

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P.O. BOX 208  
SANTA FE, NEW MEXICO 87501

Form C-105  
Revised 10-1-78

NO. OF COPIES RECEIVED	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.G.S.	<input checked="" type="checkbox"/>
LAND OFFICE	<input checked="" type="checkbox"/>
OPERATOR	<input checked="" type="checkbox"/>

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

**RECEIVED**  
**MAR 11 1983**  
**O.C.D.**  
**ARTESIA, OFFICE**

5a. Indicate Type of Lease  
State ☒ Fee ☐

5. State Oil & Gas Lease No.  
E-8560

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

7. Unit Agreement Name

-

8. Farm or Lease Name  
Amoco Supron Mesa

9. Well No.  
2

10. Field and Pool, or Wildcat  
Und. Bunker Hill Penrose

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

12. County  
Eddy

19. Elev. Casinghead  
-

1a. TYPE OF WELL Oil  
b. TYPE OF COMPLETION WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐  
NEW WORK WELL ☒ OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator  
Read & Stevens, Inc. ☒

3. Address of Operator  
P.O. Box 1518, Roswell, NM 88201

4. Location of Well  
UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM  
THE West LINE OF SEC. 13 TWP. 16S RGE. 31E NMPM

15. Date Spudded 2-13-83 16. Date T.D. Reached 2-19-83 17. Date Comp. (Ready to Prod.) 3-8-83 18. Elevations (DF, RKB, RT, GR, etc.) 4393.9' GR

20. Total Depth 4250' 21. Plug Back T.D. 4218' 22. If Multiple Compl., How Many - 23. Intervals Rotary Tools Cable Tools  
Drilled By 0-4250' -

24. Producing Interval(s), of this completion-Top, Bottom, Name  
3612'-3633' Penrose

25. Was Directional Survey  
Made  
No

26. Type Electric and Other Logs Run  
CDL, CNL & GR

27. Was Well Cored  
No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1263'	12 1/4"	350sx HLC w/1/4# flocele & 2% CaCl <sub>2</sub>	None
				200sx Class "C" w/2% CaCl <sub>2</sub>	
5 1/2"	17#	4250'	7 7/8"	220sx HLC w/.2% Halad-4, 5# gill & 6# salt	
				360sx 50/50 Poz "C" w/.2% Halad-4, 6# salt	

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	3604' RKB	3573' SN

31. Perforation Record (Interval, size and number) 3612'-3633', 21', 42 holes.				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED		
				3612'-3633'	1000gals 15% MCA Acid, 20,000gals		
					gild wtr, 10,000gals CO <sub>2</sub> w/24,000#		
					10-20sd & 30,000# 8-16sd.		

33. PRODUCTION							
Date First Production 3-4-83		Production Method (Flowing, gas lift, pumping-Size and type pump) Pumping 2"X1 1/2"X16' RWBC				Well Status (Prod. or Shut-In) Producing	
Date of Test 3-8-83	Hours Tested 24	Choke Size -	Prod'n For Test Period	Oil-Bbl. 16	Gas-MCF -	Water-Bbl. 6	Gas-Oil Ratio -
Flow Tubing Press. -	Casing Pressure -	Calculated 24-Hour Rate -	Oil-Bbl. 16	Gas-MCF -	Water Bbl. 6	Oil Gravity-API (Corr.) -	

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

Test Witnessed By  
Dan Lough

35. List of Attachments  
Copy of log & deviation survey.

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 B. Stubb TITLE Drilling & Production Manager DATE 3-10-83

7

## Southeastern New Mexico

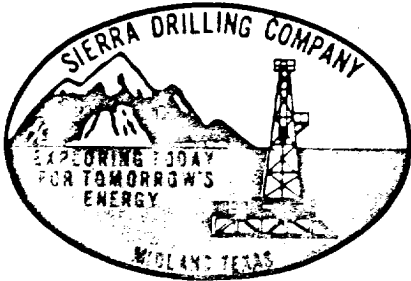
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen 3332'	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	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. Penrose Pay 3608'	T. Chinle	T.
T. Penn.	T. Premier 4046'	T. Permian	T.
T. Cisco(BoughC)	T.	T. Penn "A"	T.

No. 1, from.....to..... No. 4, from.....to.....  
No. 2, from.....to..... No. 5, from.....to.....  
No. 3, from.....to..... No. 6, from.....to.....

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

o.1, from.....to.....feet.....  
o.2, from.....to.....feet.....  
o.3, from.....to.....feet.....  
o.4, from.....to.....feet.....

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	3332'	3332'	Redbeds, anhy & sandstone.				
3332'	3608'	276'	Gyp, anhy, sandstone & silt.				
3608'	4250'	642'	Gyp, sandstone, anhy, limestone & dolo.				



Donald L. Wallace  
President

# SIERRA DRILLING COMPANY

P. O. Box 2681

Midland, Texas 79702

(915) 563-3477

March 4, 1983

RECEIVED  
MAR 11 1983

O. C. D.  
ARTESIA, OFFICE

Read & Stevens, Inc. ✓  
P. O. Box 1518  
Roswell, NM 88201

Re: Amoco Supron Mesa No. 2

Gentlemen:

The following is a Deviation Survey of the above referenced well located in Eddy County, New Mexico.

241' -  $3/4^\circ$   
765' -  $1/2^\circ$   
1263' -  $1^\circ$   
1507' -  $1^\circ$   
2569' -  $1/2^\circ$   
3071' -  $1 1/2^\circ$   
3573' -  $1^\circ$   
4107' -  $3/4^\circ$

Sincerely,

SIERRA DRILLING COMPANY

*Lonny D. Warren*

Lonny D. Warren  
Controller

STATE OF TEXAS     )  
                              )  
COUNTY OF MIDLAND )

The foregoing was acknowledged before me this 4th day of March, 1983.

*Milly Wilson*  
Notary Public



Milly Wilson  
Notary Public, State of Texas  
My Commission Expires 12/23/85

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LAND OFFICE			
OPERATOR		✓	

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Form C-103  
Revised 10-1-78

O. C. D.  
ARTESIA, OFFICE

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
E-8560	
XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX	
7. Unit Agreement Name	
-	
8. Farm or Lease Name	
Amoco Supron Mesa	
9. Well No.	
2	
10. Field and Pool, or Wildcat	
Und. Bunker Hill Penrose	
XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX	
12. County	XXXXXXXXXXXXXXXXXXXX
Eddy	XXXXXXXXXXXXXXXXXXXX

(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-1011 FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator  
Read & Stevens, Inc.

3. Address of Operator  
P.O. Box 1518, Roswell, NM 88201

4. Location of Well

UNIT LETTER C 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE. SECTION 13 TOWNSHIP 16S RANGE 31E NMPM

XXXXXXXXXXXXXXXXXXXXXXXXXXXX	5. Elevation(Show whether DF,RT,GR,etc.)
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	4393.9' GR

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"/>
TEMPORARILY ABANDON	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
OTHER	<input type="checkbox"/>		<input type="checkbox"/>

REMEDIAL WORK		ALTERING CASING	
COMMENCE DRILLING OPNS.		PLUG AND ABANDONMENT	
CASING TEST AND CEMENT JOB	X		
OTHER <u>Acidize, fracture &amp; ran tbq.</u>			X

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.

2-21-83 Ran 116jts, 4238', 5 1/2"-J-55, ST&C 17# csg, set @ 4250', latch collar @ 4218', cmt w/220sx HLC w/.2% Halad-4, 5# gll, 6# salt, tail-in w/360sx 50/50 poz "C" w/.2% Halad-4 & 6# salt. PD @ 12:45pm 2-20-83, release Rig @ 3:00pm 2-20-83.

2-22-83 18hrs WOC.

2-24-83 RUCU test csg @ 2000psi for 30min, tested satisfactory. Perf 3612'-3633', 2 shots/'. Acidize w/1000gals 15% MCA acid w/ballsealers.

2-25-83 TOC @ 2100', acid job-formation broke @ 3300psi, max press 2200psi, min press 1800psi, avg press 2062psi, avg rate 3.6 BPM, ISIP 1000psi, 5min 600psi, 10min 400psi, 35 BLTR. Frac w/20,000gal glid wtr, 10,000gal CO<sub>2</sub> w/24,000# 10-20sd & 30,000# 8-16sd, max press 3000psi, min press 1720psi, avg press 2000psi, avg rate 20 BPM, ISIP 2950psi, 5min 2190psi, 10min 1910psi, 15min 1750psi.

2-26-83 Ran 62 stds 2 3/8" tbg, SN & perf sub, total 3592.93', ran 143-3/4" rods, 2"X1 1/2"X16' RWBC pump. Tbg set @ 3604.93'.

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

SIGNED B. Stubble TITLE Drilling & Production Manager DATE 3-3-83

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

TITLE Leslie A. Clements  
Supervisor District II

DATE MAR 08 1983

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION **RECEIVED**  
P.O. Box 2088  
SANTA FE, NEW MEXICO 87501

**FEB 17 1983**

**O. C. D.**  
**ARTESIA, OFFICE**

Form C-103  
Revised 10-1-78

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>	
5. State Oil & Gas Lease No.  E-8560	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
7. Unit Agreement Name  -	
8. Farm or Lease Name Amoco Supron Mesa	
9. Well No. 2	
10. Field and Pool, or Wildcat Und. Bunker Hill Penrose	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
12. County Eddy	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX

**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-1011 FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	OTHER <input type="checkbox"/>
2. Name of Operator Read & Stevens, Inc.		
3. Address of Operator P.O. Box 1518, Roswell, NM 88201		
4. Location of Well  UNIT LETTER <u>C</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE. SECTION <u>13</u> TOWNSHIP <u>16S</u> RANGE <u>31E</u> NMPM		

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	5. Elevation (Show whether DF, RT, GR, etc.) 4393.9' GR
--------------------------------------	--

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK	<input type="checkbox"/>	PLUG AND ABANDON	<input type="checkbox"/>
TEMPORARILY ABANDON	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		
OTHER	<input type="checkbox"/>		

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
COMMENCE DRILLING OPNS.	<input checked="" type="checkbox"/>	PLUG AND ABANDONMENT	<input type="checkbox"/>
CASING TEST AND CEMENT JOB	<input checked="" type="checkbox"/>		
OTHER	<input type="checkbox"/>		

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.

2-14-83 Spud 12 1/4" hole @ 10:30pm 2-13-83.

2-15-83 TD 12 1/4" hole @ 6:00 pm 2-14-83 @ 1263'. Ran 29jts, 1251', 8 5/8"-24# ST&C J-55 set @ 1263', Insert float @ 1218', cmt w/350sx HLC w/1/4# flocele, 2% CaCl<sub>2</sub> tail-in w/200sx Class "C" w/2% CaCl<sub>2</sub> circ 50sx, PD @ 4:00 am 2-15-83.

2-16-83 18hrs WOC. Tested BOP, csg & ch @ 1000psi for 30min tested satisfactory.

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

SIGNED B. Hobbs TITLE Drilling & Production Manager DATE 2-16-83

APPROVED BY \_\_\_\_\_ TITLE Original Signed By  
Leslie A. Clements  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Supervisor District II DATE FEB 18 1983

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

30-015-24365  
Form C-101  
Revised 1-1-65

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PERATOR	<input checked="" type="checkbox"/>

RECEIVED

DEC 30 1982

O. C. D.  
ARTESIA, OFFICE

5A. Indicate Type of Lease  
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.  
E-8560

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

7. Unit Agreement Name

8. Farm or Lease Name  
Amoco Supron Mesa

9. Well No.  
2

10. Field and Pool, or Wildcat  
Und. Bunker Hill Penrose

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

12. County  
Eddy

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

2. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐  
OTHER ☐

Name of Operator  
Read & Stevens, Inc.

Address of Operator  
P.O. Box 1518, Roswell, NM 88201

Location of Well  
UNIT LETTER C LOCATED 660 FEET FROM THE North LINE  
1980 FEET FROM THE West LINE OF SEC. 13 TWP. 16S RGE. 31E NMPM

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

19. Proposed Depth 4250'  
19A. Formation Penrose  
20. Rotary or C.T. Rotary

Elevations (Show whether DF, RT, etc.) 4393.9' GR  
21A. Kind & Status Plug, Bond Statewide  
21B. Drilling Contractor Sierra Drilg. Co. Rig #5  
22. Approx. Date Work will start February 15, 1983

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8 5/8"	24#	1300'	500sx	Circ.
7 7/8"	4 1/2"	10.5#	4250'	600sx	3000'

We propose to drill and test the Penrose Sand formation. Approximately 1300' of 8 5/8" surface casing will be set to protect fresh water sands. Cement will be circulated. If the well is commercial, 4 1/2" production casing will be run and cemented to cover the pay zone with at least 600' of cement.

Mud Program: Native mud to 1300', brine 1300' to 3500', brine and starch 3500' to TD.

BOP Program: One 11" 5000psi WP Shaffer Type "LWS" Hydraulic operated, double BOP w/NL-Shaffer D05040-3S BOP control unit with 40 gal capacity.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 7-4-83  
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNED B. Stobbs TITLE Drilling & Production Manager DATE December 28, 1982

(This space for State Use)

APPROVED BY Mike Walker TITLE OIL AND GAS INSPECTOR DATE JAN 04 1983  
CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

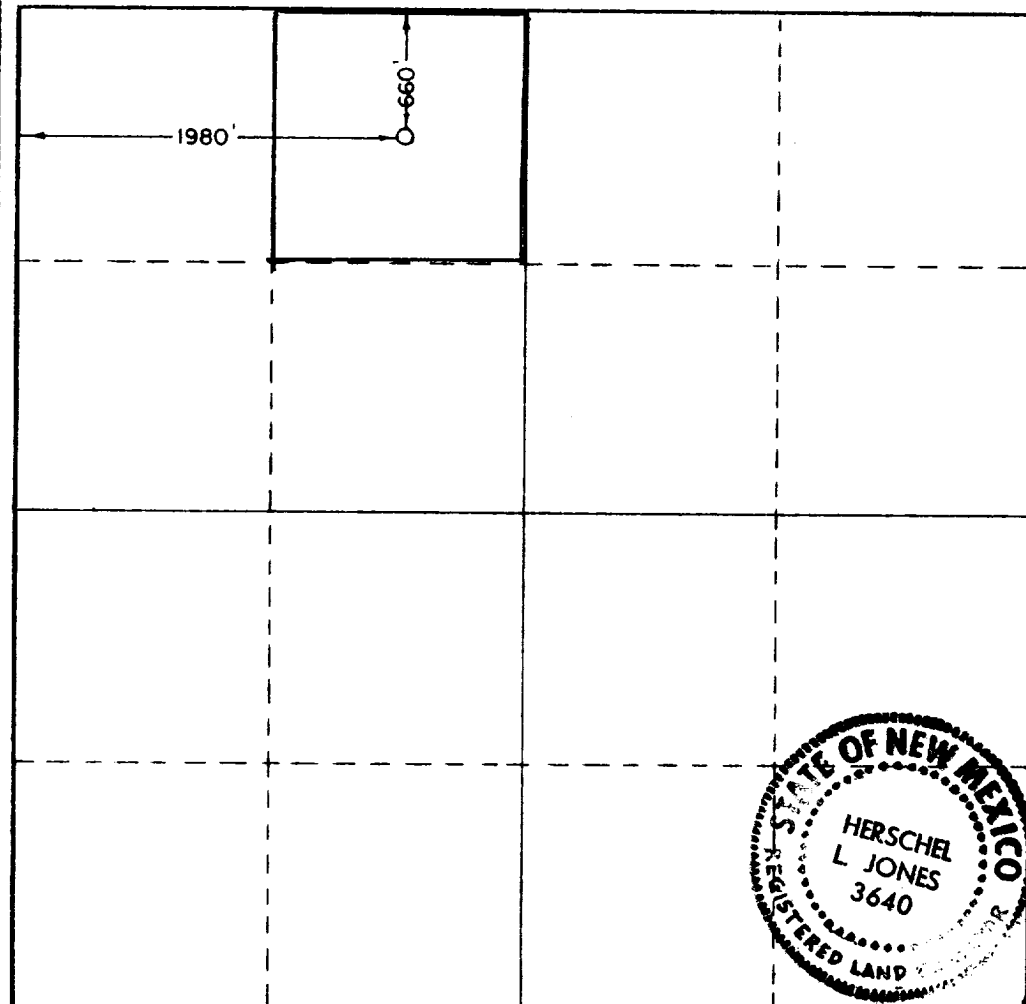
Operator <b>READ &amp; STEVENS INCORPORATED</b>			Lease <b>AMOCO SUPRON MESA</b>			Well No. <b>2</b>
Unit Letter <b>C</b>	Section <b>13</b>	Township <b>16 South</b>	Range <b>31 East</b>	County <b>Lea</b>		
Actual Footage Location of Well:						
<b>660</b>		feet from the <b>North</b>		<b>1980</b>		feet from the <b>West</b>
Ground Level Elev. <b>4393.9'</b>	Producing Formation <b>Penrose</b>		Pool <b>Und. Bunker Hill Penrose</b>		Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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 Commission.



CERTIFICATION

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

*Susie Russell*

Name  
**Susie Russell**

Position  
**Authorized Agent**

Company  
**Read & Stevens, Inc.**

Date  
**December 28, 1982**

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.

Date Surveyed  
**November 17, 1982**

Registered Professional Engineer and/or Land Surveyor  
*Herschel L Jones*

Certificate No.  
**3640**

