

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079052
Unit Rincon Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	RECEIVED SEP 13 1962 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 11, 19 62

Well No. 155 is located 990 ft. from N line and 590 ft. from W line of sec. 17
SW/4 Section 17 27-N 6-W N.M.P.M.
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Basin Dakota Rio Arriba New Mexico
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6559 ft.

DETAILS OF WORK

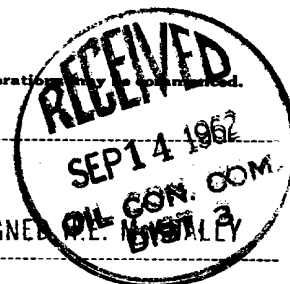
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 7-1-62 Ran 246 jts. 4 1/2" J-55 casing (7678') set at 7688' (40 jts. 11.6#, 1232.99' bottom, 193 jts. 10.5#, 6074.65' middle, 13 jts. 11.6# 370.36' top) F.C. @ 7671'. DV tools at 5267' and 3033'. Cemented 1st stage w/100 sks. regular, 1/4# gel, 1/4# fine tuffplug & 1/8# Flocele/sk., 0.4# BR-4 and 50 sks. reg. 1/4# tuffplug/sk., 0.4# BR-4. 2nd stage tool did not open. Cemented 3rd stage w/180 sks. El Turo "35", 6# gel. Held 1500#/30 min. Top of cement by temperature survey at 7020'.
- 7-3-62 Cleaning out cement.
- 7-4-62 Set packer at 5200'. Perf 4 holes at 5600'. Squeeze w/100 sks. Pozmix, 100 sks. regular, 2# calcium chloride. First 100 sks. in on vacuum. Max pr 4000#. Drilling Baker tool. Drilling cement.
- 7-5-62 Pressure up on squeeze job. 4000#. O.K.
- 7-6-62 Water frac Dakota perf interval; (Cont'd. on back)

I understand that this plan of work must receive approval in writing by the Geological Survey before operation is commenced.

Company El Paso Natural Gas Company
 Address Box 990
Farmington, New Mexico

By ORIGINAL SIGNED
 Title Petroleum Engineer



Part Int - 7572-7578 (2 SRF); 7554-7558 (3 SRF); 7532-7536 (3 SRF);
 7486-7492 (2 SRF); Press w/42,000 gallons water & 36,000# sand. NBP
 1710#, or 3000#, max 4000#. I.R. 27 BPM. 3 drops of 12 balls each.
 Lost Lane Wells part gun in hole. Fished out same.
 Set bridge plug at 7550'. Test would not hold. Start in w/new plug.
 Would not go. Start out. Lost plug in hole. Test casing w/HONCO.
 Test casing @ 5275'. Did not hold. 5647, held O.K. 5557. Pump in squeeze
 holes w/3000#. Set NITS tool @ 5369'. Squeeze at 5600 w/150 sbs. H-9.
 Max 3000#. Held O.K. Squeeze @ 3033' w/200 sbs H-9, 100 sbs. regular, 2#
 calcium chloride. No pressure. Sg. w/400 sbs. Test - 12 1/2 oz. 100
 sbs. Test, 2# calcium chloride, 4000#, no leak.
 Drilling cement 2923-3033'. Test squeeze. Did not hold. Test sq. on DV
 tool. Broke at 2300#. Held at 1200#. Pressure up to squeeze.
 Squeeze w/100 sbs. H-9. Holding at 3000#. Sg. thru HONCO NITS.
 Drilling cement. Pressure up w/HONCO. Cement job broke down at 2200# &
 could pump in at 2800#. Set HONCO NITS packer @ 2791'. Sg. leak @ 3033'.
 w/85 sbs. reg. w/.9 or 1# H-9 & 2# calcium chloride. Sg. in hold @ 4000#.
 Did not bleed back. Test approximately 158' of cement in pipe (15 sbs.).
 Drilling 35' cement w/3 7/8" bit. Fr. up w/HONCO. Could pump in @ 2400#.
 Ran HONCO NITS packer to 3068'. Fr. up below tool to 3100#. Held O.K.
 Drilling out of cement @ 2984'. Indicates possible hole above DV tool at
 3003'. Set HONCO NITS packer @ 2880'. Sg. w/91 sbs. reg. cement thru casing.
 Left 9 sbs. in casing approximately 95' of cement. Final sq. pr. 5000# after
 cement had been mixed. 1 1/2 hrs left 5000# on tool, 2000# on annulus. After
 18 min. pr. equalized across tool. Pulled tool after pr. to 4000#. Held O.K.
 Hole in pipe 3000-2990' indicated by bottom of cement after sq. Pressure up
 w/HONCO to 3000#, broke back to 2400# in 5 min. Pumped in 1 to 1 1/2 BPM
 @ 3400#. Bleed back to 2000# in 10 min. Set HONCO NITS packer @ 2827'. Sg.
 formation w/91 sbs. reg. cement. Left 9 sbs. 85' of cement in pipe. Shut
 down pump after clearing packer. Fr. up to 4000# in 3 min. Bleed back. Fr. to
 4500# and left for 1 1/2 hrs. Fr. equalized across packer 2400#.
 Pressure up w/HONCO to 2700#. Broke down. Pumped in @ 2 BPM @ 2800#. Bleed
 back to 2400# in 4 min. Ran MacIntosh logging tool & radio active source
 to 3002'. A hit bridge. Picked up drill pipe, went in hole, hit nothing to
 3067'. circulated hole. Part 2 holes @ 2995-2996. Set NITS packer @ 2793'.
 Squeeze 100 sbs. Held "9", held 3000# 3 hours.
 W.O.C. Drilling cement 2885-3002.
 Tested sq. @ 3000'. Broke @ 3300#. Pump in @ 3300#. Test sq. @ 5600,
 w/NITS-3500#. 30 min O.K. Set NITS @ 2795'. Squeeze hole @ 2995-2996.
 Broke to 3600'. Pump in @ 3200#. Holding @ 3500'. Squeeze w/50 sbs. Held
 "9".
 Tested casing by HONCO. Broke @ 3350#. Bleed back to 2900#. Drilling out
 cement @ 3042'.
 Ran NITS tool set at 2804'. Sg. w/50 sbs. H-9. Pumped @2000-2500#. Sg. @ 3400
 Drilled 250' cement. Top @ 2870' cut @ 3128'. Test squeeze. Broke 1500-1000
 Then up to 3000# 30 min, 2900#. Part by Lane Wells, 4 holes 3131-3132.
 Sg. w/50 sbs. Held "9", 2# calcium chloride, 1/8# fluoride/sk. Final pr 2000#
 Drilling out cement top 2840, bottom 3096. Pressure up on squeeze, broke @
 2700#. Went in hole w/packer. Fr. up w/3500#. Cleaning out, pr up w/3200#.

7376-7380; 7405-7409 (3 SRF)
 Pump plug to bottom 7437'. Set H.P. @ 7450'. Part by Lane Wells. 7363-7367;

Supplementary Well History on Rincon Unit #155 (Cont'd.)

- 7-23-62 C.O.T.D. 7450'. Bridge Plug @ 7450'. Water free perf int 7363-7367; 7376-7380; 7405-7409 w/27,500 gallons water, 12,500# sand. Flush 5500 gallons water. BDP 950#, max pr 3000#, tr pr 2900#. I.R. 12.7 BPM.
- 7-24-62 Drilling Bridge Plug.
- 7-25-62 Finished drilling out plug & clean out to bottom. Blowing well @ 7610'.
- 7-26-62 Set Baker "BA" packer @ 7310'. Ran 237 joints 2 3/8" EUE, 4.7# J-55 tubing (7301') landed @ 7311'.
- 8-15-62 Date well was tested.

