

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN,
PLUGBACK, OR ADD A ZONE**

¹ Operator Name and Address LIME ROCK RESOURCES A, L.P. 1111 Bagby St., Suite 4600 Houston, TX 77002		² OGRID Number 255333
³ Property Code 38347	⁵ Property Name ASPEN 32 STATE COM	³ API Number 30-015-34148
⁹ Proposed Pool 1 SWD; CANYON Undesignated Cisco (26184)		⁶ Well No. 1
¹⁰ Proposed Pool 2		

7 Surface Location

UL or lot no. J	Section 32	Township 17S	Range 28E	Lot Idn	Feet from the 1370	North/South line South	Feet from the 1609	East/West line East	County Eddy
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code S	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3669'
¹⁶ Multiple No	¹⁷ Proposed Depth 9400'	¹⁸ Formation CANYON Und. Cisco	¹⁹ Contractor	²⁰ Spud Date 11/1/10

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
*17-1/2"	13-3/8"	48# H-40	478'	400 sx	Circ
*12-1/4"	9-5/8"	40# N-80	2600'	1100sx	Circ
8-3/4"	7"	29# I-80	9400'	500 sx	~6392'
*EXISTING					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This well was P&Aed on 10/18/05.

CANYON We propose to re-enter this wellbore w/8-3/4" bit to ~9400'. Set 7" 29# L-80 csg & cmt w/500 sx cmt. Est. TOC @ ~6392'. Perf the *CANYON* Cisco formation @ about 8151'-8578' & stimulate the *CANYON* Cisco formation as required. A 7" pkr will be set @ ~8060' on 3-1/2" 9.3# J-55 plastic lined tbg. The well will be completed as a SWD as per SWD-1247.

RECEIVED

OCT 01 2010

NMOC D ARTESIA

OIL CONSERVATION DIVISION

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Mike Pippin

Approved by:

RDade

Printed name: Mike Pippin

Title:

DIST # Supervisor

Title: Petroleum Engineer

Approval Date:

10/25/2010

Expiration Date:

10/25/2011

E-mail Address: mike@pippinllc.com

Date: 10/1/10

Phone: 505-327-4573

Conditions of Approval Attached ☐

SWD-1247

KZ

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34148	² Pool Code 96184	³ Pool Name SWD; CANYON Undesignated Cisco
⁴ Property Code	⁵ Property Name ASPEN 32 STATE COM	⁶ Well Number 1
⁷ OGRID No. 255333	⁸ Operator Name LIME ROCK RESOURCES A, L.P.	⁹ Elevation 3669' GL

¹⁰ Surface Location

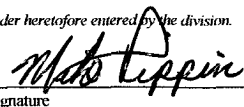
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	32	17-S	28-E		1370'	SOUTH	1609	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. SWD-1247
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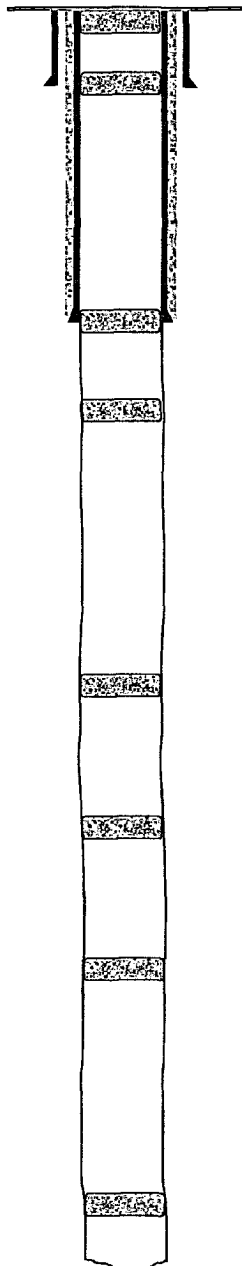
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature _____ Date 10/1/10 Mike Pippin Printed Name
				¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> 4/5/05 Date of Survey _____ Signature and Seal of Professional Surveyor: Micheal L. Stanford 10324 Certificate Number




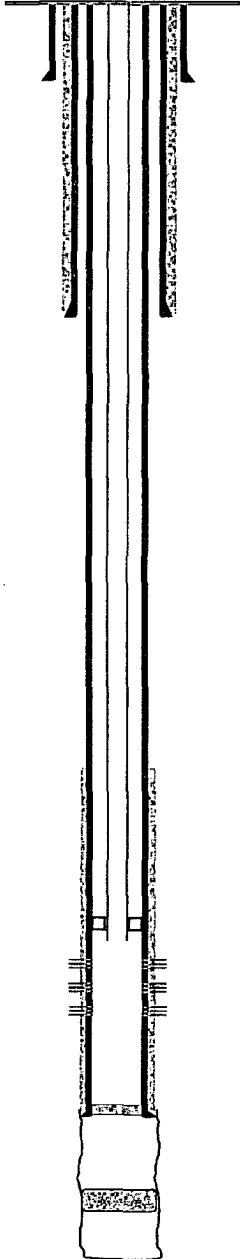
County	Eddy, New Mexico	Well Name	ASPEN 32 STATE COM #1	Field	Red Lake	Well Sketch:	CURRENT				
Surface Lat:	32° 47' 15"	BH Lat:	32° 47' 15"	Survey:	Sec. 32-T17S-R28E	API #	30-015-34148				
Surface Long:	104° 11' 39"	BH Long:	104° 11' 39"		1370' FSL & 1609' FEL		014744				
Directional Data:				Tubular Data				Wellhead Data			
KOP	0'	Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC	Type:	
Max Dev:	0.0°	Conductor	16"	84#	DRIVE	BRD	40'	40'	-	WP:	
Dreg sev:	0.0°	Surface	13 3/8"	48#	H-40	STC	428'	428'	SURF	Flange:	
Dev @ Perfs:	0.0°	Intermediate	9 5/8"	40#	J-55	LTC	2,660'	2,660'	SURF	Tree Cap	
Ret to Vert:	0°	Production								Thread:	
		Liner								Tbg Hanger:	
Drilling / Completion Fluid				CEMENT DATA				STM Flange:			
Drilling Fluid:		Us/ks	Yld	Wt	T/ks	Yld	Wt	XS	BPV Profile:		
Completion Fluid:		Surface	200		12.7	200		14.8	Elevations:	3,669'	
Completion Fluid:		Intermediate	500		12.7	600		14.8	RKB-GL:		
Packer Fluid:		Liner							DF - GL:		
		Production									

Wellbore Sketch



Drilling Information

DEPTHS (TVD)	HOLE SIZE - BITS - BHA	WELL PATH		FORMATION TOPS / WELL INFO	MUD PROPERTIES		
		INC	AZI		MW	PV	YP
0'	17 1/2"	0.0°	0.0°	60' Cmt Plug (19 sks)			
390'				60' Cmt Plug (19 sks)			
428'	12 1/4"			SURFACE CASING			
632'				7 RIVERS			
990'				BOWERS SAND			
1,208'				QUEEN			
1,981'				SAN ANDRES			
2,613'				100' Cmt Plug (41 sks)			
2,660'	8 3/4"			INTERMEDIATE CASING			
3,314'				100' Cmt Plug (41 sks)			
3,412'				GLORIETTA			
4,767'				TUBB			
5,383'				ABO			
5,468'				100' Cmt Plug (42 sks)			
6,892'				WOLFCAMP			
6,949'				100' Cmt Plug (42 sks)			
7,735'				UPPER PENN.			
8,198'				CISCO (TOP)			
8,238'				100' Cmt Plug (51 sks)			
8,790'				CISCO (BOTTOM)			
9,096'				STRAWN			
9,696'				ATOKA			
9,941'				100' Cmt Plug (42 sks)			
10,400'		0.0°	0.0°	TD			
Comments:					Plug back Depth:		
Comments Here.....					Total Well Depth:		
					Prepared By:		
					Date:		
					R. CHISELIN		
					7-Jul-10		

	County	Well Name		Field	Well Sketch:						
	Eddy, New Mexico	ASPEN 32 STATE COM #1		Red Lake	PROPOSED						
	Surface Lat:	32° 47' 15"	BH Lat:	32° 47' 15"	Survey:	Sec. 32-T17S-R28E					
	Surface Long:	104° 11' 39"	BH Long:	104° 11' 39"		API # 30-015-34148					
						014744					
Directional Data:		Tubular Data						Wellhead Data			
KOP:	0'	Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC	Type:	
Max Dev.:	0.0°	Conductor	16"	84#	DRIVE	8RD	40'	40'	-	WP:	
Dleg sev.:	0.0°	Surface	13 3/8"	48#	H-40	STC	428'	428'	SURF	Flange:	
Dev @ Perfs:	0.0°	Intermediate	9 5/8"	40#	J-55	LTC	2,660'	2,660'	SURF	Tree Cap:	
Ref to Vert:	0'	Production	7"	29#	L-80	LTC	9,400'	9,400'	SURF	Thread:	
		Tubing	3 1/2"	9.3#	J-55	LTC	8,090'	8,090'	N/A	Tbg Hanger:	
Drilling / Completion Fluid		CEMENT DATA						8TM Flange:			
Drilling Fluid:		L/sks	Yld	Wt	T/sks	Yld	Wt	XS	BPV Profile:		
Drilling Fluid:		200		12.7	200		14.8		Elevations:	3,690'	
Completion Fluid:		500		12.7	600		14.8		RKB-GL:		
Completion Fluid:		500	1.34	14.2	-	-	-	50	DF - GL:		
Packer Fluid:											
Wellbore Sketch		Completion Information									
		WELL INFO		PERFORATIONS		# of HOLES		DETAILS			
		DEPTHS (TVD)		from	to						
		0'									
		428'	SURFACE CSG								
		632'	7 RIVERS								
		990'	BOWERS SAND								
		1,208'	QUEEN								
		1,981'	SAN ANDRES								
		2,660'	INTERMEDIATE CSG								
		3,412'	GLORIETTA								
		4,767'	TUBB								
		5,383'	ABO								
		6,392'	TOP OF CEMENT								
		6,892'	WOLFCAMP								
		7,735'	UPPER PENN.								
		8,060'	PACKER								
		8,144'	CISCO (TOP)								
			PERFORATIONS	8,151'	to	8,578'	534	3 SPF, 120 deg. 0.4" EHD (178" Net)			
		8,790'	CISCO (BOTTOM)								
		9,096'	STRAWN								
		9,400'	PRODUCTION CSG								
		9,696'	ATOKA								
		9,941'	100' Cmt Plug (42 sks)								
		10,400'	TD								
Comments:		MIRU WLU and Perforate Cisco. Acidize and frac Cisco down casing.						Plug back Depth:			
								Total Well Depth:		10,400'	
								Prepared By:		Date:	
								R. GHISELIN		24-Jun-10	