

Permit Comments

OGRID: [229137] COG OPERATING LLC

Permit Number: 19034

Permit Type: Drilling

30-015-34250

Created By	Comment	Comment Date
BArrant	Diane, Please re-submit along w/the casing pressure test the time in minutes that the contractor pressure tested the casing to. The min. WOC time for the surface casing or water protection string is 18 hours.	12/20/2005
BArrant	Diane, Since you changed the WOC time from 13 to 18 hours, please submit a copy of the driller's report so that I can check the actual time. Thank you, Bryan Arrant	12/23/2005

TO: BRYAN ARRANT
FROM: PHYLLIS EDWARDS

1/3/06

RECEIVED

JAN 05 2006

OCD-ARTESIA

Dear Bryan,

I spoke with the engineer, and he said it appears that we rushed the drill-out. (I believe we waited 14 hours total.) The engineer said we would monitor the time more closely in the future.

The driller's reports are attached.

Thank you for your attention to this matter.

Sincerely,

Phyllis Edwards
432-685-4340 Phone
432-685-4399 Fax
pedwards@conchoresources.com

Drilling Report

Spud Date 11-18-05

Well Mosley Canyon 32 St. #1 Operator COG OPERATING

Date 11-20-05

Report #	2	Prop TD	11,100'	County	EDOH	State	NM	Rig	DRILL #56	AFE #	
Depth	418'	GL	3918'	Co Supv	RIK GRAHAM	Phone	505-390-7021	AFE-DH			
TVD	418'	KB corr	21'	Phone	432-553-0176	Rig Supv	J. BUENDIA	AFE-Test			
Footage	213'	FVHr	14.44	Lithology		Phone	505-306-5430	AFE-Comp			
Present Operations / Executive Summary						Rig Supt	M. UNDERATION	AFE-Total			
						Phone	505-390-7016	Working Int			
W.O.C.								Net Int			

Mud		Mud Engineer: <u>Randy Donald</u>						Mud Company: <u>Lone Star</u>					
Type	M.W.	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake	WL	Solids	% Oil	% Water	Mud Losses
	8.9	-	35										
pH	Pm	Tr	Mf	CL	OA	LCM	Wash (vol % vol)	Mud Vol	Ph Vol	Stored Vol	Min to Bit	Blms Up	Full Circ
11													

Drill Pipe & Collars (top to bottom)								Kelly Down:		Casing							
# Jts	Length	Size	Wt	ID	Type	Grade	Ann Vel	Size/Date	Top (MD)	Btm (MD)	Btm (TVD)	Wt	Grade	TOC	Shoe Test		
12	402.38	8"	148	2 1/4	Reg.	-	-	13 3/8	11-20-05	0	416	416	48	H40	0' NO		

BHA #	Length	Weight	Description
1	375.54	70	Bit, B.S., S.S., 1-8" DC, B.M.R., 11-8" DCs

#	In @	Out @	Size	Mfg	Type	Serial #	Jets / TFA	RPM	WOB	BHA Eff	Feet	Hours	FVHr	Bit HP
1	40	418	17 1/2	Ward	ETR38MS	201090	3-145	100	ALL	-	378	38 3/4	10.87	

Bit	#	Depth	Inner	Outer	Dull Characteristics	Location	Bearings/Seals	Gauge	Other Dull Characteristics	Reason Pulled
Grade	1	418'	2	2	None	ALL	E	I	None	TD

String	Hook Load	Drag Up (+)	Drag Down (-)	Max Allowed	Torque	Gas	Bkgd Gas	Conn Gas	Trip Gas	Max Gas	Max Gas @
Loads	70 ⁰⁰⁰	70 ⁰⁰⁰	70 ⁰⁰⁰	-	-						

Pumps										Deviation >>>				Depth	Angle	Direction	TVD	N/S	E/W	Dog Leg
Make/Model	PSI	Stroke	Liner	SPM	Eff	GPS	GPM	SPR												
DL 700																				
EMSCO 450	16"	5 1/2"	60	87	5	300	-													
AB 700																				
EMSCO																				

Start	End	Hrs	Code	Daily Operations
6:00	7:30	1 1/2	2	DRILL F/205'-220'
7:30	7:45	1/4	10	W.L.S. & SERVICE RIG
7:45	9:00	13 1/4	2	DRILL F/220'-418' - LOST RETURNS @ 351'
9:00	9:30	1/2	5	CIRC. PUMP SWEEP - GET RETURNS BACK
9:30	10:45	1 1/4	16	ADAPTICO TOH (2/AN. BIT, B.S., B.M.R.)
10:45	11:30	3/4	21	W/L/O/ Csg. CREW
11:30	12:45	1 1/4	22	R/L/Csg. CREW
12:45	1:00	1/6	22	Safety meeting Safety Meeting
1:00	2:30	1 1/2	12	TRUCK WELD GRIND SHOE & COLLARS @ 150' TWO JTS RUN 13 3/8 Csg
2:30	2:15	3/4	5	Line. W/ Rig Pump
3:15				Rig up BJ + CMT Lead 35:65 POZ: C + 2% CaCl2 + 25# Celloflake
	5:15	2		+ 6% Bentonite + 5# Gilsomite Tail Class 'C' + 2% CaCl2, Plug Down @
5:15	6:00	3/4	13	W.O.C. 5:15 AM

