

**Monaghan Farms 24B-5 1-A**  
**39.815472 / -104.688634**  
**05-001-07476**



**Monaghan Farms 24B-5 1-A Procedure**

1. Survey and locate plugged wellbore. Set a stake and record as-drilled GPS coordinates.
2. Excavate around wellbore to expose the top of the surface and production casing.
3. Cut existing cap off wellbore. Weld a slip collar to 5-1/2" casing and necessary length of casing to reach ground level. Weld another 5-1/2" slip collar.
4. Weld a slip collar to 8-5/8" casing and necessary length of casing to reach ground level. Weld another 8-5/8" slip collar.
5. MIRU workover rig.
6. Install wellhead and BOP. Test BOP.
7. PU and RIH with 4-3/4" tricone bit, 10 3-1/2" drill collars, and 2-7/8", 6.5#, L80, EUE workstring.
8. Drill out 1st surface cement plug and circulate hole clean.
9. Continue to RIH to 8300', clearing wellbore of any debris.
10. POOH and LD 4-3/4" tricone bit.
11. Rig up wireline and RIH with 5-1/2" CIBP, set CIBP at 8300'. POOH.
12. RBIH with wireline and dump bail 4 sacks of cement on top of CIBP. POOH.
13. Pressure test casing to 250 psi. If surface casing fails pressure test, contact engineer and hunt holes.
14. RBIH with wireline and run CBL to 8250' and determine true TOC. POOH.  
**Steps 15-21 assume TOC at 7505', adjust depths/volumes as necessary so that perfs are shot directly above TOC, CICR is 50' above perfs, and that there is at least 200' of cement coverage over the Nio Top (7578')**
15. RBIH with wireline and 5-1/2" CIBP, set CIBP at 7580'. POOH.
16. RBIH with wireline and dump bail 4 sacks of cement on top of CIBP. POOH.
17. RBIH with perf gun on wireline, shoot holes at 7500'. POOH.
18. PU and RIH with 5-1/2" CICR on 2-7/8" 6.5# L80 EUE workstring and set CICR at 7450'.
19. Establish circulation through the CICR and back up the annulus to surface.
20. RU cement crew, pressure test lines to 4,500 psi, and squeeze 15.8 ppg Class G neat cement through retainer and into perfs (40 sks).
21. Disengage from CICR and pump a balanced plug above CICR from 7450'-7400' with 15.8 ppg Class G neat cement (6 sks). POOH.
22. RBIH with perf gun on wireline, shoot holes at 3000'. POOH.
23. PU and RIH with 5-1/2" CICR on workstring and set CICR at 2950'.
24. Establish circulation through the CICR and back up the annulus to surface.
25. RU cement crew, pressure test lines to 4,500 psi, and squeeze 15.8 ppg Class G neat cement through retainer and into perfs (40 sks).
26. Disengage from CICR and pump a balanced plug above CICR from 2950'-2900' with 15.8 ppg Class G neat cement (6 sks). POOH.
27. RBIH with perf gun on wireline, shoot holes at 1855'. POOH.
28. PU and RIH with 5-1/2" CICR on workstring and set CICR at 1805'.
29. Establish circulation through the CICR and back up the annulus to surface.
30. RU cement crew, pressure test lines to 4,500 psi, and squeeze 15.8 ppg Class G neat cement through retainer and into perfs (86 sks).
31. Disengage from CICR and pump a balanced plug above CICR from 1805'-1500' with 15.8 ppg Class G neat cement (35 sks). POOH.
32. RBIH with perf gun on wireline, shoot holes at 947'. POOH.
33. PU and RIH with 5-1/2" CICR on workstring and set CICR at 897'.

34. Establish circulation through the CICR and back up the annulus to surface.
35. RU cement crew, pressure test lines to 4,500 psi, and squeeze 15.8 ppg Class G neat cement through retainer and into perfs (80 sks).
36. Disengage from CICR and pump a balanced plug above CICR from 897'-618' with 15.8 ppg Class G neat cement (32 sks). POOH.
37. RBIH with perf gun on wireline, shoot holes at 340'. POOH.
38. PU and RIH with 5-1/2" CICR on workstring and set CICR at 290'.
39. Establish circulation through the CICR and back up the annulus to surface.
40. RU cement crew, pressure test lines to 4,500 psi, and squeeze 15.8 ppg Class G neat cement through retainer and into perfs back up to surface (88 sks).
41. Disengage from CICR and pump a balanced plug above CICR from 290' back up to surface with 15.8 ppg Class G neat cement (34 sks).
42. RDMO. Top off cement after rig has moved, if necessary.
43. After surface plug has set, cut casing to 5' below ground level and conduct bubble test before proceeding.
44. After Bubble Test is successfully performed, weld on a plate to seal the well.
45. Inscribe the well's legal location, well name and number, and API number on the plate as shown:

990' FSL, 2310' FWL, SESW Sec 5, T3S, R65W
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46. Photograph welded name plate and send to engineer.
47. Backfill hole and reclaim surface to original conditions.
48. Cover up the well and remediate the disturbed area.

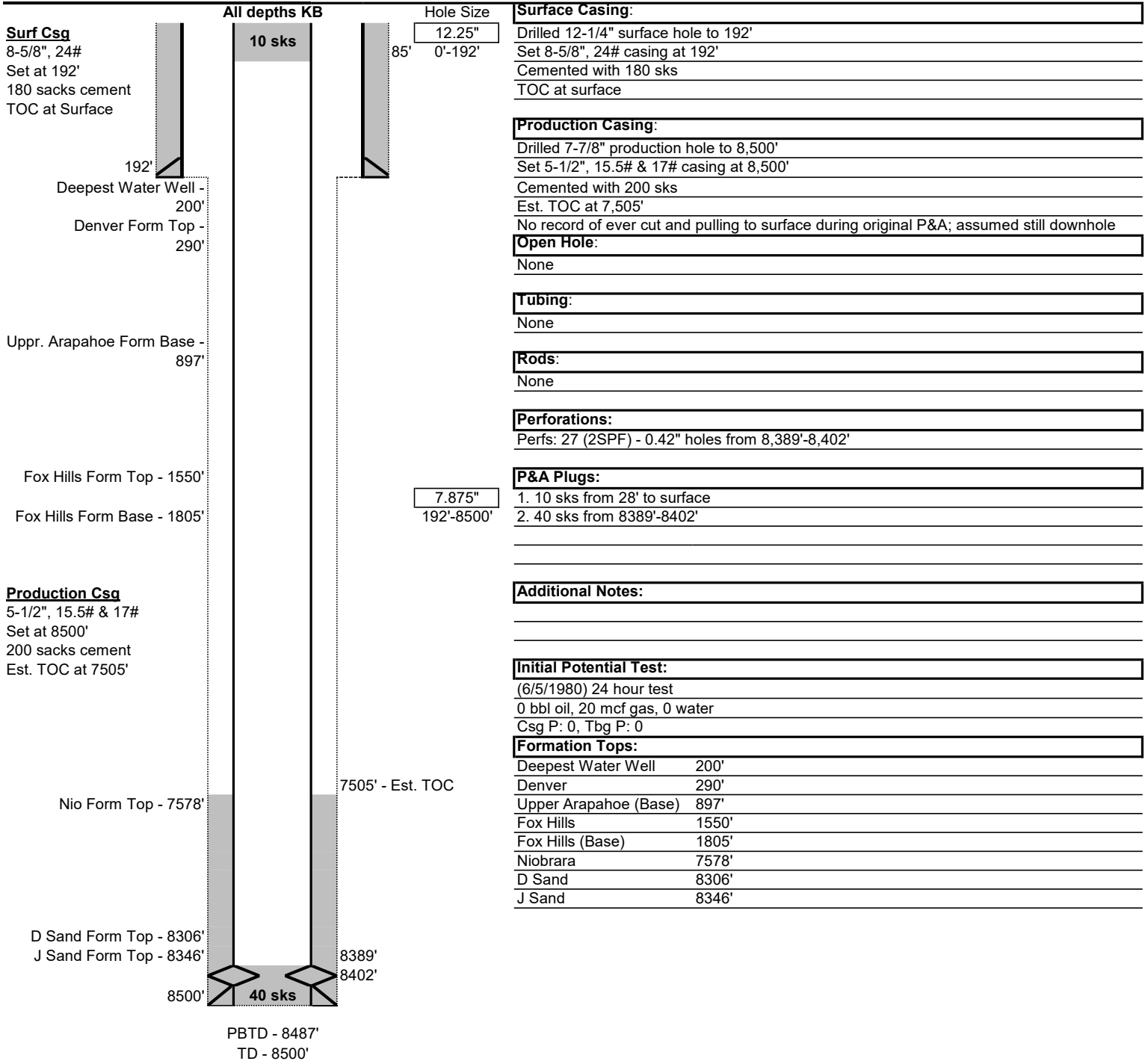
**Monaghan Farms 24B-5 1-A Cement Plug Table**

CEMENT PLUG TABLE								
Plug Number	Plug Status	Target	Plug Location	Plug Bottom Depth	Plug Top Depth	Cement Class	Yield (ft^3/sk)	Number of Sacks
1	Existing	D & J Sand	Casing	8402'	8389'	Uknown	Unknown	40
2	New	D & J Sand	Casing	8300'	8266'	G	1.15	4
3	New	Niobrara	Casing	7580'	7546'	G	1.15	4
4.1	New	Niobrara	Casing	7500'	7450'	G	1.15	6
4.2	New	Niobrara	Annulus	7500'	7350'	G	1.15	34
5	New	Niobrara	Casing	7450'	7400'	G	1.15	6
6.1	New	Aquifer	Casing	3000'	2950'	G	1.15	6
6.2	New	Aquifer	Annulus	3000'	2850'	G	1.15	34
7	New	Aquifer	Casing	2950'	2900'	G	1.15	6
8.1	New	Fox Hills	Casing	1855'	1805'	G	1.15	6
8.2	New	Fox Hills	Annulus	1855'	1500'	G	1.15	80
9	New	Fox Hills	Casing	1805'	1500'	G	1.15	35
10.1	New	Upper Arap.	Casing	947'	897'	G	1.15	6
10.2	New	Upper Arap.	Annulus	947'	618'	G	1.15	74
11	New	Upper Arap.	Casing	897'	618'	G	1.15	32
12.1	New	Surface	Casing	340'	290'	G	1.15	6
12.2	New	Surface	Annulus	340'	192'	G	1.15	34
12.3	New	Surface	Annulus	192'	Surface	G	1.15	48
13	New	Surface	Casing	290'	Surface	G	1.15	34
<b>TOTAL NEW SKS OF CEMENT REQUIRED:</b>								<b>455</b>

### Current Wellbore Schematic

Well Name: Monaghan Farms 24B-5 #1-A  
 Location: 990' FSL, 2310' FWL, SESW Sec 5, T3S, R65W  
 County: Adams  
 API #: 05-001-07476  
 Co-ordinates: 39.815472 / -104.688634  
 Elevations: GROUND: 5413'  
                   KB: 5422'  
 Depths (KB): PBTD: 8487'  
                   TD: 8500'

Date Prepared: 10/3/2024  
 Last Updated: 4/22/2026  
 Spud Date: 8/31/1979  
 Completion Start Date: 9/19/1979  
 Last Workover Date: 2/13/1984



## Proposed Wellbore Schematic

Well Name: Monaghan Farms 24B-5 #1-A  
 Location: 990' FSL, 2310' FWL, SESW Sec 5, T3S, R65W  
 County: Adams  
 API #: 05-001-07476  
 Co-ordinates: 39.815472 / -104.688634  
 Elevations: GROUND: 5413'  
 KB: 5422'  
 Depths (KB): PBD: 8487'  
 TD: 8500'

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