

VISTA RESOURCES, INC.

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October 27, 1980

Mr. Frank T. Chavez
Energy and Minerals Department
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Navajo Tract 20 Lease
20-2 Disposal Well

Dear Mr. Chavez:

As a follow up to your letter dated October 22, 1980 and our subsequent telephone conversation the following additional information is brought to your attention:

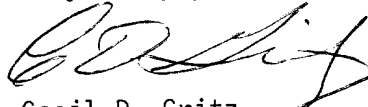
In reviewing the original drilling report I find that there were several additional zones of lost circulation in the fractured Hermosa formation which occurred during drilling.

I am enclosing for you copies of the extracts from Amerada's Daily Drilling Report and a xerox copy of the Sonic Gamma Ray log covering the overall interval of lost circulation zones in the Hermosa.

If after reperforation of the original disposal interval (6295-6390) and acidizing of same the well will not take adequate volumes of water at low injection pressures, would you permit us to add additional perforations within the Hermosa relative to the additional zones of lost circulation herein documented?

This request of course is directed on the basis of your not requiring a public hearing for the proposed action. If you need anything further, please advise.

Very truly yours,


Cecil D. Gritz

CDG:erc



9-6-63 5748' (138') Sand and Shale, On trip. Mud 10.4# Visc-55, WL 9.4#, 2/32" cake. PH-12.5, 38,000# Wt. 72 RPM, 1300# PP, 15-6½" DC and 9-5½"DCs.

20 Hrs. Drilling

1/4 " Survey

1 " Repair stant pipe

2-3/4" Trip at 5748'

Survey @ 5735' -3/4 dg.

Bit #19 -8-3/4" #48716 H-OWVJ (5552'-5748') 196' in 28-1/4 hrs.

20 sax. Bar, 17 sax. Gel, 525# C. Soda, 700# RD-111, 600# S. Ash.

9-7-63 5891' (143') Sand, Shale and Anhydrite, On trip. Mud 10.4#, Visc-53, WL-10, 2/32" cake, PH-12.5 38-40,000# Wt. 72 RPM, 1300# PP, 15-6½" & 9-5½"DCs.

22-1/2 Hrs. Drilling

1-1/2 Trip at 5891'

Bit #20-8-3/4" #48717, H-OWVJ (5748-5891') 143'-22-1/2 Hrs.

38 sax. Gel, 10 Bar, 225# C. Soda, 525# RD-111, 600# Soda Ash.

9-8-63 6023' (132') sand and shale, drilling, Mud 10.4#, Visc-53, WL-10, 2/32" cake, PH 12.5, 40,000# Wt. 72 RPM, 1300, 15-6½" and 9-5½" DCs.

20 hrs. drilling

3 " Finish trip at 5891'

1 " Cut off drilling line.

26 Sax. Gel, 3250# C. Soda, 300# Soda Ash, 400# RD-111.

9-9-63 6150' (127') Sand and shale, drilling, Mud 10.3# Visc 53, WL 10.4, 2/32" cake, PH 12.5, 40,000# Wt. 72 RPM, 1300# PP, 16- 6-½" And 9-5½" DCs.

20-1/4 hrs. Drilling

3-1/2 " Trip at 6053' SLM DP @6053' - No correction.

1/4 " Survey Survey @ 6030' 1/2 dg.

Bit #21 8-3/4" 48714 H-OWVJ (5891'-6053') 156' 25-3/4 Hrs.

29 sax. Gel, 14 sax. bar, 225# C. Soda, 225# RD-11.

9-10-63 6200' (50') Sand and shale, laying down 4" DP, Mud 10.3#, Visc. 55, WL-8.8 2/32" cake 40,000# Wt. 72 RPM, 15-6½" & 9-5½" DCs.

8-3/4 Hrs. Drilling. finished 8-3/4" hole to 6200' @ 2:45 PM. 9-9-63.

4-3/4 " Circulating, (Lost Circ. after 3/4 hrs. Circulating, lost approx. 300 bbls.

2 " Trip out of hole to run surveys.

4-1/4 " Survey by Schl. Ran Gamma-ray Intergrated Sonic Log Schl. TD 6200'

1-1/2 " Trip at 6200' to circ. and break down DP

1-1/2 " Circ. and cond. hole - did not loose any mud and no water flow.

1-1/4 " Laying down 4" DP to run 7" casing.

Bit #22 8-3/4" #258-HOWVJ (6053'-6200') 147' in 23½ hrs.

Mix: 300# RD-111, 120# C. Soda, 91 Sax Gel, 131 Sax bar, 25 Sax Aspen Fiber, 26 sax. Incofiber, 31 sax Coarse Mica and 6 sax. hulls.

9-11-63 6200' (0') WOC. Mud 10.4#, Visc. 55, WL 8.8, 2/32" cake.

4 hrs. Finish laying down 4" DP and DCs.

1 " Rig up to run 7" casing.

10 " Ran 152 jts. 7" OD Casing as follows: (12-Jts. 23#, N-80-488')

Set at 6199' W/Howco Float shoe, and Howco Float Collar at 6150'

W/6-Cent. @ 6193' 6120', 6000', 5880', 5760' & 5620', cemented W/200

sax. cement 50/50 Poxmix, 2% Gel, by Hall. Pumped plug to 6150'

(continued)

Navajo Tract 20 #2

9-11-63 cont- W/1000' Pump press. at 9:00 PM 9-10-63. Had full returns while cementing
(Note: Time for running pipe includes power tong trouble and circulating to
to kill water flow when casing as at 2600', flow est. at 100 bbls water per/hr.
9 Hrs. Ran B&R Temp Survey, found top of cement outside of 7" casing at 4275
Mix: 234 sax Bar, 18 sax. gel.

9-12-63 6310' (110') Sand and shale, drilling with water 20,000# Wt. on Bit, 55 RPM, 1200#
PP, 21-4 1/2" DCs.

12-1/2 hrs. WOC, Nipple up 7" Csg. pick up DP and DC's.

1/2 " Press. up 7" casing to 1500# Held OK.

2 " Drilling cement from 6150' to 6199' - Hard

9 " Drilling, start drilling 6-1/8" Formation hole at 9PM, 9-11-63.

SCHLUMBERGER TOPS.

Lower Gallup	548'	#4693'	Entrada	2662'	#2579'
Greenhorn	1254'	#4693'	Mosss Back	4004'	#1237'
Graneros	1321.	#3920'	Shinarump	4110'	#1131'
Dakota	1358'	#3883'	DeChelly	4272'	#969'
Morrison	1603'	#3638'	Organ Rock	4732'	#509'
Summerville	2453'	#2788'	U/ Hermosa	6085'	#844'
Todilto	2652'	#2589'			

9-13-63 6435' (125') Lime and shale, drilling. W/water and lost Circ. Mat. 20,000# Wt. 1200#
PP, 55 RPM. 21-4 1/2" DCs.

15-1/4 Hrs. Drilling

7 " Trips at 6321' and 6401'

1 " 3-Surveys

3/4 " Lost Returns, (Lost Approx. 100 bbls. at 6378' & Approx. 30 bbls. at
6424') Mixed lost circ. materials and have full circ. at 6 AM today.

Mixed: 10 Sax IMC Fiber, 25 Sax Aspen Fiber & 5-Sax Wool.

Bit #23 -6-1/8" #35554-OWC (6200'6321') 119' in 11 hrs.

#24 " #35557-OWC (6321'6401') 80' in 9 hrs.

9-14-63 6590' (155') Lime, drilling with water. 20,000# Wt. 1200# PP, 24-4 1/2" DCs.

19 Hrs. Drilling. (Note Corr. on top of cmt. outside of 7" intermed. Csg. from
4275' to 5400' as reported 9-11-63. Approx. 50% Fill)

3-3/4 " Trip at 6558'

1/4 " Survey Survey @ 6550' - 1 dg.

1/2 " Lost Circ., lost approx 70 bbls water at 6556'

1/2 " Wash from 6518' to 6558' - 40'

Bit #25- 6-1/8" #32217 - W7R (6401'-6558') 157' in 19 1/2 hrs.

Mix 6 Sax Mica, 18 Sax IMC Fiber 15 Sax Aspen Fiber & 3 Sax. Hulls.

9-15-63 6625' (75') Lime and Chert. Drilling. Mud 8.5, Visc. 38 WL 16.4 2/32" Cake
20,000 # Wt., 55 RPM, 1200# PP, 24 - 4 1/2" DCs.

12-1/4 Hrs. Drilling.

1- 1/2 " Circ. & Work Stuck DP @ 6600' (Seemed like a piece of chert above bit)
Added lost circ. material to get circ., lost approx. 120-bbls. water.

3 " Trip out.

3-1/4 " Install Shoffer Rotating Head & Mix. Gel & Lost Circ. Material.

1-1/2 " Trip in to 6150' W/bit #27.

3/4 " Circ. & Displace water w/mud.

1-1/2 " Finish trip in to(6150'-6501') & wash from (6502-6627') 125'- Lost
approx. 75 bbls. Mud @ 6527', on last conn. @ 6657'. was a little tight

Bit #25-6-1/8" #32218 W7R In 6558' Out 5527' 69' 9-1/2 Hrs.

Mus Mixed: 24 sx. Imco Fiber, 21 sx. Aspen Fiber, 2 sx. Hulls, 7 sx. wool, 4 sx. Mica,
65 sx. Gel & 100 Soda Ash