

State EV Com No. 1
Round Tank, Queenfield
Chaves County, New Mexico

1. Well Data:

a. 8 $\frac{5}{8}$ " casing set at 229' in 12 $\frac{1}{4}$ " hole
w/ 200 SX. Class C cement w/ 2% calcium
chloride -- cement came to within
15 ft. of surface. Filled to surface
w/ 5 cu. yds. Ready Mix. Tested to
1000 psi for 30 mins. OK.

b. Encountered air blow at 434' with
2-hr. shut-in pressure 165 psi bleeding
down to 25 psi 10 mins. when resume
drilling with rotating head. Air
blow persisted while drilling to total depth.

c. 5 $\frac{1}{2}$ " casing set at 1504' in 7 $\frac{7}{8}$ " hole w/
550 SX. Class C cement w/ 9.5 lbs. / SX.
salt -- cement did not circulate
but shut-off air blow. Opened up 11-22-77
after waiting on cement and found
annulus dead with no blow (some signs
of cement in valves). Checked annulus
2-13-78 with only slight puff, no blow.
Log caliper shows hole enlargement to
greater than 16". from casing seat at
229' to 350' so cement is likely
up to this void or even higher.

d. Perforated 1451'-1469' which resulted
in salt water flow after acidization at
14 bbls./hr., no shows of oil or gas.

Squeezed perforations below
retainer set at 1410' with 100 SX,
Class C cement at maximum pressure
600 psi, reversed out 7 SX.

e. Perforated 1250'-1270' and
encountered similar salt water
flow of 14 bbls./hr. without
stimulation. Squeezed perforations
below retainer set at 1190' with
100 SX, Class C cement to maximum
pressure 200 psi, reversed out 8 SX.
Drilled cement to 1250' after
waiting on cement and well started
flowing water. Shut in well.

2. Proposed Abandonment Procedure:

a. Squeeze perforations 1250'-1270'
below cement retainer set at
approximately 1180' with 100 SX,
Class C cement.

b. Fill hole with mud-laden
fluid.

c. Take head off to check for
cement in 5 1/2" - 8 5/8" annulus. If
necessary run 1" down the annulus
to spot cement and fill back up
into the surface casing.

d. Spot 10-sack surface plug
and erect abandonment marker.

e. This procedure was discussed with Mr. W. A. Gressett on a preliminary basis 2-13-78. Be sure to notify NMOCC Artesia office in advance so that a representative may witness the plugging work if desired.

RWR/
2-16-78

DLW 4010
Schlumberger

COMPENSATED NEUTRON FORMATION DENSITY

COUNTY _____ FIELD _____ LOCATION <u>S.O. #21955</u> WELL _____ COMPANY _____	COMPANY <u>Amoco Production Co.</u> WELL <u>STATE "EV" Com. #1</u> FIELD <u>UNDESIGNATED ROUND TANK QUEEN</u> COUNTY <u>CHAVES</u> STATE <u>NEW MEXICO</u>																																																																																																																											
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">LOCATION</td> <td colspan="3"><u>1980' ESL & 810' FEL</u></td> <td rowspan="2" style="width:20%;">Other Services: <u>DLI/MSFL</u></td> </tr> <tr> <td>API SERIAL NO.</td> <td style="width:10%;">SEC.</td> <td style="width:10%;">TWP.</td> <td style="width:10%;">RANGE</td> </tr> <tr> <td></td> <td><u>26</u></td> <td><u>15-S</u></td> <td><u>28-E</u></td> <td></td> </tr> </table>	LOCATION	<u>1980' ESL & 810' FEL</u>			Other Services: <u>DLI/MSFL</u>	API SERIAL NO.	SEC.	TWP.	RANGE		<u>26</u>	<u>15-S</u>	<u>28-E</u>																																																																																																														
LOCATION	<u>1980' ESL & 810' FEL</u>			Other Services: <u>DLI/MSFL</u>																																																																																																																								
API SERIAL NO.	SEC.	TWP.	RANGE																																																																																																																									
	<u>26</u>	<u>15-S</u>	<u>28-E</u>																																																																																																																									
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">CENTERLINE OF 2"</td> <td rowspan="3" style="width:20%;">Elev. <u>RDB. 3574</u> D.F. <u>—</u> G.L. <u>3560</u></td> </tr> <tr> <td colspan="2">Permanent Datum: <u>BRADENHEAD OUTLET</u>; Elev.: <u>3560</u></td> </tr> <tr> <td colspan="2">Log Measured From <u>RDB</u>, <u>14</u> Ft. Above Perm. Datum</td> </tr> <tr> <td colspan="2">Drilling Measured From <u>RDB</u></td> <td></td> </tr> </table>	CENTERLINE OF 2"		Elev. <u>RDB. 3574</u> D.F. <u>—</u> G.L. <u>3560</u>	Permanent Datum: <u>BRADENHEAD OUTLET</u> ; Elev.: <u>3560</u>		Log Measured From <u>RDB</u> , <u>14</u> Ft. Above Perm. Datum		Drilling Measured From <u>RDB</u>																																																																																																																			
CENTERLINE OF 2"		Elev. <u>RDB. 3574</u> D.F. <u>—</u> G.L. <u>3560</u>																																																																																																																										
Permanent Datum: <u>BRADENHEAD OUTLET</u> ; Elev.: <u>3560</u>																																																																																																																												
Log Measured From <u>RDB</u> , <u>14</u> Ft. Above Perm. Datum																																																																																																																												
Drilling Measured From <u>RDB</u>																																																																																																																												
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">Date</td> <td colspan="4"><u>11-21-77</u></td> </tr> <tr> <td>Run No.</td> <td colspan="4"><u>ONE</u></td> </tr> <tr> <td>Depth—Driller</td> <td colspan="4"><u>1500</u></td> </tr> <tr> <td>Depth—Logger</td> <td colspan="4"><u>1501</u></td> </tr> <tr> <td>Btm. Log Interval</td> <td colspan="4"><u>1500</u></td> </tr> <tr> <td>Top Log Interval</td> <td colspan="4"><u>0</u></td> </tr> <tr> <td>Casing—Driller</td> <td><u>8 5/8 @ 229</u></td> <td>@</td> <td>@</td> <td>@</td> </tr> <tr> <td>Casing—Logger</td> <td colspan="4"><u>228</u></td> </tr> <tr> <td>Bit Size</td> <td colspan="4"><u>7 7/8</u></td> </tr> <tr> <td>Type Fluid in Hole</td> <td colspan="4"><u>BRINE</u></td> </tr> <tr> <td>Dens.</td> <td>Visc.</td> <td><u>10</u></td> <td><u>N.A.</u></td> <td></td> </tr> <tr> <td>pH</td> <td>Fluid Loss</td> <td><u>9.5</u></td> <td><u>N.A.</u> ml</td> <td>ml</td> </tr> <tr> <td colspan="5">Source of Sample <u>PIT</u></td> </tr> <tr> <td>Rm @ Meas. Temp.</td> <td><u>.060 @ 61 °F</u></td> <td>@</td> <td>°F</td> <td>@ °F</td> </tr> <tr> <td>Rmf @ Meas. Temp.</td> <td><u>.060 @ 61 °F</u></td> <td>@</td> <td>°F</td> <td>@ °F</td> </tr> <tr> <td>Rmc @ Meas. Temp.</td> <td><u>— @ — °F</u></td> <td>@</td> <td>°F</td> <td>@ °F</td> </tr> <tr> <td>Source: Rmf</td> <td>Rmc</td> <td><u>m</u></td> <td><u>—</u></td> <td></td> </tr> <tr> <td>Rm @ BHT</td> <td>@</td> <td>°F</td> <td>@</td> <td>°F</td> </tr> <tr> <td>TIME</td> <td colspan="4">Circulation Stopped <u>11-21: 0900</u></td> </tr> <tr> <td></td> <td colspan="4">Logger on Bottom <u>11-21: 1530</u></td> </tr> <tr> <td>Max. Rec. Temp.</td> <td colspan="4">°F</td> </tr> <tr> <td>Equip.</td> <td>Location</td> <td><u>7732</u></td> <td><u>HOBBS</u></td> <td></td> </tr> <tr> <td>Recorded By</td> <td colspan="4"><u>KEMPER</u></td> </tr> <tr> <td>Witnessed By Mr.</td> <td colspan="4"><u>D.L. WILLIAMS</u></td> </tr> </table>					Date	<u>11-21-77</u>				Run No.	<u>ONE</u>				Depth—Driller	<u>1500</u>				Depth—Logger	<u>1501</u>				Btm. Log Interval	<u>1500</u>				Top Log Interval	<u>0</u>				Casing—Driller	<u>8 5/8 @ 229</u>	@	@	@	Casing—Logger	<u>228</u>				Bit Size	<u>7 7/8</u>				Type Fluid in Hole	<u>BRINE</u>				Dens.	Visc.	<u>10</u>	<u>N.A.</u>		pH	Fluid Loss	<u>9.5</u>	<u>N.A.</u> ml	ml	Source of Sample <u>PIT</u>					Rm @ Meas. Temp.	<u>.060 @ 61 °F</u>	@	°F	@ °F	Rmf @ Meas. Temp.	<u>.060 @ 61 °F</u>	@	°F	@ °F	Rmc @ Meas. Temp.	<u>— @ — °F</u>	@	°F	@ °F	Source: Rmf	Rmc	<u>m</u>	<u>—</u>		Rm @ BHT	@	°F	@	°F	TIME	Circulation Stopped <u>11-21: 0900</u>					Logger on Bottom <u>11-21: 1530</u>				Max. Rec. Temp.	°F				Equip.	Location	<u>7732</u>	<u>HOBBS</u>		Recorded By	<u>KEMPER</u>				Witnessed By Mr.	<u>D.L. WILLIAMS</u>			
Date	<u>11-21-77</u>																																																																																																																											
Run No.	<u>ONE</u>																																																																																																																											
Depth—Driller	<u>1500</u>																																																																																																																											
Depth—Logger	<u>1501</u>																																																																																																																											
Btm. Log Interval	<u>1500</u>																																																																																																																											
Top Log Interval	<u>0</u>																																																																																																																											
Casing—Driller	<u>8 5/8 @ 229</u>	@	@	@																																																																																																																								
Casing—Logger	<u>228</u>																																																																																																																											
Bit Size	<u>7 7/8</u>																																																																																																																											
Type Fluid in Hole	<u>BRINE</u>																																																																																																																											
Dens.	Visc.	<u>10</u>	<u>N.A.</u>																																																																																																																									
pH	Fluid Loss	<u>9.5</u>	<u>N.A.</u> ml	ml																																																																																																																								
Source of Sample <u>PIT</u>																																																																																																																												
Rm @ Meas. Temp.	<u>.060 @ 61 °F</u>	@	°F	@ °F																																																																																																																								
Rmf @ Meas. Temp.	<u>.060 @ 61 °F</u>	@	°F	@ °F																																																																																																																								
Rmc @ Meas. Temp.	<u>— @ — °F</u>	@	°F	@ °F																																																																																																																								
Source: Rmf	Rmc	<u>m</u>	<u>—</u>																																																																																																																									
Rm @ BHT	@	°F	@	°F																																																																																																																								
TIME	Circulation Stopped <u>11-21: 0900</u>																																																																																																																											
	Logger on Bottom <u>11-21: 1530</u>																																																																																																																											
Max. Rec. Temp.	°F																																																																																																																											
Equip.	Location	<u>7732</u>	<u>HOBBS</u>																																																																																																																									
Recorded By	<u>KEMPER</u>																																																																																																																											
Witnessed By Mr.	<u>D.L. WILLIAMS</u>																																																																																																																											

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

