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

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

5. Lease Designation and Serial No.: SF-078199

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.: Houck Gas Com C #1E

2. Name of Operator: Amoco Production Company Attn: John Hampton

9. API Well No.: 30-045-26173

3. Address and Telephone No.: P.O. Box 800 Denver, Colorado 80201

10. Field and Pool, or Exploratory Area: Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 790' FNL, 1365' FWL Sec. 6, T29N-R9W Unit "C"

11. County or Parish, State: San Juan, 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 Bradenhead Repair	☐ 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.)*

Amoco intends to perform the attached workover procedure required to eliminate bradenhead pressure.

In addition, Amoco also requests approval to construct a temporary 15'X15'X 5' blow pit for return fluids. This pit will be reclaimed if utilized, upon completion of this operation.

RECEIVED
FEB 12 1992
OIL CON. DIV.
DIST. 3

92 JAN 27 PM 1:44
RECEIVED
BLM
FARMINGTON, NM.

Please contact Cindy Burton (303) 830-5119 if you have any questions.

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

Signed J. L. Hampton Title Sr. Staff Admin. Supv. Date 1/24/92

APPROVED
FEB 11 1992
AREA MANAGER

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

NMOCD

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 law 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 plugs; 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.

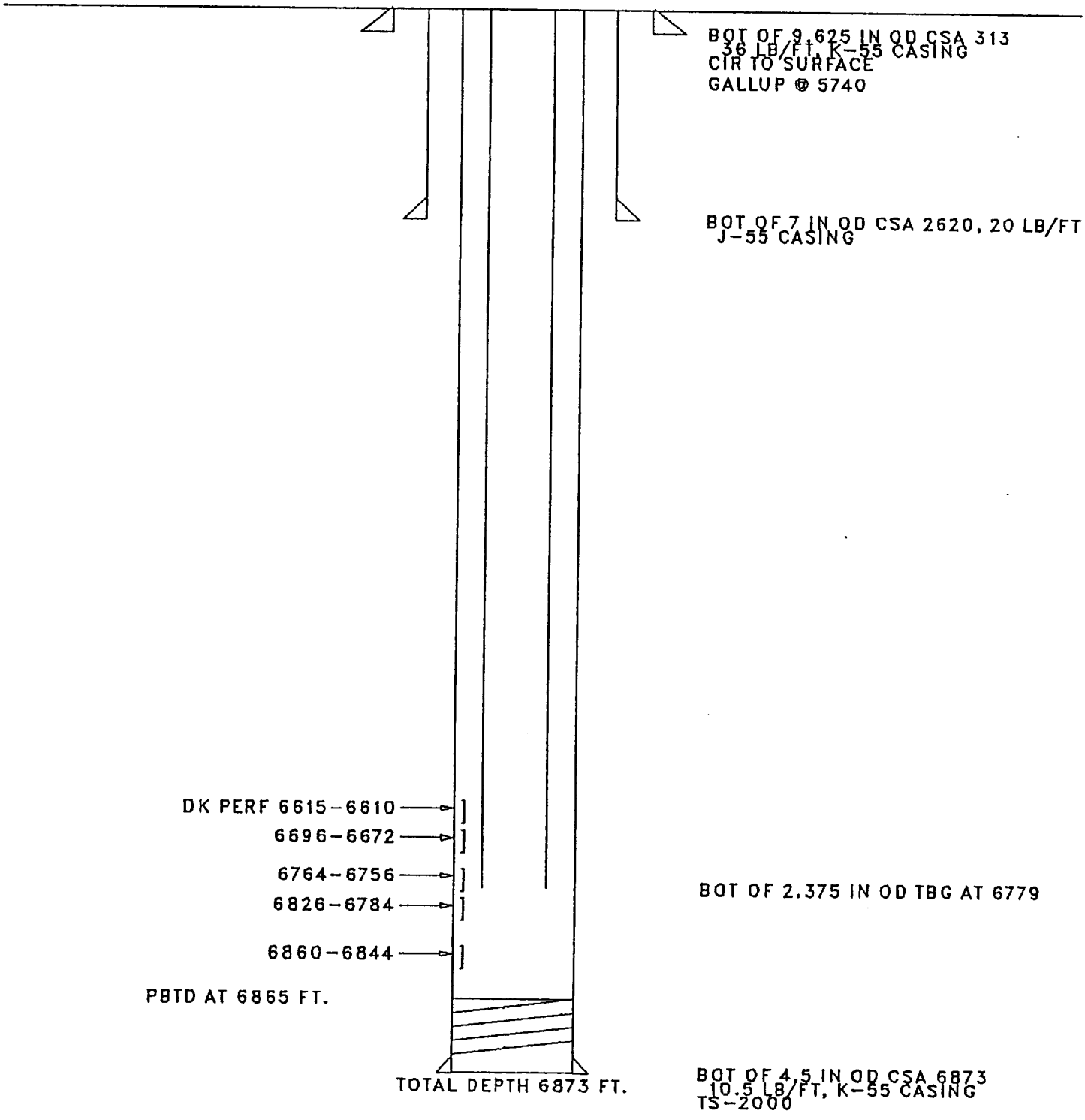
This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

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.

HOUCK GAS COM C #1E
LOCATION, C06-29N-09W
SINGLE DK
ORIGINAL COMPLETION 2/85
LAST FILE UPDATE 10/91 BY CSW



Workover Procedure
Houck Gas Com C #1E
Sec.06-T29N-R09W
San Juan County, NM

1. Contact Federal or State agency prior to starting repair work.

2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.

3. Install and/or test anchors.

4. MIRUSU. Check and record tubing, casing and bradenhead pressures.

5. Blow well down, kill well if necessary with 2% KCL.

6. Nipple down well head, nipple up and pressure test BOP's.

7. Trip in the hole and tag PBTD, check for fill, trip and tally out of hole with tubing checking condition of tubing.

8. Trip in the hole with bit and scraper to the top of the perforations. A seating nipple and standing valve may be run in order to pressure test the tubing.

9. Trip in the hole with RBP and PKR. Set RBP 50-100 ft. above perforations. Trip out of hole one joint and set PKR and pressure test RBP to 1500 psi. Release PKR and pressure test csg to 1000 psi. If no leak is found, spot sand on RBP, trip out of hole and skip step 10.

10. Trip out of hole isolating leak in casing. NOTE: Once leak is located contact Brent Miller in Denver at (303) 830-4049. Spot sand on RBP and trip out of hole with PKR.

11. Determine from well file and history if a CBL needs to be run from the top of RBP to bottom of intermediate casing shoe. If this is needed, run CBL under 1000 psi and report results to Denver.

12. Bleed off any intermediate casing pressure and check for flow, fill annulus with 2% KCL water. Nipple down BOP's and tubing head, spear casing and remove slips, nipple up BOP's.

13. Run freepoint and back off casing as deep as possible but not below the intermediate casing shoe. Trip out of hole laying down and checking condition of casing.

14. Trip in the hole with bit and scraper to top of casing back off, circulate hole clean and trip out with scraper.

15. Trip in the hole with RBP and PKR and set RBP above casing backoff, trip out of hole one joint and set PKR and pressure test RBP.

16. Release packer and trip out of hole isolating leak in casing. NOTE: IF this can not be accomplished contact Brent Miller in Denver (303) 830-4049.

17. Release PKR and spot sand on RBP and trip out of hole.

18. Run, if necessary a CBL & CCL to determine cement top on the intermediate casing.

19. Perforate casing, if necessary with 4 JSPF and circulate dye to determine cement volume. Depending on the depth of the hole and circulating pressure, a PKR or a cement retainer may be needed.

20. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface. Shut bradenhead valve and attempt to obtain a squeeze pressure and WOC.

21. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.

22. Trip in the hole with retrieving head for RBP, circulate sand off of RBP and trip out of hole with plug.

23. Trip in the hole with casing and tag casing backoff. Circulate the top of the back off clean with 2% KCL water. Circulate PKR fluid to fill annulus if no additional squeeze work is required. This will be determined from the previous CBL run. Tie back onto production casing and pressure test casing.

24. Nipple down BOP's and tubing head, set slips and make cut off. Install tubing head and BOP's and pressure test.

25. Trip in the hole with retrieving head for RBP, circulate sand off of RBP with 2% KCL and trip out of hole with plug.

26. Trip in hole with a sawtooth collar and/or bailer and clean out to PBTD and trip out of hole.

27. Trip in the hole with the production string (1/2 mule shoe on bottom and a seating nipple one joint off bottom), land tubing to original depth. Nipple down BOP's, nipple up well head.

28. Swab well in and put well on production.

29. Rig down move off service unit.

FIELD PIT SITE ASSESSMENT FORM

EPFS EL PASO FIELD SERVICES

GENERAL

Meter: 82470 Location: HOUCK GAS COM D #1

Operator #: 0203 Operator Name: Amoco P/L District: BLOOMFIELD

Coordinates: Letter: C Section 6 Township: 29 Range: 9

Or Latitude _____ Longitude _____

Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____

Site Visit Date: 4.15.94 Run: 10 83

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)

Inside Vulnerable Zone ☒

Outside ☐

Land Type:

BLM ☒

State ☐

Fee ☒

Denny Lee Foust

DEPUTY OIL & GAS INSPECTOR

SEP 10 1996

Approved

Depth to Groundwater

Less Than 50 Feet (20 points) ☐

50 Ft to 99 Ft (10 points) ☐

Greater Than 100 Ft (0 points) ☒

Wellhead Protection Area :

Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ YES (20 points) ☒ NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☐

200 Ft to 1000 Ft (10 points) ☐

Greater Than 1000 Ft (0 points) ☒

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DIST. 3

Name of Surface Water Body _____

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

TOTAL HAZARD RANKING SCORE: 0 **POINTS**

REMARKS

Remarks : ONLY PIT ON LOCATION. PIT IS DRY. DO NOT KNOW WHY THIS LOCATION IS IN THE WATER VULNERABLE ZONE.

(SP3180) 03/16/9

ORIGINAL PIT LOCATION

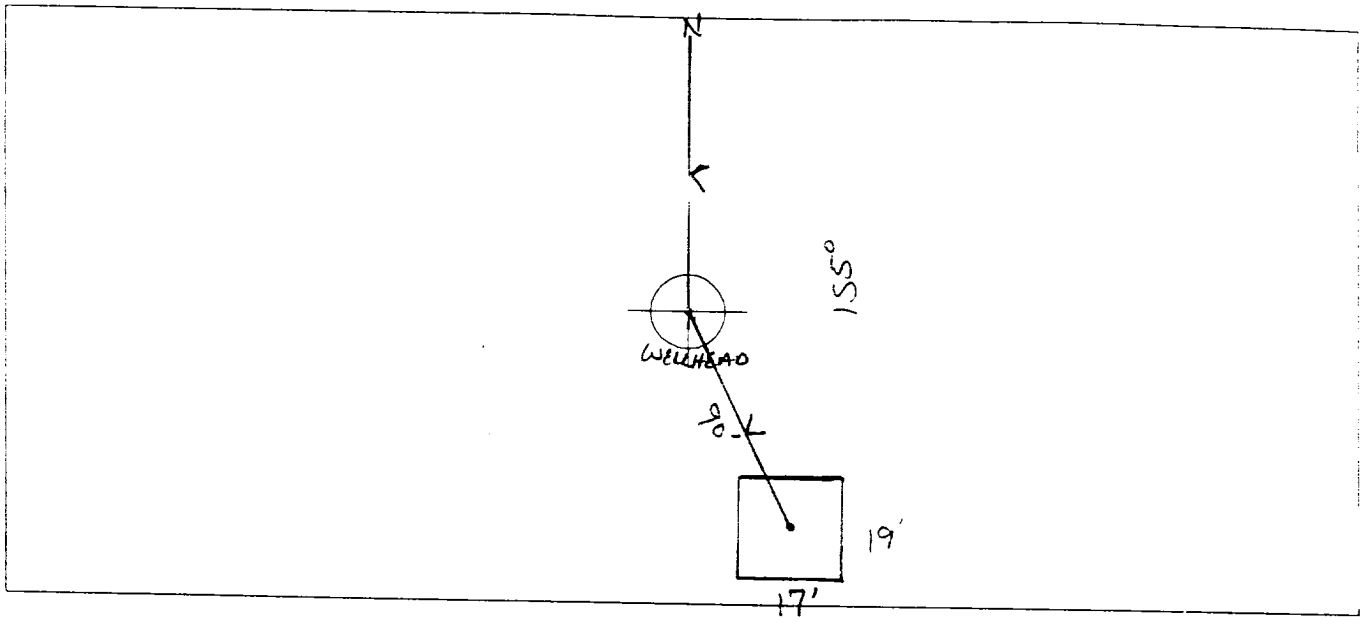
ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 155° Footage to Wellhead 90'

b) Degrees from North _____ Footage to Dogleg _____

Dogleg Name _____

c) Length : 19' Width : 17' Depth : 3'



REMARKS

Remarks :

STARTED TAKING PICTURES AT 9:40 A.M.
END DUMP

Completed By:

Robert Thompson
Signature

4.15.94
Date

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 82470 Location: HOUCK GAS COM D #1
Operator #: _____ Operator Name: _____ P/L District: _____
Coordinates: Letter: ___ Section ___ Township: ___ Range: ___
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: _____ Area: 10 Run: 83

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☐ (1)
Outside ☐ (2)

Land Type:
BLM ☐ (1)
State ☐ (2)
Fee ☐ (3)
Indian _____

Depth to Groundwater
Less Than 50 Feet (20 points) ☐ (1)
50 Ft to 99 Ft (10 points) ☒ (2)
Greater Than 100 Ft (0 points) ☐ (3)

Wellhead Protection Area :
Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☐ (2) NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) ☐ (1)
200 Ft to 1000 Ft (10 points) ☒ (2)
Greater Than 1000 Ft (0 points) ☐ (3)
Name of Surface Water Body VACA CANYON
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)
Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 20 **POINTS**

REMARKS

Remarks : _____