

**Enduring Resources II, LLC**

511 16th St - Suite 700  
Denver, CO 80202  
(303) 573-1222

**Drilling Chronological**  
**Regulatory**

Well Name: UNIVERSITY 12 #1001H									
Field Name:	Lin (Wolfcamp)	S/T/R:	//	County, State:					
Operator:	Enduring Resources, LLC	Location Desc:			District:	Southern			
Project AFE:	DV02043	AFEs Associated:	/ / /						
Daily Summary									
Activity Date :	11/25/2012	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	01	Move and set up Frac tanks , and other needed rental equipment, begin delivering water to location			0	0	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	11/26/2012	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	01	Moved rig equipment and rigged up same, Waiting on Mud Pump to be delivered, Plan to Spud today			0	0	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	11/27/2012	Days From Spud :	0	Current Depth :	172 Ft	24 Hr. Footage Made :	172 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Complete move to location, Rig up all equipment , Spud at 00:30 on 11/27/2012 from 90 to 172 ft			0	172	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	11/28/2012	Days From Spud :	0	Current Depth :	323 Ft	24 Hr. Footage Made :	151 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Rotate from 172 to 323 ,Survey @ 250' =0.5 degree			172	323	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	11/29/2012	Days From Spud :	0	Current Depth :	820 Ft	24 Hr. Footage Made :	497 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Rotate from 323' to 820'			323	820	NIH	
Total:	24.00								

Well Name:UNIVERSITY 12 #1001H										
Field Name:	Lin (Wolfcamp)			S/T/R:	//			County,State:		
Operator:	Enduring Resources, LLC			Location Desc:				District:	Southern	
Daily Summary										
Activity Date :	11/30/2012		Days From Spud :	0		Current Depth :	885 Ft		24 Hr. Footage Made :	65 Ft
Rig Company :						Rig Name:				
Formation :						Weather:				
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	24.00	02	Rotate from 820 to 885, Work tight pipe from 480 to 300 , Lay down BHA				820	885	NIH	
Total:	24.00									
Daily Summary										
Activity Date :	12/1/2012		Days From Spud :	0		Current Depth :	885 Ft		24 Hr. Footage Made :	0 Ft
Rig Company :						Rig Name:				
Formation :						Weather:				
Daily Summary										
Activity Date :	12/2/2012		Days From Spud :	0		Current Depth :	885 Ft		24 Hr. Footage Made :	0 Ft
Rig Company :						Rig Name:				
Formation :						Weather:				
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	24.00	12	Wait on CRT tool, Rig up and run casing , cement same				885	885	NIH	
Total:	24.00									
Daily Summary										
Activity Date :	12/3/2012		Days From Spud :	0		Current Depth :	885 Ft		24 Hr. Footage Made :	0 Ft
Rig Company :						Rig Name:				
Formation :						Weather:				
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	24.00	01	Moved company housing rigged up, and operational, Received 6 loads of rig, Cranes rigged up and walking at 15:00 hrs at 48-0301H site. L/D cat walk, removed BOP wrangler, choke ,stairs floor plates, grass hoppers, flow line and squatted rig floor. Welder installed well hesd, continued trucking reserve fluids to the 12-1001H				885	885	NIH	
Total:	24.00									
Daily Summary										
Activity Date :	12/4/2012		Days From Spud :	0		Current Depth :	885 Ft		24 Hr. Footage Made :	0 Ft
Rig Company :						Rig Name:				
Formation :						Weather:				
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	24.00	01	All rig components moved to the University 12-1001H location except crew housing. Motor package, mud pumps and tanks set in place. 95% moved 35% rigged up.				885	885	NIH	
Total:	24.00									

Well Name: UNIVERSITY 12 #1001H									
Field Name:	Lin (Wolfcamp)		S/T/R:	//		County, State:			
Operator:	Enduring Resources, LLC		Location Desc:			District:	Southern		
Daily Summary									
Activity Date :	12/5/2012	Days From Spud :	0	Current Depth :	885 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	01	PJSM w/ all 3rd parties involved. Set sub bases, draw works, installed and pinned upper & lower sections of derrick. Prep derrick to raise. Dog house & drillers cabin set. Received & set crew quarters. Derrick & subs up at 19:30 hrs. Set and pinned BOP wrangler. All trucks released. One crane left to set gas separator and flow line. Rig 100% moved - 60 % rigged up. Estimated spud date 12-7-2012			885	885	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/6/2012	Days From Spud :	0	Current Depth :	885 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	01	Continued rigging up & began function testing rig equipment, Plans this morning are to finish testing equipment and perform a rig inspection. Accept rig to drilling day rate and begin nipping up BOPs while mixing chemicals in mud tanks.			885	885	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/7/2012	Days From Spud :	0	Current Depth :	885 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	12	Completed run testing equip, Rig was accepted to working rate at 07:00 hrs 12-6-2012. Installed and tested all BOP components to required pressures with no issues. Coupled up flow & fill up lines. Mixed chemicals & raised fluid wt. 9.8 ppg. Installed wear bushing, strapped & calipered 12.25" BHA and are currently making it up to RIH, test casing and drill out. Trucks scheduled to deliver 9 5/8" intermediate csg at 9:00am today.			885	885	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/8/2012	Days From Spud :	0	Current Depth :	1295 Ft	24 Hr. Footage Made :	410 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Trouble shoot & repair top drive link tilt system, (13.5 hrs) Continued picking up 12.25" BHA & RIH, Tested csg to 500 psi, drilled out shoe track. Drilled 905' to 1295'			885	1295	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/9/2012	Days From Spud :	0	Current Depth :	2648 Ft	24 Hr. Footage Made :	1353 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Drilled 1295' to 2648' (24 hrs drilling)			1295	2648	NIH	
Total:	24.00								

Well Name:UNIVERSITY 12 #1001H									
Field Name:	Lin (Wolfcamp)		S/T/R:	//		County,State:			
Operator:	Enduring Resources, LLC		Location Desc:			District:	Southern		
Daily Summary									
Activity Date :	12/10/2012	Days From Spud :	0	Current Depth :	3209 Ft	24 Hr. Footage Made :	561 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Drilled 2648' to 3209' (11 hrs drilling) Top drive kicked out & would not drill., Found damaged encoder and decision was made to TD intermediate casing point at 3209' (3420' planned). Circ & wait on gyro. R/U and run gyro. Lost 67k of string wt while rotating with rotary during gyro run.. Screwed into parted string, pipe was stuck, circulate and reduced mud wt to 9.3 ppg, pumped and spotted 8.6 ppg SO lube & F/W pill on back side of BHA. Pipe came free 1 hr after spotting pill, Currently circ bottoms up prior to TOH and run casing			2648	3209	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/11/2012	Days From Spud :	0	Current Depth :	3209 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	05	Circulate & condition mud, Trouble shoot & bypass pipe handler system on top drive., TOH laid down 12.25" BHA, Removed wear bushing, R/U csg tools & 9 5/8" shoe track			3209	3209	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/12/2012	Days From Spud :	0	Current Depth :	3209 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	08	Ran 9 5/8" csg & cemented, floats did not hold, shut in & WOC 4 hrs, bled off casing w/ no issues, Packed off tested well head seal assembly. Rig was put on down time at 00:01 hrs 12-12-12 for nessasary repairs to top drive. Rotating head assembly to be changed out and new encoder to be installed. Informed by Ensign rig manager approximate time for repairs 14-18 hrs.			3209	3209	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/13/2012	Days From Spud :	0	Current Depth :	3209 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	08	Rig repair - Changed out hydraulic rotating head assembly & encoder on top drive. Function tested link tilt, make up torque & pipe handler. A spin test was done in drill mode. Not able to apply & test drilling torque until on bottom. Installing wear bushing at 6:15 am, Currently picking up 8.75" steerable assembly.			3209	3209	NIH	
Total:	24.00								

Well Name: UNIVERSITY 12 #1001H									
Field Name:	Lin (Wolfcamp)		S/T/R:	//		County, State:			
Operator:	Enduring Resources, LLC		Location Desc:			District:	Southern		
Daily Summary									
Activity Date :	12/14/2012	Days From Spud :	0	Current Depth :	3665 Ft	24 Hr. Footage Made :	456 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Made up BHA #2. Repaired link tilt pressure switch. TIH, inspecting all connections. Troubleshot and repaired standpipe pressure gauges. Tested casing. Drilled float equipment. Drilled from 3198 to 3665.			3209	3665	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/15/2012	Days From Spud :	0	Current Depth :	6322 Ft	24 Hr. Footage Made :	2657 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Drilled from 3665 to 4594. Serviced Rig. Drilled from 4594 to 5184. Circulated and cleared clogged shaker slides. Drilled from 5184 to 6322.			3665	6322	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/16/2012	Days From Spud :	0	Current Depth :	6710 Ft	24 Hr. Footage Made :	388 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Drilled to 6475. Circulated a high vis sweep. Tripped out of the hole. Picked up directional assembly. Tripped in the hole to 5930. (Performed trip drill) Repaired drawworks brake calipers. Picked up drillpipe from racks and drilled from 6475 to 6710.			6322	6710	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/17/2012	Days From Spud :	0	Current Depth :	7434 Ft	24 Hr. Footage Made :	724 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	02	Drilled ahead, building curve f/ 6710 to 7434.			6710	7434	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/18/2012	Days From Spud :	0	Current Depth :	7652 Ft	24 Hr. Footage Made :	218 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	06	Drilled from 7434 to 7652, landed curve. Circulate high vis sweep. TOH to casing shoe. Serviced rig and changed caliper on DW. TOH to BHA. L/D BHA #3 and P/U BHA #4. TIH to 6000 ft at report time.			7434	7652	NIH	
Total:	24.00								

Well Name:UNIVERSITY 12 #1001H										
Field Name:		Lin (Wolfcamp)		S/T/R:		//		County,State:		
Operator:		Enduring Resources, LLC		Location Desc:				District: Southern		
Daily Summary										
Activity Date :		12/19/2012		Days From Spud :		0		Current Depth : 9836 Ft 24 Hr. Footage Made : 2184 Ft		
Rig Company :				Rig Name:						
Formation :				Weather:						
Operations										
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run
6:00	24.00	02	Finished TIH with lateral assembly. Drilled from 7652 to 9836. (2184 ft in 23 hrs)					7652	9836	NIH
Total:		24.00								
Daily Summary										
Activity Date :		12/20/2012		Days From Spud :		0		Current Depth : 11700 Ft 24 Hr. Footage Made : 1864 Ft		
Rig Company :				Rig Name:						
Formation :				Weather:						
Operations										
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run
6:00	24.00	02	Drilled ahead from 9836 to 10735. Serviced Rig. Drilled ahead from 10735 to 11700. Troubleshoot generator engine #2.					9836	11700	NIH
Total:		24.00								
Daily Summary										
Activity Date :		12/21/2012		Days From Spud :		0		Current Depth : 13301 Ft 24 Hr. Footage Made : 1601 Ft		
Rig Company :				Rig Name:						
Formation :				Weather:						
Operations										
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run
6:00	24.00	02	Drilled rotating & sliding from 11700' to 13301' (1601') 23.5 hrs drilling; 30 mins rig service					11700	13301	NIH
Total:		24.00								
Daily Summary										
Activity Date :		12/22/2012		Days From Spud :		0		Current Depth : 14331 Ft 24 Hr. Footage Made : 1030 Ft		
Rig Company :				Rig Name:						
Formation :				Weather:						
Operations										
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run
6:00	24.00	02	Drilling, rotating & sliding f/ 13301' to 14331' (1030') 23.5 drilling 30 mins rig service					13301	14331	NIH
Total:		24.00								
Daily Summary										
Activity Date :		12/23/2012		Days From Spud :		0		Current Depth : 15330 Ft 24 Hr. Footage Made : 999 Ft		
Rig Company :				Rig Name:						
Formation :				Weather:						
Operations										
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run
6:00	24.00	02	Drilled rotating & sliding f/ 14331' to 15330' TD. (999') 10.5 hrs drilling, Circ high vis sweeps & conditioned hole. Began laying down 5" DP					14331	15330	NIH
Total:		24.00								

Well Name:UNIVERSITY 12 #1001H									
Field Name:	Lin (Wolfcamp)		S/T/R:	//		County,State:			
Operator:	Enduring Resources, LLC		Location Desc:			District:	Southern		
Daily Summary									
Activity Date :	12/24/2012	Days From Spud :	0	Current Depth :	15330 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	12	Finished laying down 5" drillpipe & directional tools, removed wear bushing, Rigged up & running 5.5 csg to 2300' at report time			15330	15330	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/25/2012	Days From Spud :	0	Current Depth :	15330 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	12	Finished running 5.5" csg to 15330', opened floatation collar, circulated as per procedure, held pre-job safety & pumping procedure meeting, currently mixing spacer and preparing to cement.			15330	15330	NIH	
Total:	24.00								
Daily Summary									
Activity Date :	12/26/2012	Days From Spud :	0	Current Depth :	15330 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					
Operations									
Start	Hrs	Code	Remarks			Start Depth	End Depth	Run	
6:00	24.00	12	Cemented 5.5" csg, nipples down BOPs, set csg slips, Nippled up Tbg head, finished cleaning mud tanks, Rig released to mobilization rate @ 22:30 hrs 12-25-2012. Plans forward are to begin moving & inspecting drill pipe. Camp housing will not be moved until tomorrow.			15330	15330	NIH	
Total:	24.00								
Formation									
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments				