

NEW MEXICO OIL CONSERVATION COMMISSION
DRAWER DD
ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

Operator <u>Monsanto Co.</u>		Lease <u>Low State</u>		Well # <u>1</u>	
Location of Well	Unit <u>F</u>	Section <u>36</u>	Township <u>21</u>	Range <u>23</u>	County <u>Eddy</u>
Drilling Contractor <u>Low Drilling Co.</u>		Type of Equipment <u>Rotary</u>			
<u>APPROVED CASING PROGRAM</u> 9400 monow approved 7-8-64					
Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
<u>17 1/2</u>	<u>13 3/8</u>	<u>48</u>	<u>New</u>	<u>335</u>	<u>325</u>
<u>12 1/4</u>	<u>9 5/8</u>	<u>36</u>	<u>"</u>	<u>1800</u>	<u>625</u>
<u>5 1/2</u>	<u>5 1/2</u>	<u>15.5 + 17</u>	<u>"</u>	<u>9400</u>	<u>425</u>
Casing Data:					
Surface <u>57</u> joints of <u>9 5/8</u> inch <u>36</u> # Grade <u>New J-S made in Japan</u> (Approved) (Rejected)					
Inspected by _____ date <u>7-15-64</u>					
Cementing Program					
Size of hole <u>12 1/4</u> Size of Casing <u>9 5/8</u> Sacks cement required _____					
Type of Shoe used <u>Guide Float</u> collar used <u>Insert</u> Btm 3 jts welded <u>✓</u>					
TD of hole <u>1800</u> Set <u>1783.3</u> Feet of <u>9 5/8</u> Inch <u>36</u> # Grade <u>J</u>					
New-used csg. @ <u>17.98</u> with <u>2</u> sacks neat cement around shoe + _____ sacks additives <u>OVER</u>					
Plug down @ <u>10:20</u> (AM) (PM) Date <u>7-18-64</u>					
Cement circulated <u>No</u> No. of Sacks _____					
Cemented by <u>B J</u> Witnessed by <u>H. L. Starnes</u>					
Temp. Survey ran @ <u>7</u> (AM) (PM) Date <u>7-19</u> top cement @ <u>625</u>					
Casing test @ _____ (AM) (PM) Date _____					
Method Used _____ Witnessed by _____					
Checked for shut off @ <u>1:05</u> (AM) (PM) Date <u>7-20-64</u>					
Method used <u>Pressure Test</u> Witnessed by <u>H. L. Starnes</u>					
Remarks: <u>Water at drill out under surface pipe and increasing 600 to 800 feet. Porosity at 1090, not known if water bearing. Fair volume of water but did not cause pits to run over. Quality, first water good, seemed to get more sulphur deeper, however samples did not have the odor of sulphur.</u>					

Pipe down at 8:30 AM 7-18-64 centralize on 15th, 4th and 10th joints, cement basket at 24th joint 1065'.

They had brought Lite wate cement from Hobbs. I told their engineer that we do not use Lite wate in the basin. After a conference with the cementers we determined with proper mixing the Lite Wate would have a 24 hr compressive strength of 840 # which would increase with time. I felt that likely most of this cement would go to the lost circulation zones and would not circulate and we could run better cement above.

AT 11:30 PM, pumped plug down on 625 sac Lite wate 12 1/2 # gibbsite 1/4 # S.C. cube per sac with 110 sac incor 2% gel 2% CaCl. No Circulation.

7-19-64

AT 7:30 AM Bennett Wire line service completed Temperature survey, showed cement top at about 625'.

Ran 3/4" to 658' at 9:15 AM, cement tagged at 663'. Pumped 100 sac incor 2% CaCl, down at 10:30 AM no returns.

AT 3:00 ran 566' 1", tagged cement at 587 feet, pumped 30 sac Incor 2% CaCl, Cement flash set in pipe. Recovered 3 jts. of 1".

Ran 3/4" to 504', tagged cement at 517'. Pumped 100 sac incor 2% CaCl, no returns. Tubing stuck, recovered 2 joints bottom 10' water wet.

Ran 3/4" to 259', tagged cement at 270'. Pumped 100 sacs incor. Water circulated immediately cement circulated 8:55 PM