

MAY 18 2009

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 [X] Oil Well [ ] Gas Well [ ] Other

2 Name of Operator C.O.G. OPERATING LLC

3a Address SUITE 1300 3b. Phone No (include area code)

550 W. TX. AVE. MIDLAND TX 79701 432-530-2907

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' P.N.L., 1980' F.E.L.

UNIT G - SECTION 33 - T20S, R27E

5 Lease Serial No. NMLC - 072015-C

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No.

8 Well Name and No. HANSON FEDERAL 3

9. API Well No. 30-015-21586

10 Field and Pool, or Exploratory Area AVALON - Wolfcamp SW Oil

11. County or Parish, State Eddy NM.

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

Table with columns: TYPE OF SUBMISSION (Notice of Intent, Subsequent Report, Final Abandonment Notice) and TYPE OF ACTION (Acidize, Deepen, Production, etc.).

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof)

SEE ATTACHMENT

SEE ATTACHED FOR CONDITIONS OF APPROVAL

\* See Charges



14 I hereby certify that the foregoing is true and correct Name (Printed/Typed) RANDALL MINER Title AGENT

Signature [Signature] Date 5-11-09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by [ ] Title [ ] Date [ ]
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.

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

(Instructions on page 2)

5/19/09



*After*  
HOWARD, DEWN

**PLUGGING & ABANDONMENT WORKSHEET**

(B STINING CANOY)

OPERATOR **C P G**

LEASENAME **Hanson**

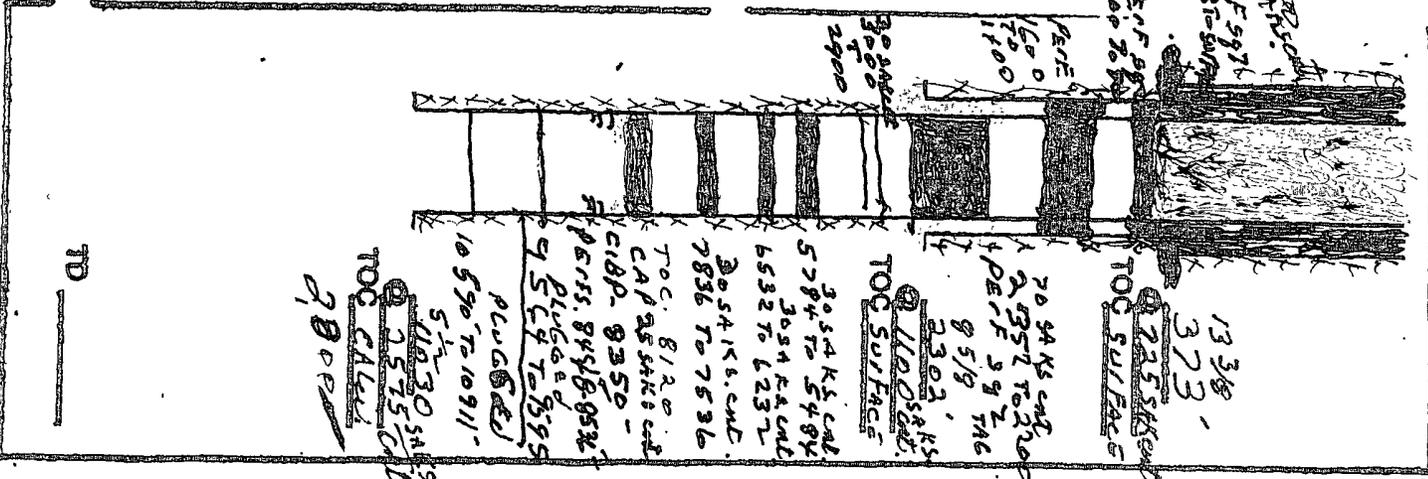
WELL # **003**

**C O Eddy**

SECT FROM TO: \_\_\_\_\_ TWM \_\_\_\_\_ NSL \_\_\_\_\_ RMO \_\_\_\_\_  
 TD: \_\_\_\_\_ FORAMATION @ TD \_\_\_\_\_  
 PBD: \_\_\_\_\_ FORAMATION @ PBD \_\_\_\_\_

SURFACE	SIZE	SET @	TOC	TOC DETERMINED BY
INTIMED 1				
INTIMED 2				
PROD	SIZE	TOP	BOT	TOC DETERMINED BY
LINER 1				
LINER 2				
INTIMED 1				TOP - BOTTOM
INTIMED 2				
PROD				

PLUG	TYPE	BACKS	DEPTH
1	CEM	25 FEET	650'
2	CEM	20 FEET	670'
3	CEM	20 FEET	690'
4	CEM	20 FEET	710'
5	CEM	20 FEET	730'
6	CEM	20 FEET	750'
7	CEM	20 FEET	770'
8	CEM	20 FEET	790'
9	CEM	20 FEET	810'
10	CEM	20 FEET	830'
11	CEM	20 FEET	850'
12	CEM	20 FEET	870'
13	CEM	20 FEET	890'
14	CEM	20 FEET	910'
15	CEM	20 FEET	930'
16	CEM	20 FEET	950'
17	CEM	20 FEET	970'
18	CEM	20 FEET	990'
19	CEM	20 FEET	1010'
20	CEM	20 FEET	1030'
21	CEM	20 FEET	1050'
22	CEM	20 FEET	1070'
23	CEM	20 FEET	1090'
24	CEM	20 FEET	1110'
25	CEM	20 FEET	1130'
26	CEM	20 FEET	1150'
27	CEM	20 FEET	1170'
28	CEM	20 FEET	1190'
29	CEM	20 FEET	1210'
30	CEM	20 FEET	1230'
31	CEM	20 FEET	1250'
32	CEM	20 FEET	1270'
33	CEM	20 FEET	1290'
34	CEM	20 FEET	1310'
35	CEM	20 FEET	1330'
36	CEM	20 FEET	1350'
37	CEM	20 FEET	1370'
38	CEM	20 FEET	1390'
39	CEM	20 FEET	1410'
40	CEM	20 FEET	1430'
41	CEM	20 FEET	1450'
42	CEM	20 FEET	1470'
43	CEM	20 FEET	1490'
44	CEM	20 FEET	1510'
45	CEM	20 FEET	1530'
46	CEM	20 FEET	1550'
47	CEM	20 FEET	1570'
48	CEM	20 FEET	1590'
49	CEM	20 FEET	1610'
50	CEM	20 FEET	1630'
51	CEM	20 FEET	1650'
52	CEM	20 FEET	1670'
53	CEM	20 FEET	1690'
54	CEM	20 FEET	1710'
55	CEM	20 FEET	1730'
56	CEM	20 FEET	1750'
57	CEM	20 FEET	1770'
58	CEM	20 FEET	1790'
59	CEM	20 FEET	1810'
60	CEM	20 FEET	1830'
61	CEM	20 FEET	1850'
62	CEM	20 FEET	1870'
63	CEM	20 FEET	1890'
64	CEM	20 FEET	1910'
65	CEM	20 FEET	1930'
66	CEM	20 FEET	1950'
67	CEM	20 FEET	1970'
68	CEM	20 FEET	1990'
69	CEM	20 FEET	2010'
70	CEM	20 FEET	2030'
71	CEM	20 FEET	2050'
72	CEM	20 FEET	2070'
73	CEM	20 FEET	2090'
74	CEM	20 FEET	2110'
75	CEM	20 FEET	2130'
76	CEM	20 FEET	2150'
77	CEM	20 FEET	2170'
78	CEM	20 FEET	2190'
79	CEM	20 FEET	2210'
80	CEM	20 FEET	2230'
81	CEM	20 FEET	2250'
82	CEM	20 FEET	2270'
83	CEM	20 FEET	2290'
84	CEM	20 FEET	2310'
85	CEM	20 FEET	2330'
86	CEM	20 FEET	2350'
87	CEM	20 FEET	2370'
88	CEM	20 FEET	2390'
89	CEM	20 FEET	2410'
90	CEM	20 FEET	2430'
91	CEM	20 FEET	2450'
92	CEM	20 FEET	2470'
93	CEM	20 FEET	2490'
94	CEM	20 FEET	2510'
95	CEM	20 FEET	2530'
96	CEM	20 FEET	2550'
97	CEM	20 FEET	2570'
98	CEM	20 FEET	2590'
99	CEM	20 FEET	2610'
100	CEM	20 FEET	2630'



TD \_\_\_\_\_

C.O.G. OPERATING

HANSON FED. # 003

Eddy CO. N.M.

\* Add RIH Tag CIBP @ 9430 Capw/35' DB or Spot 25 SK min "H" cmt

1- SET CIBP AT 8350' CAP 25 SAKS cnt  
T.O.C. CALCULATED 9120 "H" cmt MUD UP HOLE.

2- P.U.H. TO 7836' SPOT 30 SAKS cnt  
T.O.C. CALC. 7536'. "H" cmt

3- P.U.H. 6532' SPOT 30 SAKS cnt T.O.C.  
"H" cmt CALC. 6232'. ~~3000~~ <sup>3000</sup> ~~TO 29000~~ <sup>30</sup> ~~cnt~~ <sup>SAK</sup>

4- P.U.H. TO 5784' SPOT 30 SAKS cnt  
W.O.C. TAG 5484' <sup>SPACER</sup>

6- PERF. AT 2352' SQZ. 70 SAKS cnt  
W.O.C. TAG 2200'.

7- PERF. AT 1600' SQZ 90 SAKS  
cnt. W.O.C. TAG 1400'.

8- PERF. 900' SQZ 70 SAKS cnt  
W.O.C. TAG 800'.

9- PERF. 423' IF POSSIBLE CIRCULATE cnt.  
SURFACE 5 1/2 ~~88~~ 200 SAKS cnt

10- CAP WELL cnt IF NEEDED TO

Plug 5 spacer Plug

Plugs 7 & 8 Not necessary, serves NO purpose.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

OCD COPY

JUN 07 2006

WWW.BLM.GOV

FORM APPROVED  
OMB NO 1004-0137  
Expires: March 31, 2007

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No <b>NMLC-072015C</b>
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff Resrv. . Other _____		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>COG Operating LLC</b>		7. Unit or CA Agreement Name and No <b>34622</b>
3. Address <b>550 W. Texas, Suite 1300</b>		8. Lease Name and Well No <b>Hanson Federal #003</b>
3a. Phone No. (include area code) <b>432-685-4340</b>		9. AFI Well No. <b>30-015-21586</b>
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>1980' FNL &amp; 1980' FEL, Unit G</b>  At top prod interval reported below  At total depth		10. Field and Pool, or Exploratory <b>Wildcat; Wolfcamp (Oil)</b>
14. Date Spudded <b>05/10/2005</b>		11. Sec, T, R, M, on Block and Survey or Area <b>Sec 33, T20S, R27E</b>
15. Date T.D Reached <b>06/17/2005</b>		12. County or Parish <b>Eddy</b>
16. Date Completed <b>06/01/2006</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		13. State <b>NM</b>
17. Elevations (DF, RKB, RT, GL)* <b>3195' GL</b>		
18. Total Depth MD <b>TVD 11,030</b>	19. Plug Back T.D. MD <b>TVD 9495</b>	20. Depth Bridge Plug Set MD <b>9495</b> TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.5	13.375	48	373			725		CALW SURFACE	
11	8.625	32	2302			1100		CALW SURFACE	
7.875	5.5	17	11,030			2575		CALW SURFACE	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8	8364	None						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) <b>Wolfcamp</b>			<b>8,448' - 8,536'</b>		<b>86</b>	<b>Open</b>
B) <b>Strawn</b>			<b>9,564' - 9,595'</b>		<b>31</b>	<b>Plugged</b>
C) <b>Morrow</b>			<b>10,590' - 10,911'</b>		<b>20</b>	<b>Plugged</b>
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/01/2006	06/03/2006	24	→	200	388	0	52.0		FLOWING
Choke Size	Tbg Press Flwg. SI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18/64	SI 500		→				1940		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg. SI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)



BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

Permanent Abandonment of Federal Wells  
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed prior to commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.