



Enduring Resources II, LLC

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

Drilling Chronological
Regulatory

Well Name: UNIVERSITY 49 #0903H					
Field Name:	Lin (Wolfcamp)	S/T/R:	//	County, State:	
Operator:	Enduring Resources, LLC	Location Desc:		District:	Southern
Project AFE:	DV02030	AFEs Associated:			/ / /

Daily Summary					
Activity Date :	4/9/2013	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 Ensign 760, set mud tanks, set gen package, set diesel tank, water tank, set parts houses, set sub base, pin derrick to sub base, raise derrick, Hooking up electric lines, rigging up mud tanks. Rig is 100% moved and 50% rigged up.	0	0	NIH
Total:		24.00				

Daily Summary					
Activity Date :	4/10/2013	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	Rigging up Ensign 760, wire up draw works, hook up lines to mud tanks, run electrical wires to rig floor, hook up lines to catwalk, hook up lines to koomey unit. Rig up seperator and choke, string up draw works. SHOULD SPUD THURSDAY 4-11-2013 MID DAY.	0	0	NIH
Total:		24.00				

Daily Summary					
Activity Date :	4/11/2013	Days From Spud :	0	Current Depth :	885 Ft
				24 Hr. Footage Made :	885 Ft
Rig Company :		Rig Name:			
Formation :		Weather:			

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	23	finish rig up, nipple up and test BOP's, install wear bushing, pick up BHA and drill pipe, tagged at 885', circulate and test casing to 500 PSI, drill cement and float equipment to 945', pump sweep and circulate out.	0	885	NIH
Total:		24.00				

Daily Summary					
Activity Date :	4/12/2013	Days From Spud :	0	Current Depth :	2145 Ft
				24 Hr. Footage Made :	1260 Ft
Rig Company :		Rig Name:			
Formation :		Weather:			

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Drilled 12 1/4" hole from 945' to 2145' (1200' @ 50'/hr.)	885	2145	NIH
Total:		24.00				

Well Name:UNIVERSITY 49 #0903H

Field Name:	Lin (Wolfcamp)	S/T/R:	//	County, State:	
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Daily Summary

Activity Date :	4/13/2013	Days From Spud :	0	Current Depth :	2835 Ft	24 Hr. Footage Made :	690 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Drilled 12 1/4" hole from 2145' to 2835' (690' @ 29'/hr.)	2145	2835	NIH
Total:	24.00					

Daily Summary

Activity Date :	4/14/2013	Days From Spud :	0	Current Depth :	3863 Ft	24 Hr. Footage Made :	1028 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Drilled 12 1/4" hole from 2835' to 3863' (1028' @ 44'/hr.)	2835	3863	NIH
Total:	24.00					

Daily Summary

Activity Date :	4/15/2013	Days From Spud :	0	Current Depth :	4752 Ft	24 Hr. Footage Made :	889 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	DRILLING: ROTATE 3863' TO 4725' (862' @ 35.9 FPH) ROTARY STALLING WITH HIGH TORQUE, HAD TOP DRIVE CHECKED OUT, CHECK ED OUT OK, TRYING TO SET UP A STRESS TEST FOR TOP DRIVE.	3863	4752	NIH
Total:	24.00					

Daily Summary

Activity Date :	4/16/2013	Days From Spud :	0	Current Depth :	4850 Ft	24 Hr. Footage Made :	98 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	12	Drilled to 4850', 9 5/8 casing point, pumped weep, dropped gyro, POOH to bha, L/D BHA, rig up Pipe Pros casing crew, held PJSM, Ran 9 5/8 casing, At 06:00 rigging up to circulate casing. Contacted TRRC for running and cementing 9 5/8.	4752	4850	NIH
Total:	24.00					

Daily Summary

Activity Date :	4/17/2013	Days From Spud :	0	Current Depth :	5577 Ft	24 Hr. Footage Made :	727 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	CIRCULATED, HELD PJSM WITH SCHLUMBERGER AND DRILL CREW, CEMENTED 9 5/8, CEMENT JOB WENT FINE, PLUG BUMPED ON TIME, FLOATS HELD, PART OF SPACER RETURNED TO SURFACE, BACKED OFF LANDING JOINT, SET PACK OFF AND TESTED, MADE UP 8 3/4 DIRECTIONAL BHA, TIH, TAGGED AT 4790', TESTED CASING TO 2700 PSI, DRILLED CEMENT, FLOAT EQUIPMENT AND OPEN HOLE TO 4850' DRILL NEW FORMATION 4850' TO 5577' IN 8 HOURS.	4850	5577	NIH
Total:	24.00					

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Daily Summary

Activity Date :	4/18/2013	Days From Spud :	0	Current Depth :	6817 Ft	24 Hr. Footage Made :	1240 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Rotated to 6549' (972' in 12.5 hours) serviced rig, started building curve at 6549' slide drilling to 6817' (268' in 11 hours)	5577	6817	NIH
Total:		24.00				

Daily Summary

Activity Date :	4/19/2013	Days From Spud :	0	Current Depth :	7508 Ft	24 Hr. Footage Made :	691 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 6817' to 7508' (691 @ 29.4 FPH) building curve, 1/2 hour rig service.	6817	7508	NIH
Total:		24.00				

Daily Summary

Activity Date :	4/20/2013	Days From Spud :	0	Current Depth :	12985 Ft	24 Hr. Footage Made :	5477 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 11073' to 12985' (1912' @ 81.4 FPH in 23.5 hours) 1/2 hour rig service. Slide 5 1/2 hours, Rotate 18 hours.	7508	12985	NIH
Total:		24.00				

Daily Summary

Activity Date :	4/21/2013	Days From Spud :	0	Current Depth :	12985 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	23	Slide and rotate 8433' to 11073' (2640' @ 117.3 FPH in 22.5 hours) 1 hour changing swivel packing, 1/2 hour rig service.	12985	12985	NIH
Total:		24.00				

Daily Summary

Activity Date :	4/22/2013	Days From Spud :	0	Current Depth :	12985 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	23	Slide and rotate 11073' to 12985' (1912' @ 81.4 FPH in 23.5 hours) 1/2 hour rig service. Slide 5 1/2 hours, Rotate 18 hours.	12985	12985	NIH
Total:		24.00				

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Daily Summary

Activity Date :	4/23/2013	Days From Spud :	0	Current Depth :	14187 Ft	24 Hr. Footage Made :	1202 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 12985' to 14187' (1202' in 23.5 hours, 51.1 FPH), 1/2 hour rig service. Slide drilled for 12.5 hours, rotate for 11 hours.	12985	14187	NIH
Total:			24.00			

Daily Summary

Activity Date :	4/24/2013	Days From Spud :	0	Current Depth :	15161 Ft	24 Hr. Footage Made :	974 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 14187' to 15161' (974' @ 41.4 FPH in 23.5 hours) 1/2 hour rig service, Slide 13 hours, rotate 10.5 hours.	14187	15161	NIH
Total:			24.00			

Daily Summary

Activity Date :	4/25/2013	Days From Spud :	0	Current Depth :	15161 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	02	Slide and rotate 15161' to 15713' (552' in 24 hours @ 23 FPH), slide 17 hours, rotate 7 hours.	15161	15161	NIH
Total:			24.00			

Daily Summary

Activity Date :	4/26/2013	Days From Spud :	0	Current Depth :	16224 Ft	24 Hr. Footage Made :	1063 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 15713' to 16224' (511' in 24 hours @ 21.3 FPH), slide 17 hours, rotate 7 hours.	15161	16224	NIH
Total:			24.00			

Daily Summary

Activity Date :	4/27/2013	Days From Spud :	0	Current Depth :	16845 Ft	24 Hr. Footage Made :	621 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Backream 5 stds out of hole, pressure and torque came up, pumped 2 hi-vis sweeps and circulate, pressure was back to normal, washed to bottom and drilled 16224' to 16565', pressure came up 400 to 500 psi, backreamed 5 stds out of hole, pumped 2 hi-vis sweeps, pressure back to normal, wash to bottom, drilled 16565' to 16845', the cuttings remained normal size.	16224	16845	NIH
Total:			24.00			

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Daily Summary

Activity Date :	4/28/2013	Days From Spud :	0	Current Depth :	17773 Ft	24 Hr. Footage Made :	928 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	Rotated 16845' to 16922', Pumps sweeps and circulate hole clean, Rotated 16922' to 17498', Slide 17498' to 17520', Rotated 17520' to 17773', Pressure came up 300 PSI, Pump sweeps and circulate hole clean. Cuttings normal size, lot of cuttings across shakers with sweeps.	16845	17773	NIH

Total: 24.00

Daily Summary

Activity Date :	4/29/2013	Days From Spud :	0	Current Depth :	18000 Ft	24 Hr. Footage Made :	227 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	23	Pump sweeps, circulate hole clean, drill 17773' to 18000' TD, pump sweeps and circulate, while circulating pressure dropped 400 PSI, torque stayed normal, worked pipe 90' while circulating, tagged bottom with no problems, backreamed 20 stds out of hole, L/D DP.	17773	18000	NIH

Total: 24.00

Daily Summary

Activity Date :	4/30/2013	Days From Spud :	0	Current Depth :	18000 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	23	L/D DP and directional BHA, TIH with 20 stds out of derrick, Finish L/D 5" DP, rig up Pipe Pros casing crew, running 5 1/2" - 17# - P110 casing with DQX threads, @ 9775', 251 joints in hole @ 06:00.	18000	18000	NIH

Total: 24.00

Daily Summary

Activity Date :	5/1/2013	Days From Spud :	0	Current Depth :	18000 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	23	Ran 5 1/2" - 17# - P110 casing, 480 joints, shoe set @ 17995', busted floatation collar, worked out air, dropped blue plug to clean out casing, circulated, busted plug with 2039 PSI, held PJSM, cemented 5 1/2" casing with no problems, dropped yellow plug, pumped 7 bbls sugar water, dropped blue plug and displaced, yellow plug landed on time, busted yellow plug with 3319 PSI, bumped blue plug on time, flowed back 4 bbls, floats held, no cement to surface, 2 bbls spacer at surface.	18000	18000	NIH

Total: 24.00

Daily Summary

Activity Date :	5/2/2013	Days From Spud :	0	Current Depth :	18000 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	Rig down cementers, nipple down BOP's, set slips, cut off casing, Finish nipple down, install DSA, make final cut on casing, install head, test head to 5000 PSI, Install cap on head, cleaning mud tanks, prep rig for move. RIG RELEASED TO MOVE AT 18:00 5-1-2013. TRUCKS WILL BE HERE AM 5-2-2013	18000	18000	NIH

Total: 24.00

Well Name: UNIVERSITY 49 #0903H				
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Field Name:	Lin (Wolfcamp)	S/T/R:	//	County, State:	
Operator:	Enduring Resources, LLC	Location Desc:		District:	Southern

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