

XOG OPERATING, LLC CATCLAW DRAW 18 #1 DRILLING DETAIL
API #30-015-34574

SURFACE CASING

4/9/06 Spud well @ 10:15 pm.
4/10/06 Lost returns @ 51'. Dry drill, sweeping hole clean every connection w/50 Bbls Hi-Vis/LCM Sweeps.
4/11/06 Notified OCD of Surface Csg & cmt job. Bryan Arrant instructed to run temp survey if cement not circulated. TD surface hole @ 550'. Set 13. 375 surface casing (cement report attached). Bumped plug w/229 psi. Notified OCD no cement to surface.
4/12/06 Run Temp Survey & determine TOC @ 465'. Van Barton @ NMOCD ok'd plans to bring cement to surface via 1" pipe. Pumped 450 sx in 7 stages as per cement report attached. WOC. Test csg & annular BOP to 1200 psi for 30 mins.

CHOLORIDES:

Sample Depth

Chlorides

650'	400
750'	400
850'	400
950'	400
1,050'	500
1,150'	400
1,250'	400
1,350'	400
1,450'	None

INTERMEDIATE CASING

4/18/06 TD 12.25 hole @ 2,155'. No returns. Pump & Condition hole, no returns. Notified Bryan Arrant of OCD of intent to set intermediate casing & cement. Pump 50 bbls 12# LCM sweep & 150 bbls 24# LCM Pill, no returns. Run 8 5/8" intermediate casing. Cement report attached. Bump plug w/ 883 psi. Check floats. Phil Hawkins of OCD on site @ 8:30 am to review cement job, TOC & plans to bring cement to surface by 1" pipe. Notified Van Barton @ NMOCD of TOC @ 1490' & plans of bringing cement to surface via 1" pipe.
4/19/06 Cement thru 1" pipe in 39 stages w/2125 sx + 20 yd pea gravel as per cement report attached. Notified Phil Hawkins tag TOC w/1" @ 1438' & 1" plug, he ok'd. Notified Mike Butler of 2nd cmt plug. Notified Mike Butler of no gain on 3rd cmt & tag & 4th cmt. Notified Mike Butler of 5th cmt. Continue cement stages (cement report attached).
4/21/06 Notify NMOCD-Ok'd 5-10 yds pea gravel + cmt on top.
4/22/06 Lost tag, Notify NMOCD of new tag. Update NMOCD, Van Barton ok'd either adding pea gravel & cmt mixed or adding ready mix down backside.
4/25/06 Cement to surface. Pump 1 bbl to pit. Install B sec. 13 5/8" MX 11" 5m. Pressure test to 2000 psi for 10 minutes.

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PRODUCTION CASING

5/2/06 Install H2S Safety Equipment @ 5,767'.
5/6/06 Partial returns @ 8,546'-8,717'. Pump LCM Sweeps to regain full returns & slow seepage.
5/20/06 Notified NMOCD, Van Barton ok'd permission to drill to 11,100' (permitted to 11,000').
5/21/06 TD well @ 11,100'. Sweep hole w/150 bbls high visc/lcm.
5/22/06 Halliburton ran Tripple Combo Logs.
5/23/06 Notify Van Barton, NMOCD of operations to run & cement 5 1/2" production casing.
5/25/06 Cement w/600 sx 15:61:11 Class C. Displace w/fresh water & mud. Bumped plug w/1900 psi. Drop plug to open DVT. Circulate 142 sx to pit. WOC 5.5 hrs. Preflush w/150 bbls nitroflud mud, follow w/fresh water spacer. Pump 2nd stage 1050 sx 35:65:6 Class C. Tail w/100 sx H-Neat. Displace w/187 bbls fresh water. Close DVT w/2926 psi. Full returns w/800 psi circ. No cement to surface. Cut off 5.5 casing. Lay down BOP stack. Install C-section w/cap & test to 5,000 psi.
5/26/06 Release drilling rig.

ATTACHMENTS: Initial Surface Cement Report, Temp Survey (mailed), Surface 1" Top Out Cement Report, Chloride Report (mail). Initial Intermediate Cement Report, Intermediate 1" Top Out Cement Report. Production Casing Cement Report, CBL (mailed), Tripple Combo Logs (mailed), Casing Tests (mailed).

Well Name CATCLAW 18-#1 Date 4/24/2006 Page 1 of 1

CASING DETAIL FROM BOTTOM TO TOP

Measured Depth	2155	Bit Size	12.25"
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[illegible]

	<u>2167.55</u>	Total Pipe Run in Hole
-	<u>36</u>	Less Cutoff Piece
=	<u>2131.55</u>	Total Pipe Left in Hole
+	<u>23</u>	RKB to Cutoff
=	<u>2154.55</u>	Total Setting Depth

Centralizers	10	# Run Placement Depths:	2134,2065,1975,1886,1794,1700,1610,1517,1425,& 1335
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Other Cementing Aids: 1" PIPE STRING, & PEA GRAVEL [20YARDS]

Primary Cementing Detail	Cementing Company	SCHLUMBERGER
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Lead Type 50:50 POZ C Vol 500 sxs Wt 12 PPG Yield 2.49 ft3/sk Mix Wtr 14.25 Gal/sk
Additives: 10% D20 + 0.2% D46 + 3PPSD24 + 0.125PPSD130 + 5% D44(BWOW)

Tail Type	CLASS C	Vol	150	sxs	Wt	14.8	PPG	Yield	1.34	ft3/sk	Mix Wtr	5.98	Gal/sk
Additives:	2%S1 + 3PPSD24 + 0.125PPSD130												

Displaced cement w/ 135 bbls FRESH WATER (type fluid). Bump plug (Y or N) y with 883 PSI
Returns (Full or Partial) none Reciprocated pipe (Y or N) N Circ cmt (Y or N) n
Job complete @ 12:27am hours, Date 4/18/2006 Sx Circ 0

Remarks: PREFLUSH WITH 2SKS GEL & 2SKS CEMNET (50BBLs), 150 SKS RFC (10-2-A) + 3PPSD24 + 0.125 PPS.D130. TOC BY SURVEY @1490. 1"PIPE TOC TAG @1438'. PUMPED 39 STAGES FROM 1438 TO SURFACE 1960SX CMT + 20 YARDS 3/8" PEA GRAVEL. 1 BBL CMT TO PIT @03:15PM 4/24/06. NMOCD NOTIFIED.

Supervisor SIMON GOMEZ

XOG OPERATING LLC - CATCLAW 18-1
INTERMEDIATE CASING 1" TOP OUT

1" TOP OUT

Sacks	H2O	Slurry	2% S1	3% S1	4% S1	5% S1
25	4	6	50	75	100	125
50	8	12	100	150	200	250
75	12	18	150	225	300	375
100	16	24	200	300	400	500

					Density	Yield
1st Plug	25sks+150#S-1	Tagged @ 1438	Cmt @ 1405		14.8	1.32
2nd Plug	25sks+150#S-1	Tagged @ 1438	Cmt @ 1405		14.8	1.32
3rd Plug	75sks+350#S-1	Tagged @ 1438	Cmt @ 1405		14.8	1.32
4th Plug	75sks+350#S-1	Tagged @ 1420	Cmt @ 1405		14.8	1.32
5th Plug	50sks+400#S-1	Tagged @ 1420	Cmt @ 1405		14.8	1.32
6th Plug	100sks+450#S-1	Tagged @ 1345	Cmt @ 1280		14.8	1.32
7th Plug	200sks+650#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
8th Plug	50sks+300#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
9th Plug	50sks+350#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
10th Plug	35sks+150#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
11th Plug	35sks+150#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
12th Plug	60sks+150#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
13th Plug	60sks+350#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
14th Plug	110sks+250#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
15th Plug	25sksRight Angle Cement	Tagged @ 1003	Cmt @ 970		15	2.01
16th Plug	25sksRight Angle Cement	Tagged @ 1003	Cmt @ 970		15	2.01
17th Plug	35sks+300#S-1	Tagged @ 1003	Cmt @ 970		14.8	1.32
18th Plug	Dropped Pea Gravel	Tagged @ 1003	Cmt @ 970		Fell Back	
	25sks+200#S-1	Tagged @ 1428	Cmt @ 1408		14.8	1.32
19th Plug	25sks+150#S-1	Tagged @ 1438	Cmt @ 1366		14.8	1.32
20th Plug	25sks+150#S-1	Tagged @ 1438	Cmt @ 1366		14.8	1.32
21st Plug	Dropped Pea Gravel	Cemented thru backside valve				
	175sks+500#S-1	Tagged @ 1428	Cmt @ Surface		14.8	1.32
23rd Plug	35sks+100#S-1	Tagged @ 1041	Cmt @ 1000		14.8	1.32
24th Plug	35sks+100#S-1	Tagged @ 1282	Cmt @ 1189		14.8	1.32
25th Plug	35sks+100#S-1	Tagged @ 1143	Cmt @ 1081		14.8	1.32
26th Plug	35sks+75#S-1	Tagged @ 1050	Cmt @ 992		14.8	1.32
27th Plug	35sks+75#S-1	Tagged @ 797	Cmt @ 765		14.8	1.32
28th Plug	35sks+75#S-1	Tagged @ 796	Cmt @ 765		14.8	1.32
29th Plug	35sks+75#S-1	Tagged @ 797	Cmt @ 765		14.8	1.32
30th Plug	50sks+100#S-1	Tagged @ 662	Cmt @ 630		14.8	1.32
31st Plug	25sks+50#S-1	Tagged @ 797	Cmt @ 765		14.8	1.32
32nd Plug	35sks+75#S-1	Tagged @ 961	Cmt @ 906		14.8	1.32
33rd Plug	100sks+ 200#S-1	Tagged @ 974	Cmt @ 906		14.8	1.32
34th Plug	25sks+50#S-1	Tagged @ 833	Cmt @ 800		14.8	1.32
35th Plug	35sks+75#S-1	Tagged @ 530	Cmt @ 480		14.8	1.32
36th Plug	50sks+150#S-1	Tagged @ 797	Cmt @ 720		14.8	1.32
37th Plug	75sks+225#S-1	Tagged @ 740	Cmt @ 680		14.8	1.32
38th Plug	50sks+150#S-1	Tagged @ 642	Cmt @ 480		14.8	1.32
39th Plug	150sks+450#S-1	Tagged @ 405	Cmt @ 345		14.8	1.32
		Cement @ Surface				

CEMENT JOB REPORT



CUSTOMER Xeric Oil & Gas		DATE 24-MAY-06		F.R.# 420810373		SERV. SUPV. LYLE D SPURLOCK JR	
LEASE & WELL NAME CATCLAW 18-1 - API 30015345740000		LOCATION 18-215-28E		COUNTY-PARISH-BLOCK Eddy New Mexico			
DISTRICT Artesia		DRILLING CONTRACTOR RIG # PATTERSON144		TYPE OF JOB Long String			
SIZE & TYPE OF PLUGS		LIST CSG HARDWARE		PHYSICAL SLURRY PROPERTIES			
Cement Plug, Rubber, Top 5-1/2 in		700-LAP-PVTS Float Collar, 5-1/2 in		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS
		Float Shoe 5-1/2 - 8rd					
MATERIALS FURNISHED BY BJ							
MUD CLEAN II					8.4		12
15/61/110C+8/10%FL52+6/10%FL25+.15%SMS+5#LCM1				600	13.2	1.58	7.51 03:50 164 104.21
NITROFIED MUD					7		150
35/65/60C+8/10%FL52+3/10%CD32+5%SALT+3#LCM1				1,050	12	2.57	14.24 04:38 481 356.29
H NEAT				100	15.6	1.18	5.2 03:00 21 12.37
Available Mix Water 1000 Bbl		Available Displ. Fluid 1000 Bbl		TOTAL		828	472.88
HOLE		TBG-CSG-D.P.		COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT	TYPE	DEPTH	GRADE
7.875		11100	5.5	17	CSG	11098	P-110
						11098	11058.2
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	RTM
8.625	24	CSG	2150	NO PACKER		0	0
						5.0	8RND
						WATER BASED MU	
						WGT 9.8	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
256	BBLs			1090	0	0	0
						MAX TBG PSI	
						MAX CSG PSI	
						Operator	
						Operator	
						10640 8512 RIG	
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE							
PRESSURE/RATE DETAIL				EXPLANATION			
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	BBL FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 5000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
09:15						SAFETY MEETING	
09:29	5000	0	.5	.5	H2O	TEST LINES	
09:34	210	0	4.9	12	MCII	MUDCLEAN SPACER	
09:38	290	0	4.9	20	H2O	SPACER	
09:40	384	0	4.9	169	CMT	CEMENT@13.2	
10:23	0	0	0	0	CMT	SHUT DOWN DROP PLUG WASH UP TO PIT	
10:28	1180	0	7.3	248	H2O/MUD	DISPLACE	
11:10	910	0	3	10	MUD	SLOW RATE	
11:12	1900	0	0	0	MUD	PLUG DOWN	
12:02	1094	0	1	10	MUD	OPEN TOOL	
15:47	560	0	6	150	MUD	NITROFIED MUD	
16:14	450	0	6	10	H2O	SPACER	
16:18	520	0	5.5	481	CMT	LEAD@12.0	
17:50	400	0	4	21	CMT	TAIL@15.6	
17:58	0	0	0	0	CMT	SHUT DOWN DROP PLUG WASH UP TO PIT	
18:01	1706	0	6	187	H2O	DISPLACE	
18:30	1800	0	3	10	H2O	SLOW RATE	
18:33	2926	0	0	0	H2O	PLUG DOWN	
THANK YOU DUANE AND CREW							
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL CMT RETURNS/ REVERSED	TOTAL BBL PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1900	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		1304	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

Arrant, Bryan, EMNRD

From: Angie Crawford [acrawford@xericoil.com]

Sent: Thursday, July 13, 2006 3:43 PM

To: Arrant, Bryan, EMNRD

Bryan, I am filing the C-103 for this well on line. I could not get the attachments to work so I am sending them by this email. I am also sending a copy with the logs in the case you can not open pdf files. These attachments should address all the cement questions, chloride report & casing pressure tests, and notifications to the OCD by our field personnel.

Let me know if you require any thing further.

Angie Crawford
XOG OPERATING, LLC
P. O. Box 352
Midland, TX 79702

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