 50 sacks 1:1 Diamix 8% gel. Plug down 7:00 p.m. 9-30-61. WOC 24 hours. Pressure tested casing to 3000 pounds for 30 minutes. Pressure held o.k. Released rig. 11:00 p.m. 9-30-61. Perforated 5186-90 with 8 jets per foot. Fraced with 17,000 pounds 20-40 sand and 18,000 gallons oil. Perforated 5134-37 and 5143-46. Fraced with 27,000 pounds sand and 6,000 gallons oil. Graded tubing at 5102'. Recovered 1000 oil and potentialized well. Potential test 11-30-61: pumped 14 barrels oil per day with 10 - 54" SPM.

DATE ----- DECEMBER 9, 1951

TIME OF SERVICE REPORT - 1954

20. It is not determined from all available records.

The information given hereafter is a complete and correct record of the men and all work done thereon

Section _____ Line of _____ of _____

MEMORANDUM FOR THE SECRETARY OF THE ARMY

FIGURE 10. The effect of the initial concentration of the monomer on the polymerization of α -methylstyrene initiated by $\text{C}_6\text{H}_5\text{MgBr}$ in THF at -78°C . The concentration of the initiator was 0.005 mole/l . The concentration of the monomer was 0.01 mole/l (O), 0.02 mole/l (\square), 0.04 mole/l (\triangle), 0.06 mole/l (\circ).

Journal of Law, Economics, & Organization, Vol. 14, No. 1, 1997, pp. 1-24. © 1997 by University of Chicago Press. All rights reserved.

СОВЕТСКАЯ НАРОДНО-ОБОЩАТЕЛЬСКАЯ РАБОТА

ମୁଖ୍ୟମନ୍ତ୍ରୀଙ୍କ ସମ୍ମୁଖରେ ଉପସ୍ଥାପନା କରାଯିବ।

LOCATE MEET CONVECTA

[illegible]

FOC OF CIG OK C42 MELL

ILLEGIBLE

— 1345 —

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR PERMIT TO PROCEED

SECRET NUMBER 25-1500

U. S. FARM OFFICE -----

X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 87 079065
Unit _____

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 RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

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

November 7, 1961

Magood Gallup Oil Unit "A"
Well No. 1 is located 820 ft. from S line and 675 ft. from W line of sec. 21
SW/4 Sec. 21 29 N 13 W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Total Gallup San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

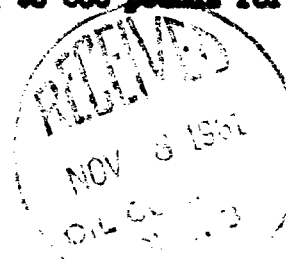
The elevation of the ground level above sea level is 5303 ft.

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)

Run and cement surface casing as follows:

Run 4 joints (124') 8-5/8", 24#, J-55, steel casing and set at 138'. Cemented with 115 sacks cement. Circulated cement to surface. Plug down 11:30 p.m. 9-19-61. WOC 12 hours and pressured tested casing to 600 pounds for 30 minutes. Pressure held o.k.



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

Company Tenneco Corp., acting by and thru its managing agent, Tenneco Oil Co.
Address P. O. Box 1714
Durango, Colorado

By L. B. Flumb
Title District Production Supt.

ILLEGIBLE

X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 87 079065
Unit _____

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 RE-DRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR _____	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____	
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____	
NOTICE OF INTENTION TO ABANDON WELL _____		

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

November 7, 1961

Hagood Gallup Oil Unit "A"
Well No. 1 is located 820 ft. from (N) line and 675 ft. from (W) line of sec. 21

SW 1/4 Sec. 21 29 N 13 W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Totah Gallup San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground level above sea level is 5303 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)

Run and cement production casing as follows:

Ran 164 joints (5242') 4-1/2", 9.5#, J-55, snls casing and set at 5245'.
Set stage collar at 1261' and cemented in two stages. First stage: cemented with 100 sacks 1:1 Diamix, 2% gal. Plug down on first stage 6:45 p.m. 9-30-61.
Second stage: cemented with 50 sacks 1:1 Diamix 6% gal. Plug down on second stage 7:00 p.m. 9-30-61. WOC 24 hrs. Pressure tested casing to 3000 pounds for 30 minutes. Pressure held o.k.

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

Company Tenneco Corporation, acting by and thru its managing agent, Tenneco Oil Co.

Address P. O. Box 1714
Durango, Colorado

By L. B. Flumb

Title District Production Superintendent

X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. SP 079065
Unit _____

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 RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

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

U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

September 14, 1961

Hagood Gallup Oil Unit "A"
Well No. 1 is located 820 ft. from 100 line and 675 ft. from W line of sec. 21

SW/4 Section 21 29 N 13 W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Totah Gallup San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

ground level
The elevation of the ~~land surface~~ above sea level is 5303 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)

Proposed well to be drilled as follows:

Drill 11" hole to 150'. Run 8-5/8" OD, 24#, casing to 150' and cement with sufficient volume to circulate to surface. WOC 12 hours. Pressure test casing. Drill 7-7/8" hole to TD, approximately 5210'. Run Gamma Ray-Sonic and Electric logs. Run 4-1/2" OD, 9.5#, casing with stage collar through deepest pay and cement in two stages. First stage: 100 sacks 50-50 Pozmix, second stage: 50 sacks 50-50 Pozmix. Pressure test casing. Perforate and stimulate producing zone. Potential well and clean up location.

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

Company Tenneco Corporation, acting by and through its managing agent, Tenneco Oil Company
Address P. O. Box 1714
Durango, Colorado

By L. B. Plumb
Title District Production Superintendent

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
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

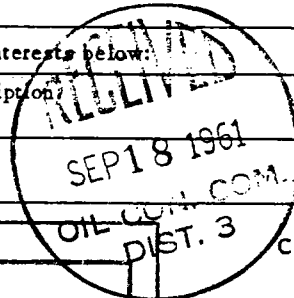
FORM C-128
 Revised 5/1/57

SECTION A

Operator TENNOCO OIL COMPANY		Lease HAGOOD-GALLUP OIL UNIT "A"		Well No. 1
Unit Letter N	Section 21	Township 29 North	Range 13 West	County San Juan
Actual Footage Location of Well: 820 feet from the South line and 675 feet from the West line				
Ground Level Elev. 5303	Producing Formation Gallup	Pool Total Gallup	Dedicated Acreage: 80 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO ____ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
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

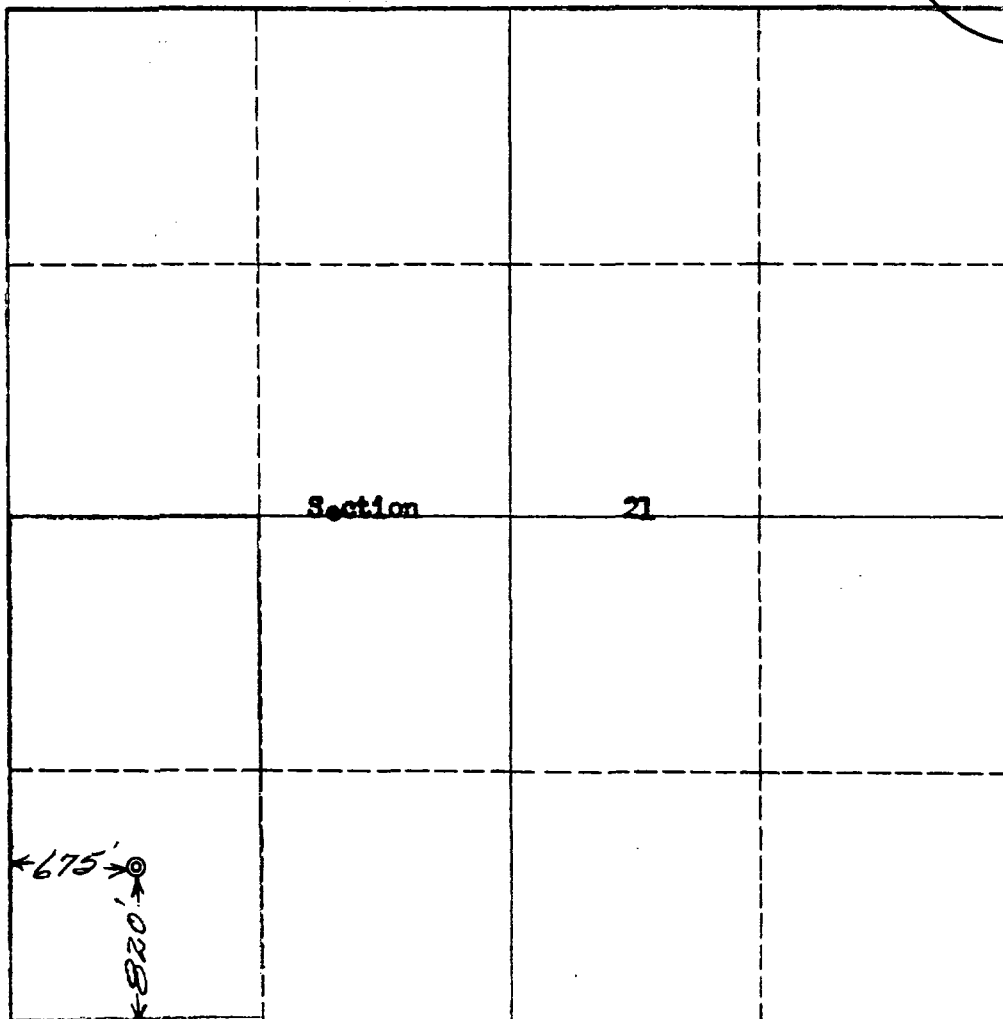


RECEIVED

SEP 13 1961

U. S. GEOLOGICAL SURVEY
 CERTIFICATION, NEW MEXICO

SECTION B

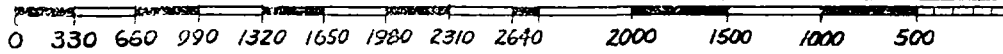


I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name Robert H. Plumb
Position Dist. Production Supt.
Company Tenneco Oil Company
Date September 14, 1961

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

Date Surveyed 14 September 1961
Registered Professional Engineer and/or Land Surveyor Robert H. Plumb
Company San Juan Engineering Co.
Certificate No.



INSTRUCTIONS FOR COMPLETION OF FORM C-128

1. Operator shall furnish and certify to the information called for in Section A.
2. Operator shall outline the dedicated acreage for *both* oil and gas wells on the plat in Section B.
3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
4. All distances shown on the plat must be from the outer boundaries of the Section.
5. If additional space is needed for listing owners and their respective interests as required in question 3 of Section A, please use space below.