

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. COMET 22 FEDERAL 4
2. Name of Operator COG OPERATING LLC		9. API Well No. 30-015-35716-00-S1
3a. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701		10. Field and Pool, or Exploratory CROW FLATS
3b. Phone No. (include area code) Ph: 432-685-4332		11. County or Parish, and State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T16S R28E NENW 330FNL 1650FWL		

RECEIVED

JUN 25 2010

NMOG-ARTESIA

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests permission to change the pool name to the Crow Flats; Wolfcamp.

We have attached documents that support that we are producing from the Wolfcamp and not the Abo.

**SUBJECT TO LIKE
APPROVAL BY STATE**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #85962 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by CHERYLE RYAN on 05/05/2010 (10CMR0422SE)	
Name (Printed/Typed) KANICIA CARRILLO	Title PREPARER
Signature (Electronic Submission)	Date 05/04/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 06/21/2010
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office Carlsbad		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Need corrected C-102 RM

COMPANY: COG Operating LLC

WELL: Comet "22" Federal #4

FIELD: Crow Flats (Abo)

County: Eddy State: New Mexico

Schlumberger

**Platform Express
Three Detector Litho-Density
Compensated Neutron/HNGS**

330' FNL & 1650' FWL

Elev.: K.B. 3610 ft

G.L. 3585 ft

D.F. 3609 ft

Permanent Datum

Ground Level

Elev. 3585 ft

Log Measured From:

Kelly Bushing

25.0 ft above Perm. Datum

Drilling Measured From:

Kelly Bushing

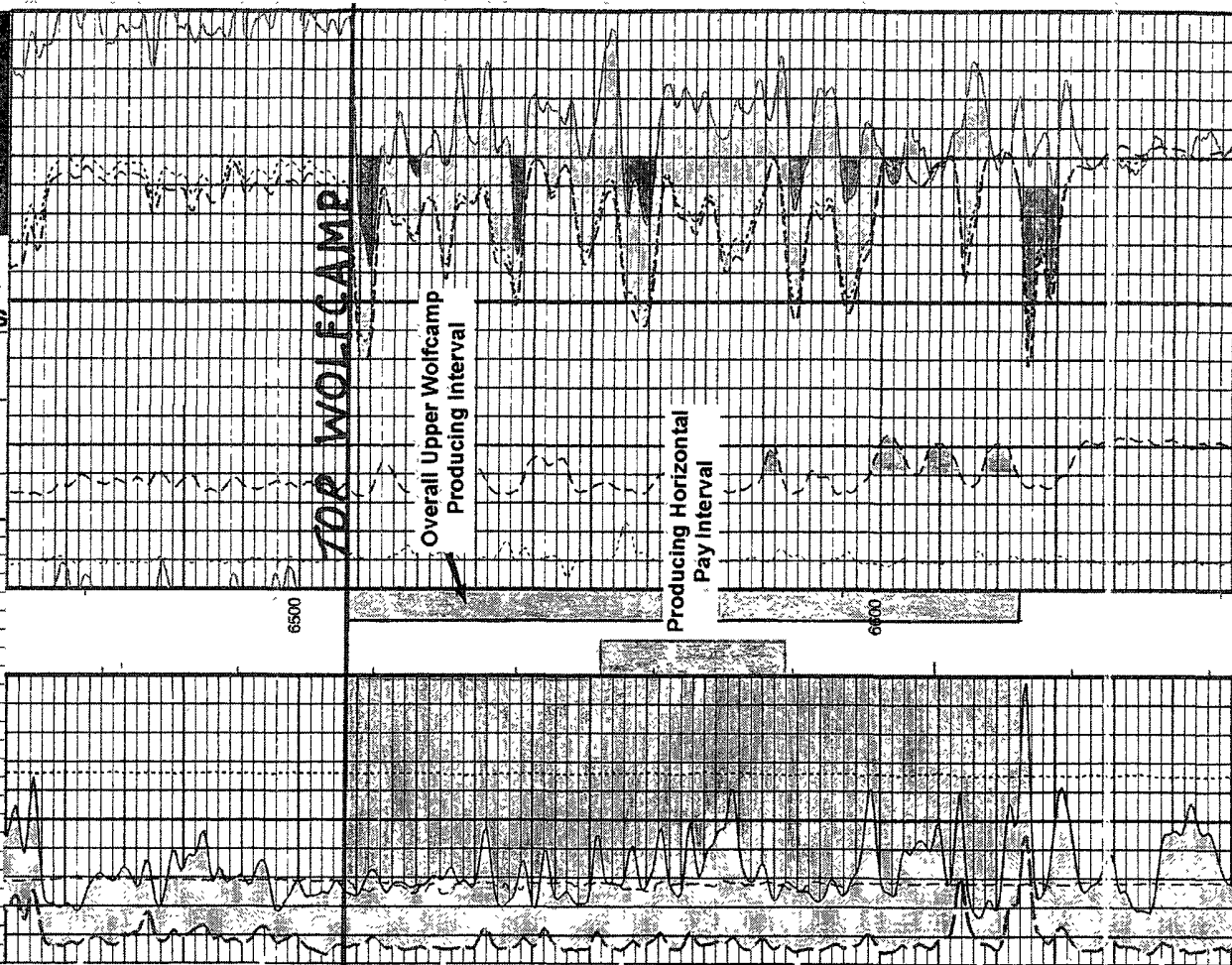
API Serial No.
30-015-35716

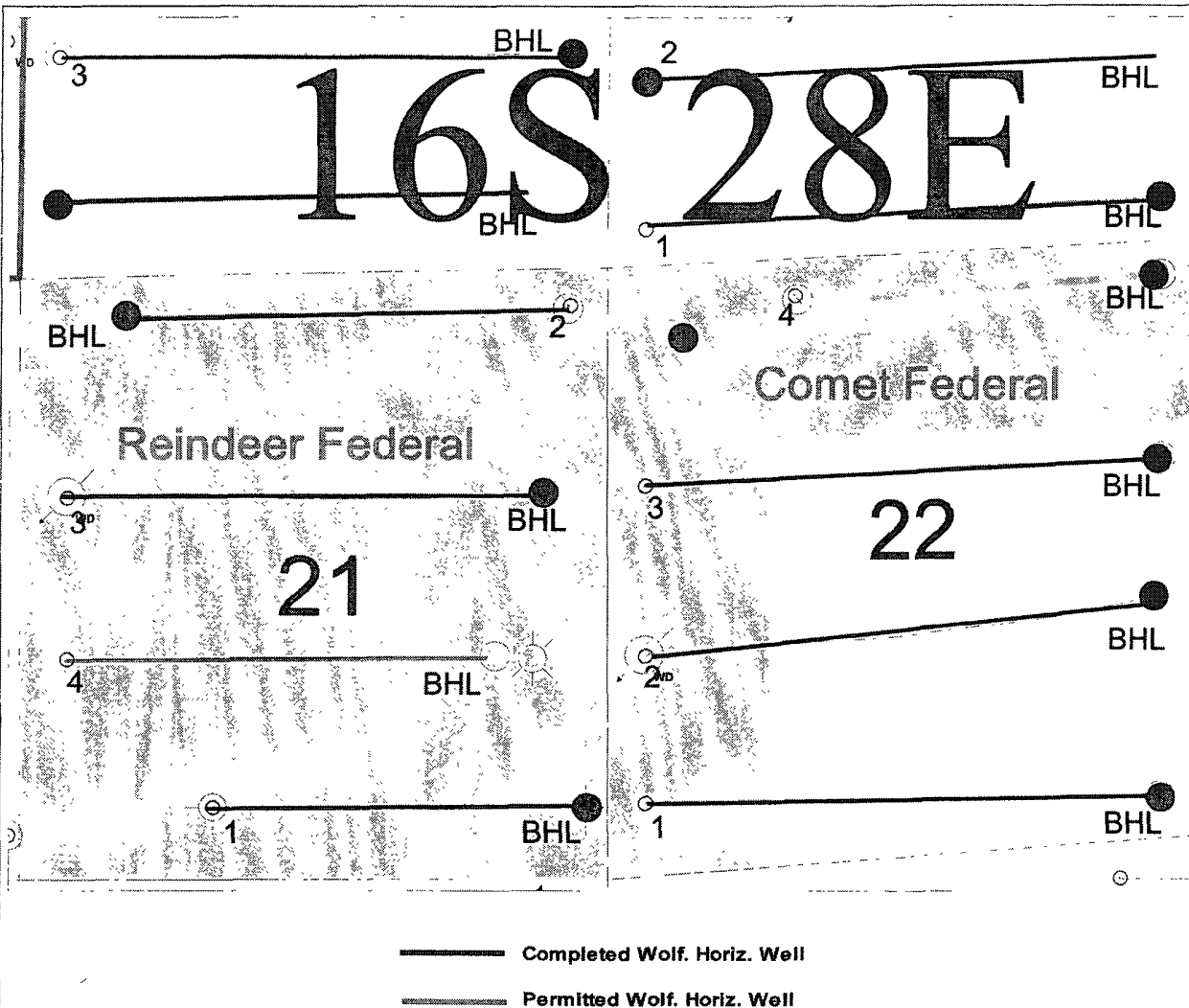
Section
22

Township
16S

Range
28E

Logging Date	6-Nov-2008
Run Number	One
Depth Driller	6650 ft
Schlumberger Depth	6646 ft
Bottom Log Interval	6795 ft
Top Log Interval	100 ft
Casing Driller Size @ Depth	9.625 in @ 1622 ft
Casing Schlumberger	1916 ft
Bit Size	8.750 in
Type Fluid In Hole	Brine
Density	9.4 lbm/gal
Viscosity	42 s
Fluid Loss	10 cm3
PH	8
Source Of Sample	Circulation Tank
RM @ Measured Temperature	0.079 ohm.m @ 83 degF
RMF @ Measured Temperature	0.079 ohm.m @ 83 degF
RMC @ Measured Temperature	@
Source RMF	Measured
RM @ MRT	0.063 @ 107
RMF @ MRT	0.063 @ 107
Maximum Recorded Temperatures	107 degF
Circulation Stopped	Time 6-Nov-2008 10:15
Logger On Bottom	Time 6-Nov-2008 16:30
Unit Number	2357 Roswell
Recorded By	John Thibodeaux
Witnessed By	Dick Freeman





The COG, Comet 22 Federal #3H is producing from the same correlative pay interval in the Wolfcamp as the COG, Comet 22 Federal #4H (north offset) and the Nearburg, Comet 22 Federal #2 (south offset).


Only the Comet 22 Federal #4H was drilled with a pilot hole and is the only well to have open-hole logs thru the pay interval. However, by plotting the TVD depths of the top and bottom of pay for the lateral portion of the wells we can determine that all 3 wells are producing from the same correlative pay zone.

The thickness of the Wolfcamp pay in the Comet area is 125 ft. The TVD of the pay zone for each of the 3 wells is listed below:

- COG, Comet 22 Fed. #4H - TVD depth 6552-6584' (-2942-2974' subsea)
- COG, Comet 22 Fed. #3H - TVD depth 6579-6620' (-2943-2984' subsea)
- COG, Comet 22 Fed. #2H - TVD depth 6640-6656' (-3020-3036' subsea)

There is very little structural dip in the area of all 3 Comet wells.

The TVD depths of the Wolfcamp pay interval within the horizontal portions of the Comet 22 Federal #2, 3, & 4 are all within 100 ft. of each other and are therefore within the same reservoir.

		
CROW FLATS PROSPECT EDDY COUNTY, NEW MEXICO		
WOLF CAMP HORIZONTAL PERMITTED LOCATIONS		
Author: TFG/kim	TD-5800	Date: 20 April, 2010
SPNM	Scale: 1"=1000'	Ln: CrowFlatsHorizoml- LocCometWells.gmp