

P&A PROCEDURE

AD
mark up

Well Name: Harry Leonard (NCT) D #10
API Number: 30-025-08760
Coordinates: 1980' FNL & 1980' FWL Unit F
S - T - R 3 - 22S - 36E
County / State: Lea, NM

Operator: Chevron
Field: Eunice South
Date: 8/9/01
By: DCD

Provide 24 hr Notification to NMOCD of Pending Operations

1. MIPU. Hold pre-job safety mtg and RU. Check 51/2" csg and 85/8" x 51/2" annulus for pressure.
2. Install BOP. Tag btm and POH & LD tbg. Remove BOP, close well in and RD&RPU.
3. MI Benterra equip. Hold pre-job safety mtg and spot equipment. Check 51/2" csg and 85/8" x 51/2" annulus for pressure.
4. ND WH equip and install well control equip.
5. Make trip w/ GR on slickline and check PBD. Record FL. Displace wellbore fluids w/ freshwater.
6. Insert 51/2" wiper plug (cored to allow fluid bypass) into csg and push to 3700' w/ slickline.
7. Surface pour 14 cu ft of ZONITE to set 100' btm plug from 3600 - 3700'. Set plug in stages, checking w/ SL to assure bridges are not occurring and proper plug height is achieved. Pour at rate that minimizes potential to bridge. After setting plug, add water as necessary to assure hydration of plug.
8. Move off location and wait minimum of 48 hours for plug to hydrate. Assure that an adequate fluid level is maintained to hydrate plug.
9. MI Benterra equip. Hold pre-job safety mtg and spot equipment. Check 51/2" csg and 85/8" x 51/2" annulus for press and install well control equip. Check top of plug w/ slickline and record FL.
10. Push cored 51/2" wiper plug to 2260' w/ slickline.

Surface pour 14 cu ft of ZONITE to set 100' plug across top of salt, 2160 - 2260'. Set plug in stages, using precautions as in Step 7. After setting plug, add water as necessary to assure hydration of plug.

11. Push cored 51/2" wiper plug to 479' w/ slickline. Set 100' (14 cu ft) ZONITE plug using precautions in Step 9 from 379' - 479', across 85/8" shoe @ 429'. Add water if necessary to hydrate plug.
12. Push cored 51/2" wiper plug to 30' w/ SL. Fill csg w/ ZONITE to 3' below GL (4 cu ft)
13. Remove well control equip, secure WH and RD equip.
14. Allow 48 hours for ZONITE to hydrate, remove WH, cut off casings 3' below GL and cap wellbore.
15. Install dry hole marker stamped w/ required well identification, 4" OD x 4' above GL.
16. Remove all equip and cut deadmen below the surface.
17. Turn over to Chevron for any surface remediation work.

Estimated ZONITE Requirements:

46 ft³

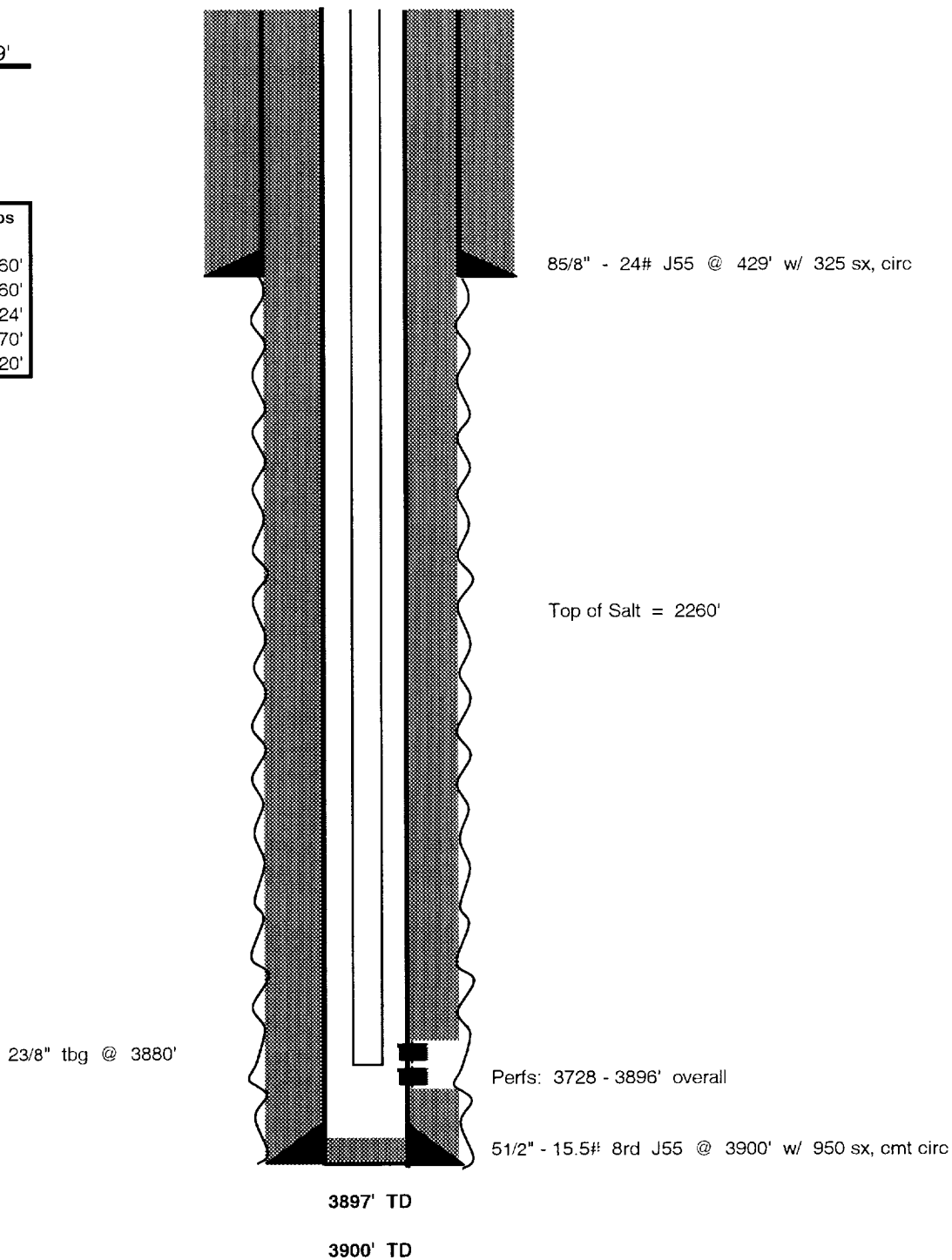
WELL PLANNING SHEET EXISTING CONFIGURATION

Well Name: Harry Leonard (NCT) D #10
API Number: 30-025-08760
Coordinates: 1980' FNL & 1980' FWL Unit F
S - T - R: 3 - 22S - 36E
County / State: Lea, NM
Drilled: 1958

OPERATOR: Chevron
FIELD: Eunice South
DATE: 8/9/2001
BY: DCD

RKB = 9'

Formation Tops	
Anhydrite	1560'
Salt	2260'
Yates	3124'
7R	3370'
Queen	3720'



WELL PLANNING SHEET

Proposed P&A

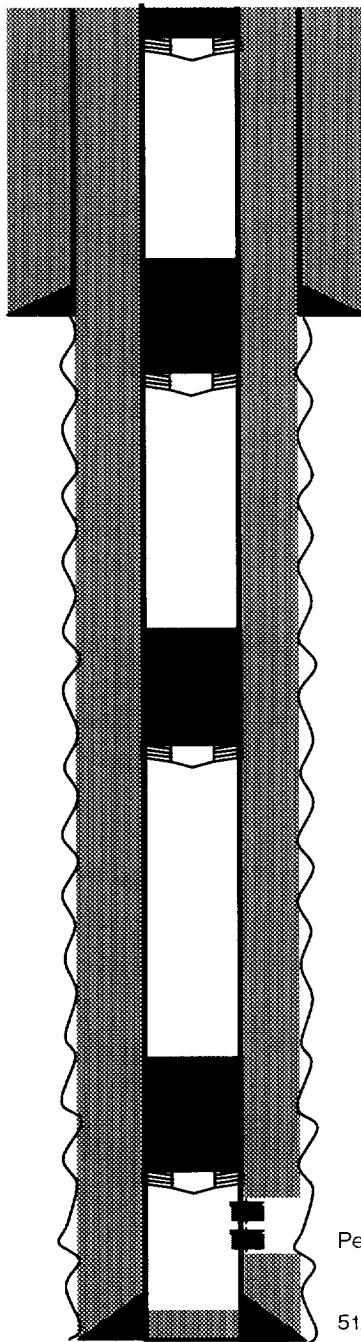
Well Name: Harry Leonard (NCT) D #10
API Number: 30-025-08760
Coordinates: 1980' FNL & 1980' FWL Unit F
S - T - R: 3 - 22S - 36E
County / State: Lea, NM
Drilled: 1958

Operator: Chevron
Field: Eunice South
Date: 8/9/2001
By: DCD

RKB = 9'

Formation Tops	
Anhydrite	1560'
Salt	2260'
Yates	3124'
7R	3370'
Queen	3720'

ZONITE Plugs	
3 - 30'	
379 - 479'	
2210 - 2310'	
3600 - 3700'	



Legend	
Cement	
ZONITE	

85/8" - 24# J55 @ 429' w/ 325 sx, circ

Top of Salt = 2260'

move up!

Perfs: 3726 - 3896' overall

5 1/2" - 15.5# 8rd J55 @ 3900' w/ 950 sx, cmt circ

3897' TD

3900' TD