

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" For such proposals

SUBMIT IN TRIPLICATE

1 Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5 Lease Designation and Serial No SF077092B
2 Name of Operator CONOCO INC.	6 If Indian, Allottee or Tribe Name
3 Address and Telephone 10 DESTA DRIVE, SUITE 649W, MIDLAND, TEXAS 79705-4500	7 If unit or CA, Agreement Designation Houck
4 Location of Well (Footage, Sec., T. R. M. or Survey Description) 660' FNL & 750' FWL Sec. 11, T29N, R10W	8 Well Name and No 2C
	9 API Well No 30-045-30142
	10 Field and Pool, or Exploratory Area Blanco Mesa Verde
	11 County or Parish, State San Juan

12 CHECK APPROPRIATE BOX(S) 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"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Casing change</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.

Conoco Inc. proposes to change the casing design from a liner to a long string (back to surface) according to the attached well plan outline and cementing plan.

14 I hereby certify that the foregoing is true and correct Signed <u>Ann Johnson</u> Title <u>Sr. Property Analyst</u> Date <u>5/11/00</u>
15 (This space for Federal or State office use) Approved by <u>/s/ Jim Lovato</u> Title _____ Date <u>MAY 25 2000</u> Conditions of approval if any: _____

Title 18 U.S.C. Section 1001, makes 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.

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal laws and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any

necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4 – If there are no applicable State requirements, locations on Federal or Indian Land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13 – Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports

should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plug; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et. Seq., 25 U.S.C. et. Seq.; 43 CFR 3160.

PRINCIPAL PURPOSE –The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
- (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2).
- (3) Analyze future applications to drill or modify operations in light of data obtained and methods used
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION –Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.



Well: Houck 2C
County: San Juan
Area: West
Rig: Key Rig 43

Company: Conoco, Inc.
Engineer: Mr. Brett Thompson
Date: 11-May-00

Surface Casing:

125 sx Type III Cement + 2%bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H2O

Slurry Weight:	14.6	ppg
Slurry Yield	1.39	cf/sk
Amount of Mix Water	6.67	gps
Pump Time	2:00	
Compressives		
8 hrs @ 80 F	800	psi
24 hrs @ 80 F	2150	psi
48 hrs @ 80 F	3625	psi

Intermediate Casing:

Slurry 1 191 sx Premium Lite Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sc Cello Flake + 8% bwoc Bentonite + 115.5% H2O

Slurry 2 79 sx Type III Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H2O

Slurry 1		
Slurry Weight:	12.1	ppg
Slurry Yield	2.23	cf/sk
Amount of Mix Water	12.05	gps
Pump Time	3:00	
Compressives		
8 hrs @ 80 F		psi
24 hrs @ 80 F	250	psi
48 hrs @ 80 F	525	psi

Slurry 2		
Slurry Weight:	14.6	ppg
Slurry Yield	1.39	cf/sk
Amount of Mix Water	6.67	gps
Pump Time	2:00	
Compressives		
8 hrs @ 80 F	800	psi
24 hrs @ 80 F	2150	psi
48 hrs @ 80 F	3625	psi

Production Casing:

246 sx Premium Lite High Strength + 0.25 lbs/sk Cello Flake + .2% bwoc CD-32 + 0.65% bwoc FL-62 + 105.4% H2O

Slurry Weight:	12.5	ppg
Slurry Yield	2.13	cf/sk
Amount of Mix Water	11	gps
Pump Time	3:00	
Compressives		
8 hrs @ 140 F		psi
24 hrs @ 140 F	1600	psi
48 hrs @ 140 F	2000	psi

Review Emergency Response Plan before rigging up and be prepared to execute the plan if needed!

It is the Drilling Representative's responsibility to read and follow all stipulations for each permit and ensure compliance.

REGULATORY NOTIFICATIONS

Notify the U.S. Bureau of Land Management (BLM) & New Mexico Oil Conservation Department (NMOCD):

1. Anytime a major deviation from the well plan (plug back, sidetrack, etc...) is going to occur. Leave a message with the intended plan if no one answers. **If in doubt notify!** Better to notify unnecessarily than not to and get a fine.
2. Immediately upon spudding.
3. 24 hours prior to any BOP or casing pressure test.
4. 24 hours prior to any cementing operation

PHONE NUMBERS

BLM – Farmington: (505) 599-8907

New Mexico Oil Conservation Department – Aztec: (505) 334-6178

Notify Trigon Engineering (970) 385-9100 of spud - they will file the Notice of Spud Sundry.

Contact either Debra Sittner @ ext. 25 or Verla Johnson @ ext. 20. (This is in addition to the phone calls to the BLM & NMOCD.)

The objective of this well is to develop the Mesa Verde formations.

Good oilfield practices are to be used throughout the drilling of this well. This includes measuring and recording the OD, ID and length of everything that goes through the rotary table, using hole covers, etc.

DISCUSSION

TIME

Days From Spud to...

	Surf Csg Pt	Drig Out	Int. Csg Pt	Drig Out	TD	Log	Prod Csg Set	Rig Rel.
Days	0.5	1.0	2.5	3.0	5.0	5.5	6.0	6.5

FORMATIONS

Zone	Depth (TVD)	MW	Zone psi	Hole Size	Csg Size	FIT / LOT	Remarks
Surface Casing	+/- 250	8.4 – 8.8		12 1/4"	9 5/8"		Severe lost circulation is possible. 9 5/8", 32.5 ppf, WC-50, STC Casing. Cement to surface.
OJAM	988	8.4 – 9.0		8 3/4"			Possible water flows. Control fluid loss (10-12 cc) prior to reaching Ojo Alamo.
KRLD	1168						
FRLD	1743				7"		Set intermediate casing into FRLD, above coal seams.
INT CSG	1843						7", 20 ppf, WC-50, STC Casing. Cement to surface.
PCCF	2243	Air		6 1/4"			
LEWS							
CHRA	3248		475				
CLFH/MV	3908		563				Gas – Possible get wet in the bottom.
MENF/MV	4013						Gas – Possible get wet.
PTLK/MV	4563						Gas
TOTAL DEPTH	5100				4 1/2"		4 1/2", 10.5 ppf, J-55, STC (0' to TD). Cement to 200' inside INT CSG.
PERMIT TO	5400						

LOGS

Intermediate Logs:	N/A
TD Logs:	Triple Combo – GR, Neutron Density, Temperature Survey, CBL
Additional Information:	Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole.