



## Enduring Resources II, LLC

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

## Drilling Chronological Regulatory

Well Name: UNIVERSITY 09 #1811H										
Field Name:	Lin (Wolfcamp)	S/T/R:	//	County, State:						
Operator:	Enduring Resources, LLC	Location Desc:		District:	Southern					
Project AFE:	DV02176	AFEs Associated:								/ / /
Daily Summary										
Activity Date :	1/11/2014	Days From Spud :	-2	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	14	L/D Catwalk, remove stairs from floor, remove choke, flow line, koomey unit and HPU unit. Walk rig to University 09-1811H. Rig up and function test equipment. Cut off conductor and 13 3/8 casing, weld on well head and test, weld 3" valve to 13 3/8.				0	0	NIH	
Total:	24.00									
Daily Summary										
Activity Date :	1/12/2014	Days From Spud :	-1	Current Depth :	912 Ft	24 Hr. Footage Made :	202 Ft			
Rig Company :				Rig Name:						
Formation :				Weather:						
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	24.00	02	Nipple up BOPS, Test BOPS and related equipment, measure and caliper BHA, Pick up directional BHA, TIH, Tagged cement @ 653', displaced with OBM, tested casing to 500 psi for 30 min, drilled cement and float equipment 653' to 710', Drilled 12 1/4 hole 710' to 912' in 2 hours @ 101 fph.				710	912	NIH	
Total:	24.00									
Daily Summary										
Activity Date :	1/13/2014	Days From Spud :	1	Current Depth :	1195 Ft	24 Hr. Footage Made :	283 Ft			
Rig Company :				Rig Name:						
Formation :				Weather:						
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	24.00	02	Rotate 912' to 1195' in 2.5 hours @ 113.2 fph, Trouble shoot MWD, Circ and pump slug, POOH, remove MWD, Install wear bushing, Install and test MWD, TIH to 1195', Slide and rotate 1195' to 2264', Slide 30' in 2 hours @ 15 fph, Rotate 1322' in 14 hours @ 94.4 fph, 1 hour trouble shoot MWD, 5 hours Circulate and Trip, 1 hour working on pumps, 1 hour working on solids control				912	1195	NIH	
Total:	24.00									
Daily Summary										
Activity Date :	1/14/2014	Days From Spud :	2	Current Depth :	3250 Ft	24 Hr. Footage Made :	2055 Ft			
Rig Company :				Rig Name:						
Formation :				Weather:						
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	24.00	02	Rotate and slide 2264' to 3250', Slide 4' in 1 hour, Rotate 982' in 22 hours @ 44.63 fph, 1 hour trouble shooting pressure spike, 1/2 hour rig service. @ report time going to pump slug and POOH due to decreased drilling rate. Drilling rate down to 23 fph.				1195	3250	NIH	
Total:	24.00									

**Well Name:UNIVERSITY 09 #1811H**

Field Name:	Lin (Wolfcamp)	S/T/R:	//	County,State:	
Operator:	Enduring Resources, LLC	Location Desc:		District:	Southern

**Daily Summary**

Activity Date :	<b>1/15/2014</b>	Days From Spud :	3	Current Depth :	3739 Ft	24 Hr. Footage Made :	489 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Rotate 3250' to 3265', ROP had dropped to 23 fph, Circulate, build and pump slug, POOH to BHA, Change out bit and motor, Make up new BHA, install and test MWD, TIH, Rotate 3265' to 3739' in 10 hours @ 47.4 fph.	3250	3739	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>1/16/2014</b>	Days From Spud :	4	Current Depth :	5150 Ft	24 Hr. Footage Made :	1411 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Rotate 3739' to 5150', 1411' in 24 hours @ 58.79 fph.	3739	5150	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>1/17/2014</b>	Days From Spud :	5	Current Depth :	6270 Ft	24 Hr. Footage Made :	1120 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Rotate 5150' to 6270' in 19 hours @ 58.94 fph, Pump Hi-vis sweep and circulate, POOH.	5150	6270	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>1/18/2014</b>	Days From Spud :	6	Current Depth :	6270 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	Finish POOH, L/D BHA, Pull wear bushing, change elevators and links, R/U Pipe Pros casing crew, Held PJSM with casing crew, Ran 9 5/8"-40#-L80 and J55, Ran Shoe, 1 joint 9 5/8, float collar, 153 joints 9 5/8, 154 JOINTS TOTAL Made up landing joint with hanger and hung off 9 5/8, Shoe set @ 6259', R/U cement head, Circulate 5 1/2 hours waiting on Schlumberger cement equipment. Held PJSM with Schlumberger and rig crew, Hook up Schlumberger cement line and test to 3000 psi, manifold on cement head leaking, @ report time working on cement head. G E Oil and Gas rep to set hanger for 9 5/8 never showed up, Called G E @ 02:00 to see if they could get a pack off on location.	6270	6270	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>1/19/2014</b>	Days From Spud :	7	Current Depth :	6945 Ft	24 Hr. Footage Made :	675 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Cement 9 5/8, Rig down Cementers, Set pack off on 9 5/8, change out elevators, make up directional BHA for 8 3/4 hole, install MWD and test, TIH, tagged @ 6710' circulate and test casing to 1500 psi for 30 min, drill cement and float equipment 6210' to 6270', circulate bottoms up, Rotate and slide 6270' to 6945' in 7.5 hours @ 90.00 fph.	6270	6945	NIH
Total:		24.00				

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**Daily Summary**

Activity Date :	<b>1/20/2014</b>	Days From Spud :	8	Current Depth :	8035 Ft	24 Hr. Footage Made :	1090 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Rotate 6945' to 7514', 569' in 6 hours @ 94.83 fph. 7514; FOP, Build curve 7514' to 8035' 521' in 18 hours @ 28.94 fph.	6945	8035	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>1/21/2014</b>	Days From Spud :	9	Current Depth :	9148 Ft	24 Hr. Footage Made :	1113 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Build curve 8035' to 8581' (546' in 17 hours @32.11 fph) Curve landed @ 8581', Rotate and slide 8581' to 9148', Slide 35' in 1 hour, rotate 532' in 5.5 hours @ 96.72 fph,	8035	9148	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>1/22/2014</b>	Days From Spud :	10	Current Depth :	11165 Ft	24 Hr. Footage Made :	2017 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Slide and rotate 9148' to 11165', Slide 149' in 4 hours @ 37.25 fph, Rotate 1868' in 20 hours @ 93.4 fph.	9148	11165	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>1/23/2014</b>	Days From Spud :	11	Current Depth :	12353 Ft	24 Hr. Footage Made :	1188 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	23	Slide and rotate 11165' to 12353', Slide 128' in 6 hours @ 21.33 fph, Rotate 1060' in 14.5 hours @ 73.10 fph, Circulated and worked on #1 pump for 3 1/2 hours, Drilled 12 hours with 1 pump. Changed discharge module on #1 pump.	11165	12353	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>1/24/2014</b>	Days From Spud :	12	Current Depth :	13798 Ft	24 Hr. Footage Made :	1445 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Slide and rotate 12353' to 13798' TD, Slide 82' in 3 hours @ 27.33 fph, rotate 1363' in 17.5 hours @ 77.88 fph, Circulate and pump sweeps 3.5 hours.	12353	13798	NIH
Total:		24.00				

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**Daily Summary**

Activity Date :	<b>1/25/2014</b>	Days From Spud :	13	Current Depth :	13798 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 and pump skug, POOH with 5 stands and rack in derrick, L/D DP and BHA, Rig up Pipe Pros casing crew, Held PJSM with Pipe Pros casing crew and rig crew, Made up shoe track, running 5 1/2" production casing. 25 joints run @ report time.	13798	13798	NIH
Total:			24.00			

**Daily Summary**

Activity Date :	<b>1/26/2014</b>	Days From Spud :	14	Current Depth :	13798 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	Ran 5 1/2" production casing, 316 joints + 6 marker joints, Shoe set @ 13796'. Rig down Pipe Pros casing crew, Rig up Schlumberger cement equipment, Busted flotation collar with 2550 psi, work air out of casing, circulate, pump down plug and burdt with 1200 psi, circulate. Held PJSM with Schlumberger and rig crew, Cement 5 1/2" production casing, Pumping displacement at report time. Called TRRC, reported running 5 1/2" production casing and cementing, Trucks to move rig will be here Tuesday 1-28-2014.	13798	13798	NIH
Total:			24.00			

**Daily Summary**

Activity Date :	<b>1/27/2014</b>	Days From Spud :	15	Current Depth :	13798 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 cementing 5 1/2" production casing as per program, bumped plugs on time, floats held, 100 bbls cement returned to surface, nipple down BOPS, set slips with 150K, cut off casing, finished nipple down, installed tubing head and test. Pinned off top drive, ready BOPS for transport, slip and cut drill line, prep rig for move, cleaning mud tanks, cleaning rig.	13798	13798	NIH
Total:			24.00			

**Daily Summary**

Activity Date :	<b>1/28/2014</b>	Days From Spud :	16	Current Depth :	13798 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	Rigging down back yard, rig down catwalk, remove walking feet, install raising cylinders, cleaning sub base. Trucks to move rig will be here this AM 1-28-2014, moving houses today, Inspecting DP, LAST REPORT FOR UNIVERSITY 09-1811H	13798	13798	NIH
Total:			24.00			

**Formation**

Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments