

CMD :  
OG6CLOG

ONGARD  
C105-WELL COMPLETION OR RECOMP CASING LOG

01/24/95 21:39:55  
OGOMES -EMFZ

OGRID Identifier : 135 ABBOTT VENTURES  
Prop Identifier : 11542 NE HOGBACK STATE NM  
API Well Identifier : 30 45 9592 Well No : 001  
Surface Locn - UL : A Sec : 16 Twp : 30N Range : 16W Lot Idn :  
Multiple comp (S/M/C) : S TVD Depth (Feet) : 99999 MVD Depth (Feet):  
Spud Date : P/A Date :  
Casing/Linear Record:

S Size (inches)	Grade Weight (lb/ft)	Depth(ft) Top-Liner	Depth(ft) Bot-Liner	Hole Size (inches)	Cement (Sacks)	TOC (feet)	Code
99.000	99.0	99999.0	99999.0	99.000	9999	99999	C

E0043:Record found; Authority denied to MODIFY/ADD

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD :  
OG6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

01/24/95 21:40:35  
OGOMES -EMFZ

API Well No : 30 45 9592 Eff Date : 04-01-1985 WC Status : A  
Pool Idn : 32870 HORSESHOE GALLUP  
OGRID Idn : 135 ABBOTT VENTURES  
Prop Idn : 11542 NE HOGBACK STATE NM

Well No : 001  
GL Elevation: 99999

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: A	16	30N	16W	FTG 365 F N FTG	330 F E	P
Lot Identifier:							
Dedicated Acre:		40.00					
Lease Type		: S					
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O)							

M0025:Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06  
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

CMD :  
OG6WELL

ONGARD  
INQUIRE WELL DETAILS

01/24/95 21:44:21  
OGOMES -EMFZ

API Well No: 30 45 9592 Eff Date : 04-01-1985 APD Status : A  
OGRID Idn : 135 ABBOTT VENTURES  
Prop Idn : 11542 NE HOGBACK STATE NM  
Well No : 001

	U/L	Sec	Township	Range	North/South	East/West	Lot	Idn
Surface Locn :	A	16	30N	16W	FTG 365 F N	FTG 330 F E		
API County :	45	San	Juan					

Well type : O Ground Level Elevn : 99999 Cable/Rotary : R  
Lease type : S State Lease Number :

Prpsd Depth : Prpsd Formation :

M0025:Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 IWCM	PF11 HISTORY	PF12 NXTREC

30045 9592

PRINCIPAL: ABBOTT VENTURES 135

SURETY: Allied Fidelity Insurance Co. 26114

BOND NO.: FS136035 ION 505'23

TYPE: \$5,000 One-Well

APPROVED: January 22, 1985

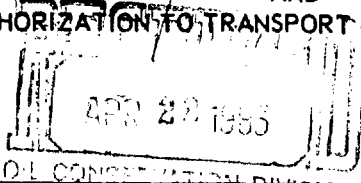
CANCELLED:

WELL LOCATION: NE/4 NE/4 of Sec. 16, T-30-N,  
R-16-W, San Juan County  
330" FEL and 365' FNL  
Unit A

DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
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-110  
Effective 1-1-65



**I. Operator**  
Abbott Ventures

**Address**  
1808 Knudsen Av. Farmington, NM 87401

**Reason(s) for filing (Check proper box)**

New Well <input checked="" type="checkbox"/>	Change in Transporter of:	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>			

Other (Please explain) \_\_\_\_\_

If change of ownership give name and address of previous owner \_\_\_\_\_

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name NE Hogback State NM	Well No. 1	Pool Name, including Formation Horseshoe Gallup	Kind of Lease State, Federal or Fee State	Lease No. V-606
Location Unit Letter <u>A</u> ; <u>330</u> Feet From The <u>East</u> Line and <u>365</u> Feet From The <u>North</u>				
Line of Section <u>16</u> Township <u>30 North</u> Range <u>16 West</u> , NMPM, <u>San Juan</u> 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"/> Gary Energy Corp 115 Inverness Dr. East	Address (Give address to which approved copy of this form is to be sent) Englewood, CO 80112-5116
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 <u>A</u> Sec <u>16</u> Twp. <u>30N</u> Rge. <u>16W</u> Is gas actually connected? <u>No</u> 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 <input checked="" type="checkbox"/>	Gas Well	New Well <input checked="" type="checkbox"/>	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded 11/1/84	Date Compl. Ready to Prod. 1/25/85	Total Depth 1406'	P.B.T.D. 1401'					
Elevations (DF, RKB, RT, GR, etc.) 5319' GR	Name of Producing Formation Horseshoe Gallup	Top Oil/Gas Pay 1200'	Tubing Depth 1237'					
Perforations 1200'-1222' 4JSPF, 1236'-1250' 4JSPF			Depth Casing Shoe 1406'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
8 3/4"	7 5/8"	44'	10					
6 1/4"	4 1/2"	1406'	50					
	2 3/8"	1237'						

**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 1/25/85	Date of Test 2/10/85	Producing Method (Flow, pump, gas lift, etc.) Pumping	
Length of Test 7 days	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test 13.5 BBL	Oil-Bbls. 8	Water-Bbls. 5.5	Gas-MCF TSTM

**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.

*Royce Abbott*  
(Signature)

Operator  
(Title)

Feb 26, 1985  
(Date)

**OIL CONSERVATION COMMISSION**

3-7-85  
APPROVED \_\_\_\_\_, 1985

BY *James D. Chapp*

TITLE SUPERVISOR DISTRICT #7

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

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

MAR 07 1985

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State

5. State Oil & Gas Lease No.  
V-606

1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER

b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESRV.  OTHER  Re-entry

7. Unit Agreement Name

8. Farm or Lease Name  
N. E. Hogback State NM.

2. Name of Operator  
ABBOTT VENTURES

9. Well No.  
1

3. Address of Operator  
1601 Yucca Ave. Farmington, New Mexico 87401

10. Field and Pool, or Wildcat  
Horseshoe Gallup

4. Location of Well  
UNIT LETTER A LOCATED 330 FEET FROM THE East LINE AND 365 FEET FROM  
THE North LINE OF SEC. 16 TWP. 30N RGE. 16W NMPM

12. County  
San Juan

15. Date Spudded 5/6/59 16. Date T.D. Reached 6/1/59 17. Date Compl. (Ready to Prod.) 12/28/84 18. Elevations (DF, RKB, RT, GR, etc.) 5319' GR 19. Elev. Casinghead 5321'

20. Total Depth 1406' 21. Plug Back T.D. 1401' 22. If Multiple Compl., How Many 3 23. Intervals Drilled By Rotary Tools 0-1406' Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name  
1200' - 1222', Upper Gallup 1236' - 1250' Lower Gallup MAR 11 1985

25. Was Directional Survey Made  
No

26. Type Electric and Other Logs Run  
GR (1959) OIL CONSERVATION DIVISION

27. Was Well Cored  
No

28. CASING RECORD (Report all strings set in well).

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7 5/8"	24#	44'	8 3/4"	10 sx.	
4 1/2"	9.50#	1406'	6 1/4"	50 sx.	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	1237'	None

31. Perforation Record (Interval, size and number)  
1200' - 1222' 4JPF  
1236' - 1250' 4JPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>1200' - 1250'</u>	<u>S.O.F. 38,000 gal oil</u> <u>18,000 # sand (1959)</u>

33. PRODUCTION

Date First Production 1-25-85 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping (1 1/2" x 8') Well Status (Prod. or Shut-in) Shut in

Date of Test <u>2/10/85</u>	Hours Tested <u>7 Day</u>	Choke Size	Prod'n. For Test Period <u>1.14</u>	Oil - Bbl. <u>8</u>	Gas - MCF <u>TSTM</u>	Water - Bbl. <u>5.5</u>	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl. <u>0.8</u>	Oil Gravity - API (Corr.) <u>41°</u>	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By  
C. J. Taplin

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Ralph Abbott TITLE Operator DATE 2-20-85

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and conductivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, from 20 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where the copies are required. See Rule 1105.

**INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE**

**Southeastern New Mexico**

**Northwestern New Mexico**

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Fictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

**OIL OR GAS SANDS OR ZONES**

No. 1, from 1200' to 1222'	No. 4, from _____ to _____
No. 2, from 1236' to 1250'	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

**IMPORTANT WATER SANDS**

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____	feet _____
No. 2, from _____ to _____	feet _____
No. 3, from _____ to _____	feet _____
No. 4, from _____ to _____	feet _____

**FORMATION RECORD (Attach additional sheets if necessary)**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1200	1200	Shale and sandy shale				
1200	1222	22	Sand (oil)				
1222	1236	14	Sandy shale				
1236	1250	14	Sand (oil)				
1250	1406	156	Sandy shale & shale				

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
V-606

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 ..." (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Abbott Ventures	8. Farm or Lease Name NE Hogback State NM
3. Address of Operator 1808 Knudsen Av. Farmington, NM 87401	9. Well No. 1
4. Location of Well UNIT LETTER <u>A</u> <u>330</u> FEET FROM THE <u>East</u> LINE AND <u>365</u> FEET FROM THE <u>North</u> LINE, SECTION <u>16</u> TOWNSHIP <u>30N</u> RANGE <u>16W</u> NMPM.	10. Field and Pool, or Wildcat Horseshoe Gallup
15. Elevation (Show whether DF, RT, GR, etc.) 5319' GR	12. County San Juan

16.

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER

PLUS AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOB

OTHER  re-entry

ALTERING CASING

PLUS AND ABANDONMENT

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 10/31/84: MIEU
- 11/1/84 : Remove steel marker, drill out 10' surface plug, tag cement at 1187'.
- 11/2/84 : Drill out cement plug 1187' - 1406'. Bailed well.
- 11/3/84 : Released rig.

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

SIGNED Russ Abbott TITLE Owner/Operator DATE 12/18/84

APPROVED BY [Signature] TITLE [Signature] DATE [Signature]

CONDITIONS OF APPROVAL, IF ANY:



OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

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LAND OFFICE		
OPERATOR		

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
V-606

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" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL  GAS WELL  OTHER

7. Unit Agreement Name

8. Farm or Lease Name  
NE Hogback State NM

Name of Operator  
Abbott Ventures

9. Well No.  
1

Address of Operator  
1808 Knudsen Av. Farmington, NM 87401

10. Field and Pool, or Wildcat  
Horseshoe Gallup

Location of Well  
UNIT LETTER A 330 FEET FROM THE East 365 FEET FROM  
THE North LINE, SECTION 16 TOWNSHIP 30N RANGE 16W N.M.P.M.

11. Elevation (Show whether DF, RT, GR, etc.)  
5301' D.F. 3300 GR.

12. County  
San Juan

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIATION WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPERATIONS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Re-enter	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

It is intended to re-enter the above captioned well in the following manner:

1. MIRU
2. Drill out surface plug and plug at 1190' to approximately 1300'.
3. Perforate new zone.
4. Spot mud acid across perfs.
5. Swab well.
6. If well proves commercial set production equipment.
7. Move rig off and clean location.

**RECEIVED**  
JAN 10 1985  
OIL CON. DIV.  
DIST. 3

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

SIGNED Paul Abbott TITLE OWNER / OPERATOR DATE 8-30-84

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

All distances must be from the outer boundaries of the Section.

Operator Abbott Ventures		Lease NE Hogback State of New Mexico			Well No. 1
Unit Letter A	Section .16	Township 30 North	Range 16 West	County San Juan	
Actual Footage Location of Well: 365 feet from the North line and 330 feet from the East line					
Ground Level Elev. 5319'	Producing Formation Gallup		Pool Horseshoe Gallup		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

	<b>CERTIFICATION</b>
	<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Carolyn J. Taplin</i> Name Carolyn J. Taplin</p> <p>Position Petroleum Engineer</p> <p>Company Manzano Resources</p> <p>Date January 18, 1985</p> <p>I hereby certify that the well location shown on this plat 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.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MISCELLANEOUS REPORTS ON WELLS**

FORM C-103  
(Rev 3-55)

1960 AUG 10  
 (Submit to appropriate District Office as per Commission Rule 1106)

Name of Company **Carter & Mandel Co.** Address **410 Lubbock National Building  
Lubbock, Texas**

Lease **Northeast Hogback State** Well No. **1** Unit Letter **A** Section **16** Township **T30N** Range **R16W**

Date Work Performed **8/7/60** Pool **Undes. Gallup** County **San Juan**

**THIS IS A REPORT OF: (Check appropriate block)**

- Beginning Drilling Operations     Casing Test and Cement Job     Other (Explain):  
 Plugging     Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

The above named well was plugged in the following manner:

A cement plug was set from 1190' to 1403' with 20 sacks of Type I cement.

A cement plug was set from surface to 10' with 1 sack of Type I cement.

A 4' steel marker was set in the surface plug.

The location was cleaned and leveled.

Witnessed by \_\_\_\_\_ Position \_\_\_\_\_ Company \_\_\_\_\_

**FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY**

**ORIGINAL WELL DATA**

D F Elev. \_\_\_\_\_ T D \_\_\_\_\_ P B T D \_\_\_\_\_ Producing Interval \_\_\_\_\_ Completion Date \_\_\_\_\_

Tubing Diameter \_\_\_\_\_ Tubing Depth \_\_\_\_\_ Oil String Diameter \_\_\_\_\_ Oil String Depth \_\_\_\_\_

Perforated Interval(s) \_\_\_\_\_

Open Hole Interval \_\_\_\_\_ Producing Formation(s) \_\_\_\_\_

**RESULTS OF WORKOVER**

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

**OIL CONSERVATION COMMISSION**

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

Approved by *Emory C. Arnold*

Name *A. E. Roberts, Jr.*

Title **Supervisor Dist. # 3**

Position **A. E. Roberts, Jr., Agent**

Date **AUG 10 1960**

Company **Carter & Mandel Co.**

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL	X	NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Aztec New Mexico  
(Place)

8/4/59  
(Date)

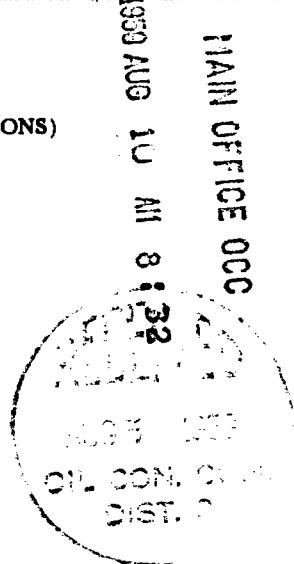
Gentlemen:

Following is a Notice of Intention to do certain work as described below at the.....

Carter Mandel Co., NE Hogback State Well No. 1 in  
(Company or Operator) Lease (Unit)  
NE 1/4 NE 1/4 of Sec. 16, T. 30 N., R. 16 W., NMPM, Horseshoe Canyon Pool  
(40-acre Subdivision)  
San Juan County, County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

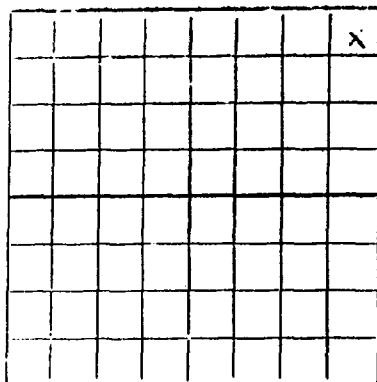
Well capped with swage and valve.



Approved..... AUG 7 1959, 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By.....  
Title..... # 3

Carter Mandel Company  
Company or Operator  
By.....  
Position..... agent.  
Send Communications regarding well to:  
Name..... A.F. Roberts Jr  
Address..... 907 Hallett Circle, Farmington New Mex.



AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

Carter & Mandel Co. Northeast Hogback State  
 (Company or Operator) (Lease)  
 Well No. 1, in NE 1/4 of NE 1/4, of Sec. 16, T. 30N, R. 16W, NMPM.  
 Undes. Gallup Pool, San Juan County.  
 Well is 365' feet from North line and 330' feet from East line  
 of Section 16. If State Land the Oil and Gas Lease No. is \_\_\_\_\_  
 Drilling Commenced May 6, 1959. Drilling was Completed June 9, 1959.  
 Name of Drilling Contractor Greystone Drilling Co.  
 Address Dallas, Texas  
 Elevation above sea level at Top of Tubing Head 5324. The information given is to be kept confidential until \_\_\_\_\_, 19\_\_\_\_.

1959  
 AUG  
 23  
 PM  
 4:45  
 MAIN OFFICE  
 OCG

OIL SANDS OR ZONES

No. 1, from 1200 to 1222 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from 1236 to 1250 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to \_\_\_\_\_ feet.  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
 No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
7 5/8"	24	New	44	Baker			Surface casing
4 1/2"	9.5	New	1406	Baker		88/1200-1222 56/1236-1250	Production casing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
8 3/4"	7 5/8"	44	10	Pumped		
6 1/4"	4 1/2"	1406	50	Pumped		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Sand-Oil Fractured through 2 1/2" tubing with 38,000 gallons of crude oil and 12,000 pounds of sand. Formation broke down at 1300 p.s.i. and took treatment at 1150 p.s.i. Injection rate 13.2 barrels per minute. Shut in for 12 hours with 100 p.s.i. pressure.  
 Result of Production Stimulation Flowed back 508 barrels of load oil during first 24 hours open. Swabbed 265 barrels of load oil. Installed pump and pumped 75 barrels of load oil during first 24 hours. Well decreased immediately to \_\_\_\_\_ Depth Cleaned Out \_\_\_\_\_ 2 barrels per day and decreased further to negligible amounts.

**RECORD OF DRILL-STEM AND SPECIAL TESTS**

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

**TOOLS USED**

Rotary tools were used from..... 0 .....feet to..... 1406 .....feet, and from.....feet to.....feet.  
 Cable tools were used from.....feet to.....feet, and from.....feet to.....feet.

**PRODUCTION**

Put to Producing....., 19.....

**OIL WELL:** The production during the first 24 hours was.....barrels of liquid of which.....% was  
 was oil; .....% was emulsion; .....% water; and.....% was sediment. A.P.I.  
 Gravity.....

**GAS WELL:** The production during the first 24 hours was.....M.C.F. plus.....barrels of  
 liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

**PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):**

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.....	T. Devonian.....	T. Ojo Alamo.....	
T. Salt.....	T. Silurian.....	T. Kirtland-Fruitland.....	
B. Salt.....	T. Montoya.....	T. Farmington.....	
T. Yates.....	T. Simpson.....	T. Pictured Cliffs.....	
T. 7 Rivers.....	T. McKee.....	T. Menefee.....	
T. Queen.....	T. Ellenburger.....	T. Point Lookout.....	
T. Grayburg.....	T. Gr. Wash.....	T. Mancos..... <u>On Surface</u>	
T. San Andres.....	T. Granite.....	T. Dakota.....	
T. Glorieta.....	T. ....	T. Morrison.....	
T. Drinkard.....	T. ....	T. Penn.....	
T. Tubbs.....	T. ....	T. Gallup 1200.....	
T. Abo.....	T. ....	T. ....	
T. Penn.....	T. ....	T. ....	
T. Miss.....	T. ....	T. ....	

**FORMATION RECORD**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0 to	1200	1200	Mancos shale; Black silty shale with thin fine grained sandstone beds.				
1200	1386	186	Gallup formation; Lt. gray, fine-grained sandstone beds with black silty shale beds.				
1386	1406	20	Black silty Mancos shale.				

STATE OF NEW MEXICO	
OIL CONSERVATION COMMISSION	
AZTEC DISTRICT OFFICE	
NUMBER OF COPIES RECEIVED	5
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
PRODUCTION OFFICE	G.S.
OPERATOR	

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

July 29, 1960 (Date)

Company or Operator..... Carter & Mandel Co. ..... Address 410 Lubbock National Building  
 Name..... [Signature] ..... Lubbock, Texas

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	X
NOTICE OF INTENTION TO DEEPEN WELL			

Farmington, N. M.

July 29, 1960

Place

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the \_\_\_\_\_  
Carter & Mandel Co. Northeast Hogback State Well No. 1 in NE NE  
Company or Operator Lease  
of Sec. 16, T. 30N, R. 16W, N. M. P. M., Undes. Gallup Field.  
San Juan County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

It is intended to plug the above well in the following manner:

(The 4 1/2", 9.5 lb. casing which is from the surface to T.D. of 1406' is cemented from top to bottom and will not be pulled.)

Set a cement plug from 1190' to 1403 (P.B.T.D.) with 20 sacks of type I cement.

Set a cement plug from surface to 10' with 1 sack of type I cement.

Set a 4' steel marker in the surface plug.

Clean and level the location.

Approved AUG 1 1960 8-4 1960  
except at follows:

Carter & Mandel Co.  
Company or Operator

By A. F. Roberts, Jr. Agent

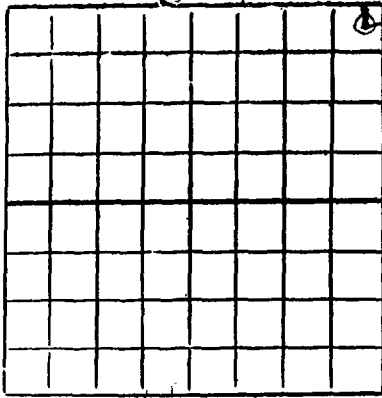
07 6 W 8 90W Position

Send communications regarding well to

OIL CONSERVATION COMMISSION

By [Signature]  
Title [Signature]

Name A. F. Roberts, Jr.  
Address 705 Citizens National Bank Building  
Abilene, Texas



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

**WELL RECORD**

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE**. If State Land submit 6 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Carter & Mandel Company

NE Hogback - State

(Company or Operator)

(Lease)

Well No. 18, in NE  $\frac{1}{4}$  of NE  $\frac{1}{4}$ , of Sec. 16, T. 30 N, R. 16 W, NMPM.

Horseshoe Canyon Pool, San Juan County.

Well is 330 feet from East line and 365 feet from North line

of Section 16. If State Land the Oil and Gas Lease No. is E-9991 (Gulf # 8-00019-00).

Drilling Commenced May 6th, 1959. Drilling was Completed June 1, 1959

Name of Drilling Contractor Graystone Drilling Co.

Address Dallas Texas

Elevation above sea level at Top of Tubing Head 5324. The information given is to be kept confidential until \_\_\_\_\_, 19\_\_\_\_.

**OIL SANDS OR ZONES**

No. 1, from 1200 to 1222 No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from 1236 to 1250 No. 5, from \_\_\_\_\_ to \_\_\_\_\_

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

**IMPORTANT WATER SANDS**

Include data on rate of water inflow and elevation to which water rose in hole.

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

No. 2, from N to \_\_\_\_\_ feet.

No. 3, from N E to \_\_\_\_\_ feet.

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

**CASING RECORD**

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
<u>7 5/8</u>	<u>24#</u>	<u>New</u>	<u>44</u>	<u>Baker</u>			<u>Surface</u>
<u>4-1/2</u>	<u>9.50</u>	<u>"</u>	<u>1406</u>	<u>"</u>			<u>oil string</u>

**MUDDING AND CEMENTING RECORD**

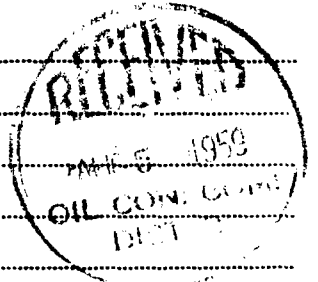
SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>8-3/4</u>	<u>7/5/8</u>	<u>44'</u>	<u>10</u>	<u>Cir.</u>		<u>None</u>
<u>6 1/2</u>	<u>4 1/2</u>	<u>1406</u>	<u>175</u>	<u>Circulated</u>	<u>None</u>	<u>None</u>

**RECORD OF PRODUCTION AND STIMULATION**

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Sand oil Fract with 38,000 Gallons Oil 18,000 Lbs of sand.

Result of Production Stimulation After recovery of fract oil - 5 bbls per day.



Depth Cleaned Out 1403



**RECORD OF DRILL-STEM AND SPECIAL TESTS**

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

**TOOLS USED**

Rotary tools were used from 0 feet to 1406 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

**PRODUCTION**

Put to Producing \_\_\_\_\_, 19\_\_\_\_.

**OIL WELL:** The production during the first 24 hours was 5 barrels of liquid of which 100 % was oil; no % was emulsion; no % water; and none % was sediment. A.P.I. Gravity 42.

**GAS WELL:** The production during the first 24 hours was \_\_\_\_\_ M.C.F. plus \_\_\_\_\_ barrels of liquid Hydrocarbon. Shut in Pressure \_\_\_\_\_ lbs.

Length of Time Shut in \_\_\_\_\_

**PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):**

**Southeastern New Mexico**

**Northwestern New Mexico**

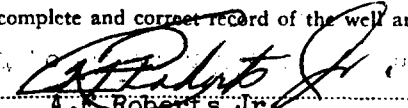
- |                    |                     |                            |
|--------------------|---------------------|----------------------------|
| T. Anhy.....       | T. Devonian.....    | T. Ojo Alamo.....          |
| T. Salt.....       | T. Silurian.....    | T. Kirtland-Fruitland..... |
| B. Salt.....       | T. Montoya.....     | T. Farmington.....         |
| T. Yates.....      | T. Simpson.....     | T. Pictured Cliffs.....    |
| T. 7 Rivers.....   | T. McKee.....       | T. Menefee.....            |
| T. Queen.....      | T. Ellenburger..... | T. Point Lookout.....      |
| T. Grayburg.....   | T. Gr. Wash.....    | T. Mancos.....             |
| T. San Andres..... | T. Granite.....     | T. Dakota.....             |
| T. Glorieta.....   | T. ....             | T. Morrison.....           |
| T. Drinkard.....   | T. ....             | T. Penn.....               |
| T. Tubbs.....      | T. ....             | T. Gallup----- 1200'       |
| T. Abo.....        | T. ....             | T. ....                    |
| T. Penn.....       | T. ....             | T. ....                    |
| T. Miss.....       | T. ....             | T. ....                    |

**FORMATION RECORD**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	120	120	Shale & Sandy shale				
120	420	300	Shale				
420	750	330	Sandy Shale				
750	990	240	Shale				
990	1200	210	Sandy shale				
1200	1222	22	Sand ( oil or Gas)				
1222	1236	14	Sandy shale				
1236	1250	14	Sand ( oil or Gas)				
1250	1345	95	Sandy shale				
1345	1385	40	sandy shale				
1385	1406	21	Shale.				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

  
 A.P. Roberts Jr. (Date) \_\_\_\_\_

Company or Operator Carter & Mandel Co. Address 907 Hallett Circle - Farmington New Mex.  
 Name \_\_\_\_\_ Position Title Agent.

NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission. If State Land submit 6 Copies Attach Form C- 128 in triplicate to first 3 copies of form C-101

San Juan County New Mex.

5/4/59

(Place)

(Date)

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Gentlemen:

You are hereby notified that it is our intention to commence the Drilling of a well to be known as

~~Charles S. Garber Et Al~~

*Cartier + Mandell Co*

(Company or Operator)

NE Hogback State Of New Mex

Well No. 1

40 acre

The well is

(Lease)

(Unit)

located 330' feet from the East line and 365' feet from the

North

line of Section 16, T. 30N, R. 16 W, NMPM.

(GIVE LOCATION FROM SECTION LINE) Horseshoe Gallup Ext. Pool, San Juan County County

If State Land the Oil and Gas Lease is No. E-9991

If patented land the owner is

Address

We propose to drill well with drilling equipment as follows: Drill and Complete With Failing, Using air as circulating Medium

The status of plugging bond is

Drilling Contractor Graystone Drilling Co  
Dallas Texas

We intend to complete this well in the Gallup

formation at an approximate depth of 1400 feet.

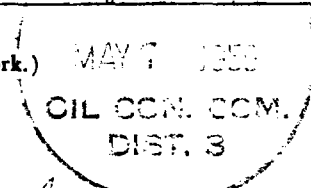
CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
8 3/4	7 5/8	24#	New	44'	Circulate
6 1/4	4 1/2	9.5#	New	1,372	50 Sacks

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)



MAY 6 1959

Approved \_\_\_\_\_, 19\_\_\_\_

Except as follows:

OIL CONSERVATION COMMISSION

By *A. R. Kendrick*

Sincerely yours, *Cartier + Mandell Co.*

~~Charles S. Garber~~

(Company or Operator)

By *[Signature]*

Position Agent

Send Communications regarding well to

Name

Address

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

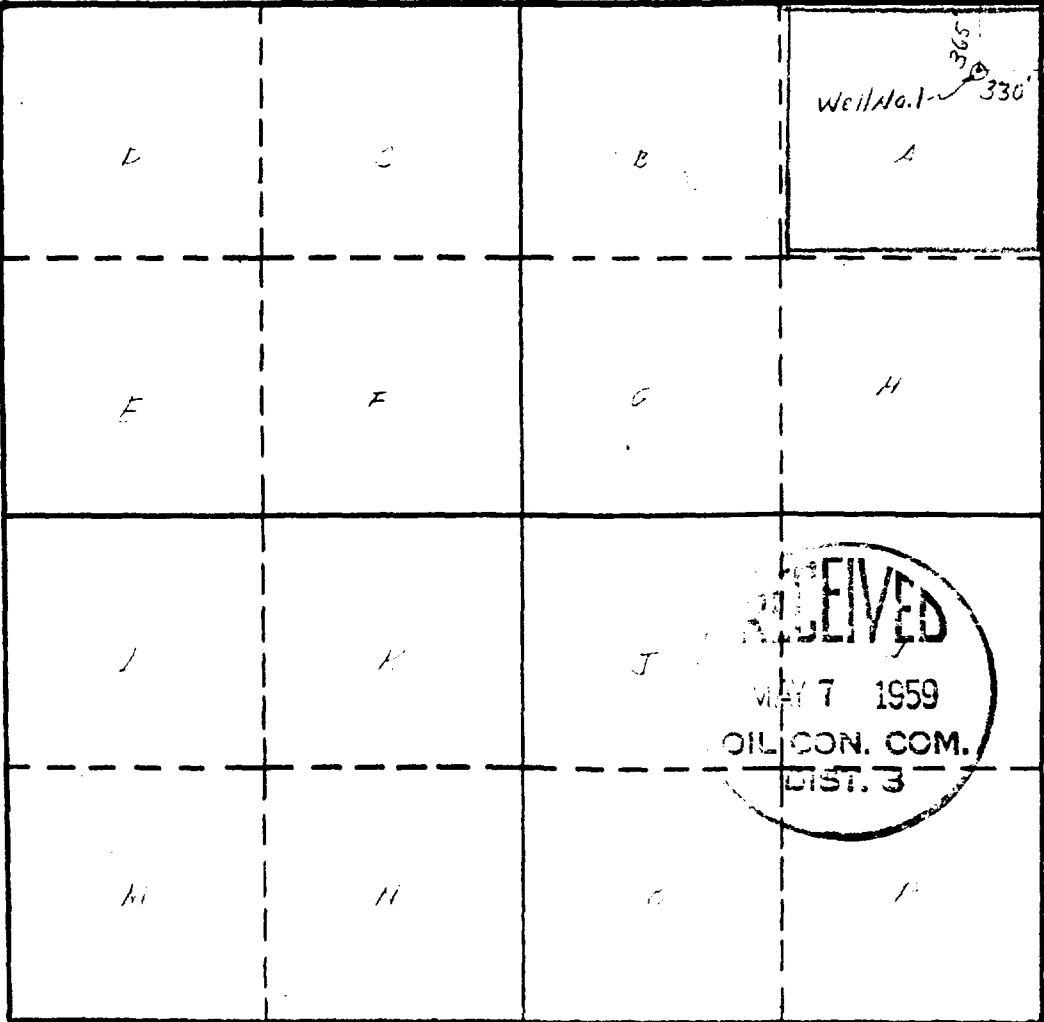
Section A. Carters mandel Co Date May 5, 1959

Operator ~~Carters mandel Co~~ Lease Northeast Hogback State of New Mexico  
 Well No. 1 Unit Letter A Section 10 Township 30 N Range 10 W NMPM  
 Located 365 Feet From North Line, 330 Feet From East Line  
 County San Juan G. L. Elevation 5319 Dedicated Acreage 40 Acres  
 Name of Producing Formation Gallup Pool Horseshoe 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 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:

<u>Owner</u>	<u>Land Description</u>

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.

Charles J. Carter  
 (Operator)  
Robert J. ...  
 (Representative)  
907 Hallett Circle  
 Address  
Harrisonville, Mo.

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

Date Surveyed April 10, 1959  
E. J. Pata  
 Registered Professional Engineer and Land Surveyor

Certificate No. 1234

Petroleum Information  
Corporation  
GEO-FICHE™

30N-16W-16- 01 (NE NE)  
NEW MEXICO NM

WELL: ST OF NM HOGSBACK 1  
OPER: CARTER & MANDEL  
CNTY: SAN JUAN

API: 30-045-09592  
ISSUE: A07/86  
CARD: 1

