

NEW MEXICO OIL CONSERVATION COMMISSION
DRAWER DD
ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

Operator <u>Phoenix Resources Co.</u>		Lease <u>Garbner Draw Unit</u>		Well # <u>1</u>	
Location of Well	Unit <u>660N 1980W</u>	Section <u>20</u>	Township <u>19</u>	Range <u>21</u>	County <u>Eddy</u>
Drilling Contractor <u>And Orlyco</u>	Type of Equipment <u>Rotary Lariat 1-15-78</u>				
Surface Pipe - 13 3/8" CSG @ 60' - Filled w/ Redi-Mix					
* <u>APPROVED CASING PROGRAM</u>					
Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
<u>17"</u>	<u>13 3/8"</u>	<u>48</u>		<u>60'</u>	<u>Redymix</u>
<u>12 1/4"</u>	<u>8 5/8"</u>	<u>24+32</u>		<u>1700</u>	<u>1000 circ.</u>
<u>7 7/8"</u>	<u>4 1/2"</u>	<u>11.6</u>		<u>7800</u>	<u>500 sk.</u>
Casing Data:					
<u>Int</u> <u>42</u> joints of <u>8 5/8</u> inch <u>24</u> # Grade <u>K-55</u>					
<u>✓</u> (Approved) (Rejected)					
Inspected by <u>mw</u> date <u>2/24/78</u>					
Cementing Program					
Size of hole <u>12 1/4</u> Size of Casing <u>8 5/8</u> Sacks cement required <u>1150</u>					
Type of Shoe used <u>Guide Float collar</u> used <u>Insert</u> Btm 3 jts welded <u>Yes</u>					
TD of hole <u>1712</u> Set <u>1716</u> Feet of <u>8 5/8</u> Inch <u>24</u> # Grade <u>K-55</u>					
New-used csg. @ <u>1712'</u> with <u>200</u> sacks neat cement around shoe					
+ <u>550</u> sack <u>50/60 Poz III</u> additives <u>4% Benonite - 1/4 sk 60/sinite 1/4 sk Flocc - 2% CL</u>					
Plug down @ <u>12:25</u> (AM) (PM) Date <u>2/23/78</u>					
Cement circulated <u>No</u> No. of Sacks <u>—</u>					
Cemented by <u>Dowell</u> Witnessed by <u>MJ</u>					
Temp. Survey ran @ <u>7:30</u> (AM) (PM) Date <u>2/23/78</u> top cement @ <u>720'</u>					
Casing test @ <u>—</u> (AM) (PM) Date <u>—</u>					
Method Used <u>—</u> Witnessed by <u>—</u>					
Checked for shut off @ <u>—</u> (AM) (PM) Date <u>—</u>					
Method used <u>—</u> Witnessed by <u>—</u>					
Remarks: <u>2/23/78 Ran Temp Survey + found TOC @ 720' (2°-3° increase in heat) @ 1000'</u> <u>(found a 6°-8° increase in heat)</u>					
<u>Baskets + Centralizers @ 1st - 3rd - 5th Joint</u>					
<u>Lost Circ @ 135' Had Voids down 30-40' below 135'</u>					
<u>Formation - Real Ratty 450'-790' + Firm from 1577 down</u>					
<u>Last Drilling break @ 1484'</u>					

OVER

1st Stage - Tagged TOC @ 1025' - Pumped 100 sx Class 'C' w/ 4% CC 10:00 PM 2/23/78

2nd Stage - Tagged TOC @ 1025' - Pumped 60 sx 100 mesh / 20/40 Sand

3rd Stage - Tagged Fill @ 1115' - Pumped 10 sx 100 mesh / 20/40 Sand + 50 sx Class 'C' w/ 4% CC

4th Stage - Tagged TOC @ 1025' - Pumped 60 sx 100 mesh / 20/40 Sand + 50 sx Class 'C' w/ 4% CC + 10% Sand

5th Stage - Tagged TOC @ 1000' - Pumped 60 sx 100 mesh / 20/40 Sand - + 50 sx Class 'C' w/ 4% CC + 10% Sand ^{7:30 AM 2/24/78}

6th Stage - Tagged @ 640' - Pumped 50 sacks C 4% CC ~~50/50~~ 10% Sand 50/50 100 Mesh & 20-40 Sand

7th Stage - Tagged @ 640' - 100 Sacks Class C 2% CC 10% Sand 50/50 100 Mesh & 20-40 Sand

8th Stage - Tagged @ 498' - 50 Sacks Class C 3% CC 10% Sand Same as above

9th Stage - Tagged @ 472' - 50 Sacks Class C 3% CC 10% Sand Same as above

10th Stage - Tagged @ 364' - 50 Sacks Class C 3% CC 10% Sand Same as above

11th Stage - Tagged @ 288' - 50 Sacks Class C 3% CC 10% Sand Same as above

12th Stage - Tagged @ 160' - 6 yards Ready Mix

~~100~~ TOTAL 600 sx Cement - 225 sx Sand - 6 yds Ready Mix