



1001 17<sup>th</sup> Street  
Suite 1600  
Denver, CO 80202  
10/8/2020

## **KELL 35-12 (L35) P&A Proposal (05-045-06934)**

### **Project Objective:**

This project is to plug and abandon the KELL 35-12 (L35) well.

### **KELL 35-12 (L35) P&A Procedure**

1. Notify the Silt BLM office & COGCC at least 48 hours before plugging operations commence. Ensure proper ground disturbance forms have been completed, one call for utility identification has been done and proper paperwork is on location.
2. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
3. Record all tubing and casing pressures as found, note in WellView.
4. Perform Bradenhead Test using a Form 17. With gauges monitoring production casing and tubing pressures, open surface casing (bradenhead) valve. Record pressures at five-minute intervals for 30 minutes. Record all pressures and complete Form 17. Return completed Form 17 to Production Engineer.
5. MIRU workover unit. Kill well. ND wellhead, NU BOP.
6. Test and chart BOPs as per regulations. PU and remove tubing hanger.
7. TOOH with 2 3/8" tubing while scanning (per pertinent data sheet). Visually inspect pins and collars for corrosion or scale and report tubing condition in WellView. Lay down and replace any compromised joints of tubing. Note any scale, corrosion, and condition of tubing in WellView.
8. RUWL and RIH with 4 1/2" 11.6# CIBP to 5,990', ~50' above top perf at 6,042'. Set CIBP and ROH with wireline.
9. Perform 500 psi pressure test for 15 minutes. If test is not successful, please notify Production Engineer.
10. TIH with 2 3/8" tubing to 5,990'. Mix and pump cement plug of 16 sacks of Class G neat cement (15.8 lb/gal, 1.15 cu-ft/sx) on top of CIBP. Estimated TOC at 5,790' (200' cement cap). Pick up above the plug and circulate clean. TOOH
11. RU wireline. RIH with perf gun to 3,935' and perforate casing with 4 holes. ROH with wireline.



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12. TIH with tubing to 3,935'. Ensure Bradenhead valve is open and perform injection rate test to gain circulation up the annulus of the surface casing up the Bradenhead. Ensure good returns before proceeding.
13. Mix and pump cement plug of 177 sacks of Class G neat cement to fill casing and annulus with 560' cement plug. Spot 134 sacks (~22.7 bbls) of cement into annulus and 43 sacks (~8.7 bbls) of cement in casing to cover L. Wasatch (3,884'). Estimated TOC at 3,375' (50' coverage below and 500' coverage above L. Wasatch). Pick up above the plug and circulate clean. TOOH.
14. RU wireline. RIH with perf gun to 1,000' and perforate casing with 4 holes. ROH with wireline.
15. TIH with tubing to 1,000'. Ensure Bradenhead valve is open and perform injection rate test to gain circulation up the annulus of the surface casing up the Bradenhead. Ensure good returns before proceeding.
16. Mix and pump cement plug of 166 sacks of Class G neat cement to fill casing and annulus with 525' cement plug. Spot 125 sacks (~21.5 bbls) of cement into annulus and 41 sacks (~8 bbls) of cement in casing. Estimated TOC at 475'. Pick up above the plug and circulate clean. TOOH.
17. RU wireline. RIH with perf gun to 75' and perforate casing with 4 holes. ROH with wireline.
18. TIH with tubing to 75'. Mix and pump balance plug of 23 sacks of Class G neat cement to surface in casing and annulus. Top off cement if necessary.
19. RDMO workover unit and ND BOP.
20. Dig down around wellhead and cut off 4 feet below ground level. Top off with cement if needed.
21. Weld information plate to casing stub with 1/4" weep hole, take GPS readings of well information plate for regulatory agencies. Inscribe information plate with:

Caerus Oil and Gas LLC  
Sec 35 T6S R93W KELL 35-12 (L35) 05-045-06934
22. Back fill hole and release equipment. RDMO



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API:	05-045-06934
Surface Casing:	8 5/8" OD, 8.097" ID, 24 lb/ft, J-55 set at 531'.
Production Casing: Hole Size:	4 1/2" OD, 4" ID, 11.6 lb/ft, NS-75 set at 8,100' 7 7/8"
TOC:	4,080'
Perfs:	6,042'-7,494' in the Mesaverde
Top of Mesa Verde:	4,226'
COGCC Field:	Mamm Creek

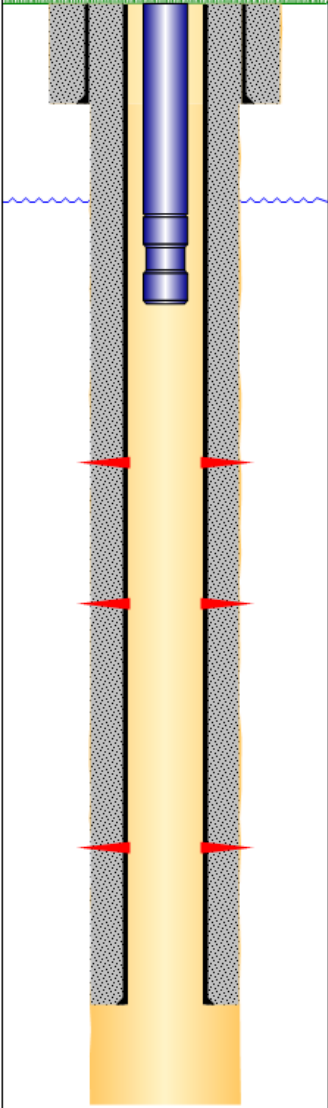


## Downhole Well Profile - with Schematic

### Well Name: Kell 35-12 (L35)

API/UVI 05045069340000	Related ROD L35	State CO	County GARFIELD	Permit Number
Original Spud Date 10/24/1994 06:00	Total Depth (ft/B) 8,108.0	PSTD (Alt) (ft/B)	Original KB Elevation (ft) 5,908.79	Ground Elevation (ft) 5,908.79

### Vertical schematic (actual)



Wellbores									
Wellbore Name	Parent Wellbore			Wellbore API	Start Depth (ft/B)				
Original Hole - Initial Migration	Original Hole - Initial Migration			0000	0.0				
Actual Deviation Survey	Vertical Section Direction (°)			VS NS Origin (ft)	Vertical Section East-West Origin (ft)				
North-South Distance (ft)	From N or S Line			East-West Distance (ft)	From E or W Line				
Profile Type	State/Province			County	Effective Lateral (ft)				
Bottom Hole Legal Location	Lat/Long Datum			Latitude (°)	Longitude (°)				
PBTD (Plug Back Total Depth)									
Date	Type			Depth (ft/B)			Method		
Surface, 531.0ftKB									
Run Date	Set Depth (ft/B)			Centralizers	Scratchers				
10/24/1994	531.0								
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ft/B)	Btm (ft/B)
Casing Joints	8 5/8	8.10	24.00	J-55		12	530.91	0.1	531.0
Float Shoe	8 5/8	8.63				1		531.0	531.0
Production, 8,100.0ftKB									
Run Date	Set Depth (ft/B)			Centralizers	Scratchers				
11/15/1994	8,100.0								
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ft/B)	Btm (ft/B)
Casing Joints	4 1/2	4.00	11.60	N-80	LT&C	181	8,100.00	0.0	8,100.0
Surface Casing Cement									
Description		Cementing Company		Start Date	End Date	String			
Surface Casing Cement				10/24/1994 00:00		Surface, 531.0ftKB			
Stg #	Top Depth (ft/B)	Btm (ft/B)	Fluid Type				Est Top (ft/B)	Est Btm (ft/B)	
1	0.0	531.0	Lead				0.0	531.0	
Amount (sacks)		Class							
360									
Production Casing Cement									
Description		Cementing Company		Start Date	End Date	String			
Production Casing Cement				11/15/1994 00:00		Production, 8,100.0ftKB			
Stg #	Top Depth (ft/B)	Btm (ft/B)	Fluid Type				Est Top (ft/B)	Est Btm (ft/B)	
1	0.0	8,100.0	Lead				0.0	531.0	
Amount (sacks)		Class							
280									
Stg #	Top Depth (ft/B)	Btm (ft/B)	Fluid Type				Est Top (ft/B)	Est Btm (ft/B)	
1	0.0	8,100.0	Tail				531.0	8,100.0	
Amount (sacks)		Class							
825									
Stg #	Top Depth (ft/B)	Btm (ft/B)	Fluid Type				Est Top (ft/B)	Est Btm (ft/B)	
1	0.0	8,100.0	Displacement						
Amount (sacks)		Class							
Tubing Strings									
Tubing Description				Run Date	Set Depth (ft/B)				
Tubing				12/9/1994	6,015.5				
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ft/B)	Btm (ft/B)		
Tubing	2 3/8	4.70	J-55	182	6,014.53	0.0	6,014.5		
Nipple	2 3/8	4.70	J-55	1	1.00	6,014.5	6,015.5		
Perforations									
Date	Type			Stage#	Top (ft/B)		Btm (ft/B)		
11/18/1994	Perforated			3	6,042.0		6,340.0		
11/22/1994	Perforated			2	6,594.0		6,817.0		
12/2/1994	Perforated			1	7,076.0		7,494.0		

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