Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

	5. LEASE DESIGNATION AND SERIAL NO. SF 076554
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	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUBMIT IN TRIPLICATE	7. IF UNIT OR CA, AGREEMENT DESIGNATION HAMILTON
1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐:	8. WELL NAME AND NO. HAMILTON #2A
2. NAME OF OPERATOR CONOCO INC.	9. API WELL NO. 30-045-21643
3. ADDRESS AND TELEPHONE NO. 10 Desta Drive, Suite. 100W Midland, Texas 79705-4500 (915) 686-5424	10. FIELD AND POOL, OR EXPLORATORY AREA BLANCO MESA VERDE
4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description) 1650' FNL & 1650' FWL, UNIT LETTER 'F10', SEC. 30, T32N-R10W	11. COUNTY OR PARISH, STATE SAN JUAN COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other: Sidetrack Procedure	☐ 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.)

PLEASE SEE ATTACHED

RECEIVED
AUG 3 1998
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

SIGNED Sylvia Johnson TITLE SYLVIA JOHNSON, As Agent for Conoco Inc. DATE 7/29/98

(This space for Federal or State office use)

APPROVED BY /S/ Duane W. Spencer TITLE _____ DATE JUL 31 1998

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 Unites States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

NMOCD

HAMILTON 2A SIDETRACK PROCEDURE

API # 30-45-21643

July, 1998

UPDATED: 7/28/98, based on approved BLM Sundry & 6/24 Pre-planning mtg

AFE # -- 8330 (fully approved; all regulatory approved, including unorthadox BH location)
Authorized amount: $450,000

Current status: Unsuccessfully Sidetracked directionally.

Objective: Plug back original sidetrack to original 7" casing KOP at 2974', sidetrack vertically next to original wellbore and TD at 5500' TVD. Set 4 ½", 9.5#, J-55 casing to surface, cementing up through window (allowing upper 4 ½" casing to be backed-off after completion). Stimulate & complete.

Attachments: Wellview wellbore diagram and group well history information; Sperry Sun directional program; BJ stimulation procedure.

Location: 1650' FNL, 1650' FWL, T 32 N, R 10 W, Sec 30, San Juan County, NM
Drilled: 1975

KB: 6128'
Grd: 6115'

CASING: 10 ¾", 32# @ 167'. 125 sxs to surface.
7", 23 & 29# @ 3187'. 175 sxs to surface (in 8 ¾" hole).
NOTE: PC sqzd w/ 200 sxs (2908'-18') 1200# test
4 ½" liner, 10.5#, from 2975'-5426'. 225 sxs, to liner top (6" hole)

NOTES: (Stipulations from BLM Sundry)
*Standard stipulations, including these :
1)Pits will be fenced during work-over operations.
2)All disturbances will be kept on existing pad.
3)Empty and reclaim pit after work completed.

DRILLING (Big A #42) —
Goal: 5 days

1. RIH drill pipe open ended to 3200' Measured Depth. Mix and pump 100sx cement plug and set balance plug above cut off 4 ½" casing stuck at 3200' to 5000' Measured Depth. The cement plug should fill from 3200' to 2974' Measured Depth and give 100% excess. Following are cement details:
   Cement Details: 100 sx of Class B + 0.5% D65 Dispersant.
   Yield: 0.94 ft^3/sack Weight: 17.5 ppg Water Requirement: 3.97 gal/sack
2. Pull up hole to 2500'. Wait on Cement 12 hrs. Pull out of hole with drill pipe. Pick up 6" bit and 5" drill collars and RIH and tag Top of Cement. Drill out cement slowly using air until outside of 7" casing to at least 3030' measured depth. Pull out of hole with bit and pick up 6" air hammer.
3. Drill vertical sidetrack 6" hole to 5500' TVD using air through the Mesaverde Formation.
4. After reaching TD (5500' true vertical depth), pull up in casing and perform final flow test, running Schlumberger GR/temp/caliper open hole during final flow period to identify location of specific crack features if flows are significant.

CASING ---

NOTE: Minimize fluid on formation during this operation! Also, notify BLM prior to cementing.

1. IF excellent flow tests obtained, above 4 MMCF/D, indicating highly fractured MV encountered ,4 ½" , 9.50#, J-55 casing to be run to TD (minimal # of centralizers), w/ DUAL ECP's just above identified crack feature (seat to be selected based on caliper/GR log), w/ diverting tool above top ECP. After casing run, set plug and inflate ECP's using workstring (using 2% filtered KCL water). Test. If OK, proceed to cement above ECP to just above window.
2. If flow test less than 4 MMCF/D, proceed to run 4 1/2", 9.5#, J-55 casing WITHOUT ECP's to TD. Circulate light slurry cement w/ fluid loss additive up across window.

   DS Slurry design to be following (assuming no ECP's), 450 cu ft, 40% excess:
   330 sxs 50/50 poz class G + 2% gel . Yield = 1.37 , TT = 3:45, FW = 0.5 cc, 24 hr = 2300 psi, .

COMPLETION —

1. RU completion rig, and RIH w/ 4 ½" bit and scrapper and cleanout to PBTD.
2. If entire liner cemented, proceed to run GR/CBL/CCL from TD to TOC ; also run TDT.
3. IF ECP's run/lower portion non-cemented, evacuate csg, and underbalance perforate MV @ crack features, based on temp log (MINIMIZE FLUID ON FORMATION!!), using BlueJet 3 1/8" "Big Gun"3/4" dia , 4 spf system . IF entire string cemented, proceed to shoot w/ normal .34" limited entry perfs, concentrated around GR/Temp frac indications. Limit entire interval to 100'-150' OA (vs standard 300' max). Acidize/breakdown, and frac stimulate as per attached BJ procedure. Repeat for upper intervals.
4. Clean out if necessary using gas or air; unload well; land 2 3/8", 4.7#, J-55 w/ SN @ mid-perf, and put to test/ production.