

CURRENT WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	OGRID: API: 30-025-40580 AFE: 105222 SPUD: 7/15/12 @ 00:00 hrs FRR: 8/4/12 @ 03:30 hrs RIG: Cactus #139			Black Bear 36 State #4H Red Hills(Bone Spring) Field Lea County, New Mexico	SURF: 220' FSL & 1340' FEL LOC: Sec. 36 SURVEY: T-25-S, R-33-E GL: 3323.0' KB: 3348.0' ZERO: 25.0' AGL			HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION	
2,000'	Rustler - 960'			20" Conductor @ 100'			17-1/2"	8.6	FW	Brine	86	N/A				
T / Salado - 1310'	Surface Casing @ 994' 13-3/8" 61# J-55 BTC cement w/ 500 sx Class C + 4.0% Bentonite + 1.0% CaCl2 + 0.25 pps Celloflake (13.5 ppg, 1.734 yld), followed by 300 sx Class C + 1.0% CaCl2 (14.8 ppg, 1.335 yld). Bump plug w/ 846 psi and circ 243 sx to surface			9.0												
3,000'	Salt			10.0												
5,000'	B / Salado - 4910'			TOC @ 4,600'				12-1/4"	10.2					117	NA	
Lamar - 5150'																
Bell Canyon - 5180'																
6,000'	Cherry Canyon - 6180'															
7,000'	Intermediate Casing @ 5,050' 9-5/8", 40#, J-55, LT&C (0' - 3871') 9-5/8", 40#, HCK-55, LT&C (3871' - 5,050') Cement w/ 1125 sx Class C + 2.0% SMS + 10.0% Salt + 1.10% R-3 + 0.25 pps Celloflake (12.7 ppg, 2.218 yld), followed by 200 sx Class C + 0.60% FL-62 + 0.45% CD-32 + 0.20% SMS + 0.30% R-3 (14.8 ppg, 6.258 yld). Bump plug w/ 1960 psi and circ 278 sx to surface			8-3/4"	8.4	WBM			N/A							
8,000'	KOP @ ~9,140'															
9,000'	Bone Spring Lime - 9340'			Production Casing @ 14,343' MD, 9,483' TVD 5-1/2" 17# HCP-110 LTC (MJ @ 8836') Cement w/ 375 sx 60:40:0 Class C + 15.0 pps BA-90 + 4.0% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.25% R-21 + 8.0 pps LCM-1 (10.8 ppg, 3.674 yld), followed by 400 sx 50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.50% SMS + 2.0% Salt + 3.0 pps LCM-1 + 0.25 pps Celloflake (11.8 ppg, 2.379 yld), followed by 1300 sx 50:50:2 Class H + 0.65% FL-52 + 0.5% CD-32 + 0.35% SMS + 2.0% Salt + 0.005 gps FP-6L (14.2 ppg, 1.28 yld). Bump plug w/ 2300 psi. Did not circ cement to surface				9.3								
10,000'	Leonard A Top - 9370'															
11,000'	Massive Carbonate - 9670'															

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. 8

Submitted by: EOG Resources, Inc. Hearing

Drig Eng:

S. Munsell

Date:

8/6/2012

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 8
Submitted by: EOG Resources, Inc. Hearing

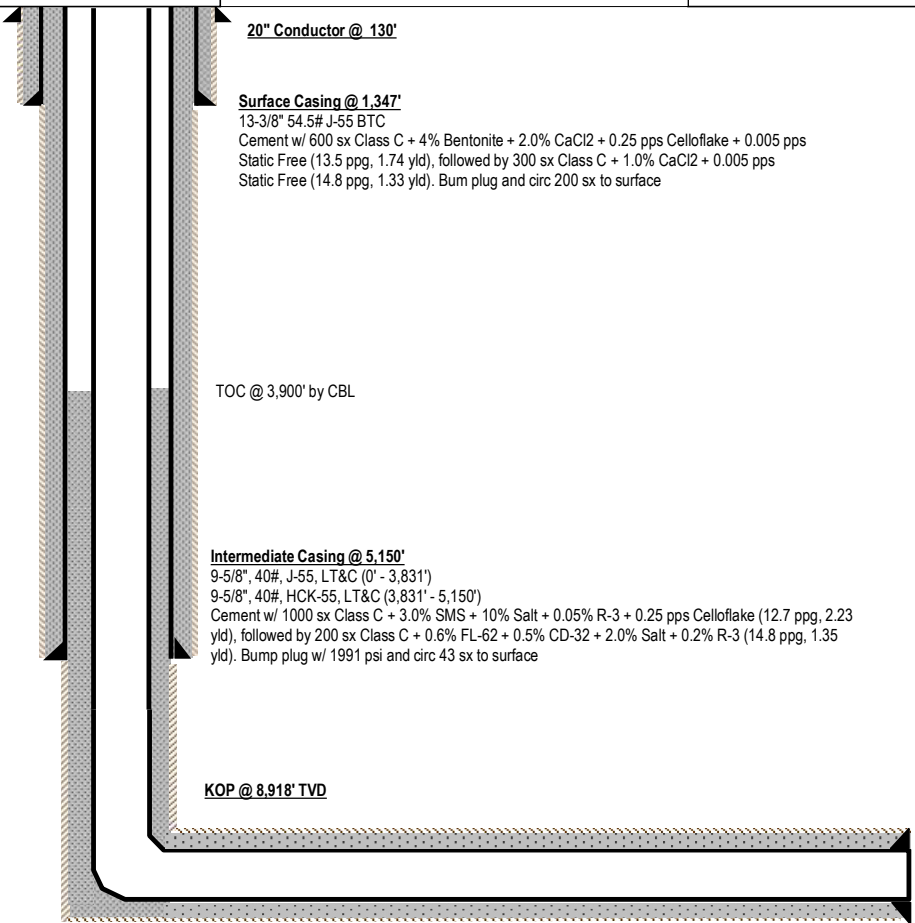
Drig Eng: S. Munsell
Date: 8/6/2012

CURRENT WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	OGRID: API: 30-025-40371 AFE: 104918 SPUD: 7/3/13 @ 11:30 hrs FRR: 7/19/13 @ 23:00 hrs RIG: Cactus #123	Brown Bear 36 State #1H Red Hills(Bone Spring) Field Lea County, New Mexico	SURF: 220' FSL & 645' FWL LOC: Sec. 36 SURVEY: T-25-S, R-33-E GL: 3319.0' KB: 3349.0' ZERO: 30.0' AGL	HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION
2,000'	Rustler - 980'	 Salt	20" Conductor @ 115' Surface Casing @ 1102' 13-3/8" 54.5# J-55 STC Cement lead w/ 500 sx Class "C" + 4% Gel + 2% CaCl2 + .25# Cello Flake + .005# Static free (13.5 ppg, 1.73 yld). Tail in w/ 300 sx Class "C" + 1% CaCl2 (14.8 ppg, 1.34 yld). Circ 207 sx to surface			17-1/2"	8.6	FW	86	N/A	
3,000'	T / Salado - 1340'		Intermediate Casing @ 5,075' 9-5/8", 40#, J-55, LT&C (0' - 3,905') 9-5/8", 40#, HCK-55, LT&C (3,905' - 5,075') Cement w/ 1125 sx Class C + 2.0% SMS + 10.0% Salt + 0.85% R-3 + 0.25 pps Celloflake + 0.005 pps Static Free (12.7 ppg, 2.22 yld), followed by 200 sx Class C + 0.60% FL-62 + 0.35% CD-32 + 0.20% SMS + 2.0% Salt + 0.005 pps Static Free + 0.30% R-3 + 0.005 gps FP-6L (14.8 ppg, 1.35 yld). Bump plug and circ 357 sx to surface.			12-1/4"	10.0	Brine		NA	
5,000'	B / Salado - 4880'		TOC @ 4,300' by CBL			10.2			117		
6,000'	Lamar - 5120'		KOP @ 9,029'			8.4			N/A		
7,000'	Bell Canyon - 5150'		Production Casing @ 14,285' MD, 9,419' TVD 5-1/2" 17# HCP-110 LTC (MJ @ 8899') Cement w/ 350 sx 60/40/0 Class C + 15.0 pps BA-90 + 4.0% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 1.0% EC-1 + 1.85% R-21 + 8.0 pps LCM-1 + 0.005 pps Static Free + 0.005 gps FP-6L (10.8 ppg, 3.71 yld), followed by 425 sx 50/50/6 Class H + 0.20% FL-52 + 0.70% CD-32 + 1.0% EC-1 + 0.50% ASA-301 + 1.80% SMS + 5.0% Salt + 0.10% R021 + 5.0 pps LCM-1 (11.9 ppg, 2.38 yld), followed by 1200 sx 50/50/6 Class H + 0.20% FL-52 + 0.70% CD-32 + 1.0% EC-1 + 0.50% ASA-301 + 1.80% SMS + 5.0% Salt + 0.10% R-21 + 5.0 pps LCM-1 (14.2 ppg, 1.28 yld). Rupture plug and over-displace w/ 4 bbls. Did not circ cement.			9.3			140		
8,000'	Cherry Canyon - 6150'										
9,000'	Bone Spring Lime - 9310'										
10,000'	Leonard A Top - 9340'										
11,000'	Massive Carbonate - 9670'										

Drig Eng: R. Broglie
 Date: 7/22/2013

CURRENT WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	OGRID: 7377 API: 30-025-41494 AFE: 105338 SPUD: 1/8/14 @ 05:30 hrs FRR: 1/30/14 @ 09:30 hrs RIG: Nomac #133	Hawk 25 Fed #1H Red Hills Field Lea County, New Mexico	SURF: 250' FSL & 990' FWL LOC: Sec. 25 SURVEY: T-24-S, R-33-E GL: 3368.0' KB: 3390.5' ZERO: 22.5' AGL	HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION	
2,000'	Rustler - 1200'					17-1/2"	8.6	FW	86	N/A		
	T/ Salado - 1347'			Surface Casing @ 1,347' 13-3/8" 54.5# J-55 BTC Cement w/ 600 sx Class C + 4% Bentonite + 2.0% CaCl2 + 0.25 pps Celloflake + 0.005 pps Static Free (13.5 ppg, 1.74 yld), followed by 300 sx Class C + 1.0% CaCl2 + 0.005 pps Static Free (14.8 ppg, 1.33 yld). Bump plug and circ 200 sx to surface			12-1/4"	10.0	Brine			
3,000'		Salt										
5,000'	B / Salado - 5044'											
	Lamar - 5300'			TOC @ 3,900' by CBL								
	Bell Canyon - 5331'											
6,000'	Cherry Canyon - 6323'											
7,000'				Intermediate Casing @ 5,150' 9-5/8", 40#, J-55, LT&C (0' - 3,831') 9-5/8", 40#, HCK-55, LT&C (3,831' - 5,150') Cement w/ 1000 sx Class C + 3.0% SMS + 10% Salt + 0.05% R-3 + 0.25 pps Celloflake (12.7 ppg, 2.23 yld), followed by 200 sx Class C + 0.6% FL-62 + 0.5% CD-32 + 2.0% Salt + 0.2% R-3 (14.8 ppg, 1.35 yld). Bump plug w/ 1991 psi and circ 43 sx to surface			10.2					
8,000'	Brushy Canyon - 7735'											
			KOP @ 8,918' TVD									
9,000'	Leonard - 9110'					8-3/4"	8.4	WBM		N/A		
	Bone Spring Lime - 9217'											
10,000'			Production Casing @ 14,185' MD, 9,455' TVD 5-1/2" 17# HCP-110 LTC (MJ @ 8838') Cement w/ 300 sx 60:40:0 Class C + 0.2% FL-52 + 15 pps BA-90 + 4% MPA-5 + 1.0% EC-1 + 3.0% SMS + 5.0% A-10 + 0.8% ASA-301 + 1.9% R-21 + 8 pps LCM-1 + 0.25 pps Celloflake + 0.005 pps Static Free + 0.005 gps FP-6L (10.8 ppg, 3.71 yld), followed by 400 sx 50:50:6 Class H + 0.20% FL-52 + 0.65% CD-32 + 1.0% EC-1 + 0.15% ASA-301 + 1.60% SMS + 5.0% Salt + 0.35% R-21 + 5 pps LCM-1 + 0.005 pps Staic Free + 0.25 pps BJ Fiber + 0.25 pps Celloflake + 0.005 gps FP-6L (11.9 ppg, 2.36 yld), followed by 1350 sx 50:50:2 Class H + 0.65% FL-52 + 0.60% CD-32 + 1.0% EC-1 + 0.65% SMS + 2.0% Salt + 0.005 pps Static Free + 0.005 gps FP-6L (14.2 ppg, 1.30 yld). Lost returns w/ 258 bbls. Bump plug w/ 1880 psi. Over displace w/ 1 bbl. Did not circ cement.			9.3						
11,000'	PTD - ~9,385'								140			

Drig Eng:

Date:

K. Castille

1/30/2014

CURRENT WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	Hawk 25 Fed #2H Red Hills Field Lea County, New Mexico			SURF: 250' FSL & 1020' FWL LOC: Sec. 25 SURVEY: T-24-S, R-33-E GL: 3538.0' KB: 3560.5' ZERO: 22.5' AGL			HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION
2,000'	Rustler - 1200'		20" Conductor @ 130'						17-1/2"	8.6	FW	86	N/A	
	T/ Salado - 1347'		Surface Casing @ 1,346' 13-3/8" 54.5# J-55 STC Cement w/ 600 sx Class C + 4.0% Bentonite + 1.0% CaCl2 + 0.25 pps Celloflake (13.5 ppg, 1.73 yld), followed by 300 sx Class C + 1.0% CaCl2 (14.8 ppg, 1.34 yld). Bump plug w/ 1016 psi and circ 201 sx to surface						12-1/4"	10.0	Brine	NA	117	
3,000'			TOC @ 2,660' by CBL											
5,000'	B / Salado - 5044'		Intermediate Casing @ 5,157' 9-5/8", 40#, J-55, LT&C (0' - 4,000') 9-5/8", 40#, HCK-55, LT&C (4,000' - 5,157') Cement w/ 1050 sx Class C + 2.0% SMS + 10.0% Salt + 15.0% R-3 + 0.25 pps Celloflake (12.7 ppg, 2.23 yld), followed by 200 sx Class C + 0.6% FL-62 + 0.5% CD-32 + 2.0% Salt + 0.15% R-3 (14.8 ppg, 1.37 yld). Bump plug and circ 248 sx to surface											
6,000'	Lamar - 5300'		KOP @ ~8,959' TVD											
	Bell Canyon - 5331'								8-3/4"	8.4	WBM	N/A	140	
	Cherry Canyon - 6323'													
7,000'														
8,000'	Brushy Canyon - 7735'													
9,000'	Leonard - 9030'													
	Bone Spring Lime - 9220'							9.3						
10,000'														
11,000'	PTD - ~9,487'													

Drig Eng:

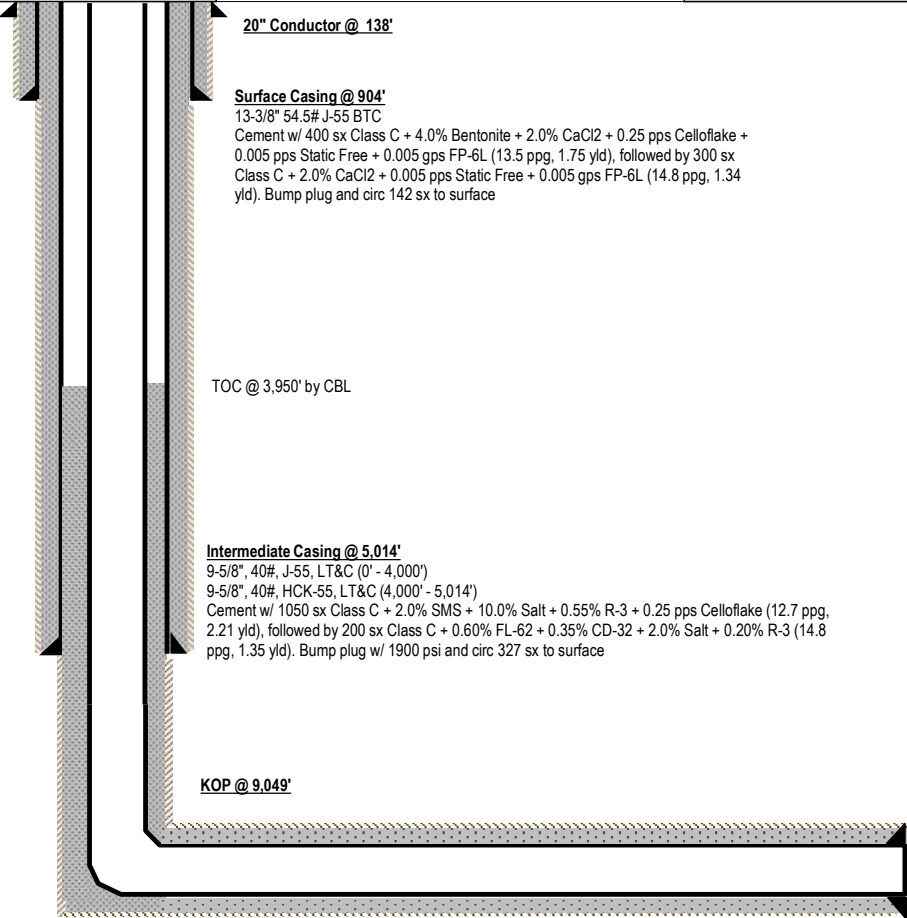
Date:

K. Castille

2/18/2014

Drig Eng: K. Castille
 Date: 2/18/2014

CURRENT WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	OGRID: API: 30-025-41114 AFE: 105564 SPUD: 9/26/13 @ 05:00 hrs FRR: 10/19/2013 @ 05:00 hrs RIG: Patterson #452	Ophelia 27 #1H Red Hills Field Lea County, New Mexico	SURF: 2422' FNL & 422' FEL LOC: Sec. 27 SURVEY: T-26-S, R-33-E GL: 3334.0' KB: 3307.0' ZERO: 27.0' AGL	HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION	
2,000'	Rustler - 865'			20" Conductor @ 138'		17-1/2"	8.6	FW	86	N/A		
	T/ Salado - 1430'			Surface Casing @ 904' 13-3/8" 54.5# J-55 BTC Cement w/ 400 sx Class C + 4.0% Bentonite + 2.0% CaCl2 + 0.25 pps Celloflake + 0.005 pps Static Free + 0.005 gps FP-6L (13.5 ppg, 1.75 yld), followed by 300 sx Class C + 2.0% CaCl2 + 0.005 pps Static Free + 0.005 gps FP-6L (14.8 ppg, 1.34 yld). Bump plug and circ 142 sx to surface		12-1/4"	10.0	Brine				
3,000'		Salt										
5,000'	B / Salado - 4865'											
	Lamar - 5100'				TOC @ 3,950' by CBL							
6,000'	Bell Canyon - 5126'											
	Cherry Canyon - 6080'										NA	
7,000'					Intermediate Casing @ 5,014' 9-5/8", 40#, J-55, LT&C (0' - 4,000') 9-5/8", 40#, HCK-55, LT&C (4,000' - 5,014') Cement w/ 1050 sx Class C + 2.0% SMS + 10.0% Salt + 0.55% R-3 + 0.25 pps Celloflake (12.7 ppg, 2.21 yld), followed by 200 sx Class C + 0.60% FL-62 + 0.35% CD-32 + 2.0% Salt + 0.20% R-3 (14.8 ppg, 1.35 yld). Bump plug w/ 1900 psi and circ 327 sx to surface		10.2		117			
8,000'	Brushy Canyon - 7750'				KOP @ 9,049'		8-3/4"	8.4			N/A	
9,000'	Bone Spring Lime - 9320'											
10,000'				Production Casing @ 14,170' MD, 9,517' TVD 5-1/2" 17# HCP-110 LTC (MJ @ 8949') Cement lead w/ 350 sx Class "C" + 4% MPA-5 + 3% SMS + 5% A-10 + 1% BA-10A + .8% ASA-301 + 1% EC-1 + 2.2% R-21 + 8 pps CLM-1 + .005 pps Static Free + .005 GPS FP-6L + .25% BJ Fiber, (10.8 ppg, 3.68 yield), middle 400 sx Class "H" + 6% Bentonte + .2% FL-52 + .75%DC-32 + 1% DC-1 + .15% ASA-301 + 1.6% SMS + 5% Salt + .5% R-21 + 5 ppsLCM-1 + .005 GPS FP-6L + .005 pps Static Free + .25% BJ Fiber, (11.9 ppg, 2.38 yield), tail in w/ 1200 sx Class "H" + .65% FL-52 + .7%CD-32 + 1% EC-1 + .4% SMS + 2% Salt + .05% R-3 + .005 GPS FP-6L + .005 pps Static Free, (14.2 ppg, 1.28 yield).		9.3						
11,000'	PTD - ~9,565'								140			

Drig Eng:	K.Castille
Date:	10/19/2013

Drig Eng: K.Castille
 Date: 10/19/2013