

NEW MEXICO OIL CONSERVATION COMMISSION
DRAWER DD
ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

Operator <i>Hemagon Petr. Corp.</i>		Lease <i>Catchlaw Draw Unit</i>		Well # <i>1</i>	
Location of Well	F Unit <i>2310 W</i>	Section <i>26</i>	Township <i>71</i>	Range <i>25</i>	County <i>Eddy</i>
Drilling Contractor	<i>Fred Pool Ct.</i>		Type of Equipment <i>Fred Pool Ct to 600</i>		
		<i>Moran Drilling Co.</i>		<i>Moran Drilling Co. Ret.</i>	

APPROVED CASING PROGRAM *approved 1-26-71*

Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
<i>16"</i>	<i>13 3/8"</i>	<i>48 #</i>		<i>600</i>	<i>325 line.</i>
<i>12 1/4"</i>	<i>8 7/8"</i>	<i>24+32 #</i>		<i>2600</i>	<i>1100 line.</i>
<i>7 7/8"</i>	<i>4 1/2"</i>	<i>10.5+11.6</i>		<i>10800</i>	<i>450</i>

Casing Data:

Surface ⁴⁴/₁₃ joints of ²⁴/₃₃ *8 5/8* inch # *33* Grade *J 55*
(Approved) (Rejected)

Inspected by _____ date _____

Cementing Program

Size of hole ^{10 1/4 - 11 1/4}/₂₅₈₂ Size of Casing *8 7/8* Sacks cement required _____

Type of Shoe used *Vegas* Float collar used *inset* Btm 3 jts welded *Third line*

TD of hole *2582* Set _____ Feet of *8 7/8* inch ⁴⁴/₃₃ # Grade *J*

New-used csg. @ *10* with *150* sacks neat cement around shoe C *6% CoCl₂*

+ *800* sax *C 50-50 pot* additives *4 # gel, 10 # gel, 8 # salt, 1/4 # Thule 28 CoCl₂*

Plug down @ *452* (AM) (PM) Date *2-24-71*

Cement circulated *No* No. of Sacks _____

Cemented by *Hellbaker* (Norton) Witnessed by *Stamets*

Temp. Survey ran @ *11* (AM) (PM) Date *2-24-71* top cement @ *See reverse side*

Casing test @ _____ (AM) (PM) Date _____

Method Used _____ Witnessed by _____

Checked for shut off @ _____ (AM) (PM) Date _____

Method used _____ Witnessed by _____

Remarks: *Centrifuge on bottom and at 1000' and 560'.*

13 3/8 casing cure at 571'. Water at 105', 581-90 and sulphur water at 1065. Drilled with air, soap and water. No more water below 1065'.

each one operator, had been a success as far as determining any common must have come above 1450', that as temp. survey showed a straight line from 1590 to 1000' the cement must have come up at least that high. Tried to run 1" tubing to check cement top. Tubing would not go below 590'. It struck something hard like a boulder, not steel. Attempted to load hole with 100 barrels of water. Did not fill. Ran cement in stages as follows:

2-25-71, 1:45 p.m. 150 sx class C 2% CaCl₂ 1/4# floccle,

4:20 p.m. 150sx class C 4% CaCl₂ 3 bags hulls 1 bag floccle,

7:15 p.m. 100 sx class C 6% CaCl₂, 10:05 p.m. 25 sx class C

14% CaCl₂, 2-26-71, 12:01 a.m. 50 sx class C 6% CaCl₂,

2:45 a.m. 100 sx class C 4% CaCl₂. The result of this 600 sx was only 2 or 3 feet of fill. However, the water zone at 581 to 590 should

be effectively isolated.

At 5:00 a.m. filled hole to surface with 8 yards of 3/4" soupy ready mix. While running ready mix, took an 80,000# pull on casing, only had 1 to 2 inches of stretch indicating good hard cement near the

600 foot depth.