

State of Colorado  
Oil and Gas Conservation Commission  
DEPARTMENT OF NATURAL RESOURCES



FOR OGCC USE ONLY

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JUL 12 1999  
OIL & GAS CONS. COM

WELL ABANDONMENT REPORT

Submit original plus one copy. This form is to be submitted as an intent whenever a plugging is planned on a borehole. The approved intent shall be valid for one year after the approval date; after that period a new intent will be required. After the plugging is complete, this form shall again be submitted as a subsequent report of the work as actually completed.

ET: 3M OE: PR: ES:

OGCC Operator Number: 86900	Contact Name & Phone: Dallas C. Bennett	24 hour notice required, contact @ _____
Name of Operator: Texaco E & P Inc.	No: 307-352-5117	
Address: P.O. Box 1629	Fax: 307-35205180	Complete the Attachment Checklist
City: Rock Springs	State: WY Zip: 82902	
API Number: <del>0510705216000</del>	Well Name: Henry-Dennis	Wellbore Diagram Oper <input checked="" type="checkbox"/> OGCC
Well Number: 5	Location (QtrQtr, Sec, Twp, Rng, Meridian): NW-NW 1/4 Section #17, T6N - R86W, 6th P.M.	
County: Routt	Federal, Indian or State lease number:	Cement Job Summary
Field Name: Tow Creek	Field Number:	Wireline Job Summary

Notice of Intent to Abandon

Notice of Intent to Abandon

Background for Intent Only

Reason for abandonment:  Dry  Production sub-economic  Mechanical problems  Other

Casing to be pulled:  No  Yes Top of casing cement: \_\_\_\_\_

Fish in hole:  No  Yes If yes, explain details below: \_\_\_\_\_

Wellbore has uncemented casing leaks:  No  Yes If yes, explain details below: \_\_\_\_\_

Details: Texaco drilled well in 1928, but Sundance Oil Company produced the well until they abandon it in 1974. Gas is leaking up through the ground in the area of the abandoned well. It appears that one of the cement plugs is leaking, and needs to be repaired. Please reference the attached proposed re-abandonment procedure for details.

Note: Known details on this well bore are very brief. NO CASING WILL BE PULLED.

Current and Previously Abandoned Zones

Formation	Perforations	Date	Method of Isolation (None, Squeezed, BP, Cement, etc.)	Plug Depth

Casing History

Casing String	Size	Cement Top	Stage Cement Top
0-30'	15-1/2"	None	
0-390'	12-1/2"	322'	
0-2606'	8-1/4"	2550'	

Plugging Procedure for Intent and Subsequent Report

1. CIBP #1 Depth 2100' CIBP #2 Depth \_\_\_\_\_ IBP #3 Depth \_\_\_\_\_ NOTE: Two (2) sacks cement required on all CIB

2. Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. to  Casing  Open Hole  Annulus

3. Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. to  Casing  Open Hole  Annulus

4. Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. to  Casing  Open Hole  Annulus

5. Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. to  Casing  Open Hole  Annulus

6. Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. to  Casing  Open Hole  Annulus

7. Perforate and squeeze @ 2150' ft. with \_\_\_\_\_ SKS Leave at least 100 ft. in casing

8. Perforate and squeeze @ \_\_\_\_\_ ft. with \_\_\_\_\_ SKS Leave at least 100 ft. in casing

9. Perforate and squeeze @ \_\_\_\_\_ ft. with \_\_\_\_\_ SKS Leave at least 100 ft. in casing

10. Set \_\_\_\_\_ SKS 1/2 in 1/2 out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

11. Set \_\_\_\_\_ SKS @ surface

Cut 4 feet below ground level, weld on plate

Set \_\_\_\_\_ SKS in rat hole Set \_\_\_\_\_ SKS in mouse hole

Dry-Hole Marker  No  Yes

Additional Plugging Information for Subsequent Report Only

Casing recovered: \_\_\_\_\_ ft. of \_\_\_\_\_ in. casing Plugging date: \_\_\_\_\_

\*Wireline contractor: \_\_\_\_\_

\*Cementing contractor: \_\_\_\_\_

Type of cement and additives used: \_\_\_\_\_

\*Attach job summaries. \_\_\_\_\_

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name Dallas C. Bennett

Signed DC Bennett Title: Production Supervisor Date: 07/07/99

OGCC Approved: JAIME ADKINS Title: \_\_\_\_\_ Date: AUG 12 1999

NORTHWEST AREA ENGINEER

(1) Set a cement plug from 2606' to 2506' (100') in 8 1/4" csg.

(2) If circ. unsuccessful on any perf/Retainer squeeze the perf/Retainer shall be covered w/ 100' of cement.

(3) Provide 48 Hour notice to JAIME ADKINS 970/858-7521

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## Henry – Dennis #5 Plug and Abandonment Procedure

1. Set and test rig anchors. Caution all personal, "Potential Gas Leak to the Surface in Area Around Well" LEL monitoring and Hot Work Permits will be necessary.
2. Excavate dirt from around abandoned well. 15-1/2", 12-1/2", 8-1/4" pipe remain at surface. The 8-1/4" casing was cut off 2' below the surface, with a cement plug spotted from 5' – 55'. Dig out 8-1/4" casing both inside and outside.

*NOTE: Identify the ID of the 8" pipe ASAP. Retainers for this size of pipe are not readily available, and will need to be ordered in.*



3. Weld 11", 2,000 psi SOW wellhead on 8-1/4" pipe (Wellhead is on hand material at Cameron). A 2K DSA will be needed to mate wellhead to BOP. MIRU pump, pit and tanks. Load tanks with fresh water.
4. MIRUSU and Power swivel. Float 3,000 feet of 2-7/8" 6.5 #/ft, EUE work string. NU 3,000 psi, double gate BOP loaded with 2-7/8" pipe / blind rams.
5. PU 7" rock bit, sub, and 3-1/2" DC. Drill cement plug from 5' – 55'. Circulate hole clean.

*NOTE: Pressure may be trapped below cement plug. Clear rig floor while drilling plug. Personnel to be on floor during connection only.*

*A 60/40 Lead / Zinc thread compound is recommended for drilling with the EUE connections.*

6. Pick up singles and slowly TIH from 55' to estimated cement top at 2,422'. Tag PBTD. Circulate hole every 200' for clean returns.
7. Circulate hole clean. Close pipe rams and pressure test 8-1/4" casing to 500 psi. TOOH, standing back tubing. If casing fails integrity test pump fresh water through casing leak and monitor for returns, rate and pressure. If returns are seen at surface, pump a marker flag to identify the depth of the leak.

*-----This procedure assumes casing integrity. If casing fails integrity -----  
the same procedure is recommended, with only slight changes.*

8. RU wireline and RIH with 4-way squeeze gun and perforate squeeze holes at 2,150', POOH with wireline.
9. **Attempt to circulate** down 8-1/4" casing up 12-1/2" x 8-1/4 annulus. If circulation, circulate hole for clean returns. **If circulation is not achieved**, RU wireline and RIH to 1,000' with 4-way squeeze gun and perforate squeeze holes at 1,000', POOH with wireline. Attempt to circulate down 8-1/4" casing up 12-1/2" x 8-1/4 annulus through squeeze holes at 1,000'. Circulate for clean returns. **If circulation is not achieved**, RU wireline and perf 4-wqy squeeze holes at 400', POOH, RD wireline.
10. The drilling records indicate oil and gas shows at 140' and from 2170' to 3105'. The following cement plugs will isolate these shows:

**If circulation is achieved from 2,150':** PU tubing set Cement Retainer, TIH to 2,100', set and test retainer. Sting out of retainer and load hole with water. Sting into retainer and establish circulation with water down tubing up 8-1/4" x 12-1/2" annulus. Mix and pump 625 sacks of 1.15 cu ft/sk cement, 600 sacks below retainer. Sting out of retainer and spot 560 sacks of cement from 2,100' to surface while LD tubing. Spot plugs in 250' sections, PUH slowly through cement to allow cement to fall from tubing.

**If circulation is achieved from 1,000':** PU tubing set Cement Retainer, TIH to 2,100', set and test retainer. Sting out of retainer and load hole with water. Sting into retainer and establish rate and pressure below retainer, through holes at 2,150'. Squeeze holes at 2,150' by pumping 50 sacks below retainer, sting out of retainer and spot a 260 sack cement plug on top of retainer from 2,100' to 1,100'. TOOH with tubing and stinger, LD 1,100' of tubing. PU cement retainer and TIH to 950'. Set and test retainer. Establish rate and pressure into retainer, through squeeze holes at 1,000' up 8-1/4" x 12-1/2" annulus. Mix and pump 275 sacks of 1.15 cu ft/sk cement below retainer. Sting out of retainer and spot a 250 sack cement plug on retainer from 950' to surface.

**If circulation is not achieved from 2,150 or 1,000:** PU tubing set Cement Retainer and TIH to 2,100'. Set and test retainer. Sting out of retainer and load hole with water. Sting into retainer and establish rate and pressure below retainer, through squeeze holes at 2,150'. Mix and pump 50 sacks of 1.15 cu ft/sk cement below retainer. Sting out of retainer and spot a 260 sack cement plug on top of retainer from 2,100' to 1,100'. TOOH with tubing and stinger, LD 1,100' of tubing. PU tubing set Cement Retainer and TIH to 950'. Set and test retainer. Establish rate and pressure below retainer, through squeeze holes at 1,000'. Mix and pump 50 sacks of 1.15 cu ft/sk cement below retainer. Sting out of retainer and spot a 125 sack cement plug on retainer from 950' to 450',

TOOH, LD tubing . Leave one stand of tubing in BOP, mix and pump 150 sacks of 1.15 cu ft/sk cement down tubing, filling casing surface to 400' and 12-1/2 x 8-1/4 annulus. POOH with tubing, clear BOP's.

11. ND BOP, RDMOSU. Order redimix cement if necessary to top off casing and annulus. Clear location, cut off wellhead and erect P&A marker as per landowner and COGCC. Reclaim location soil if necessary, re-contour to natural terrain and seed.

Section 17, T6N - R86W  
NW-NW-NW 1/4 (220' FNL & 220' FWL)  
Routt county, CO

Status Plugged and Abandon  
Sept. 30, 1974  
by Sundance Oil Co.

Elevations  
K.B.  
G.L. 6535'

WELLBORE DIAGRAM

10 sx cmt plug 55' to 5'

8-1/4" cut off 2'  
below surface &  
cap welded on

15-1/2" @ approx 30'

Oil, Gas, Water show at 140'

12-1/2" @ 390' w/ 10 sx.

Oil and Gas show @ 2170'

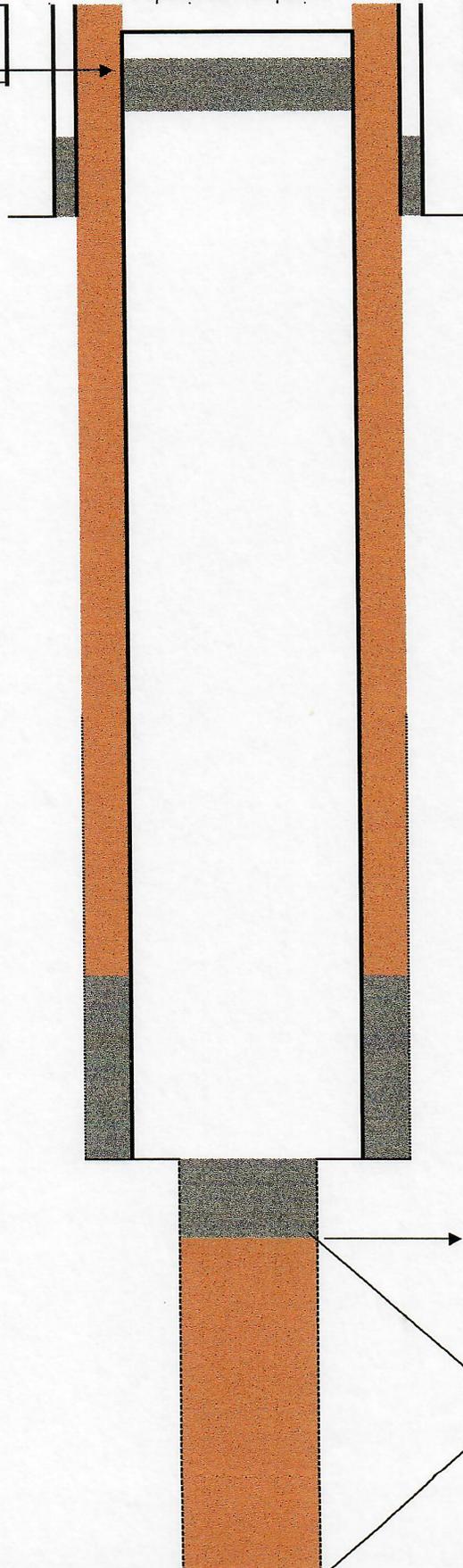
Strong Gas @ 2425' - 2555' (1 million)

8-1/4" @ 2606' w/ 15 sx.

25 sx plug from 2668' to 2606'

Open Hole

TD @ 3105'



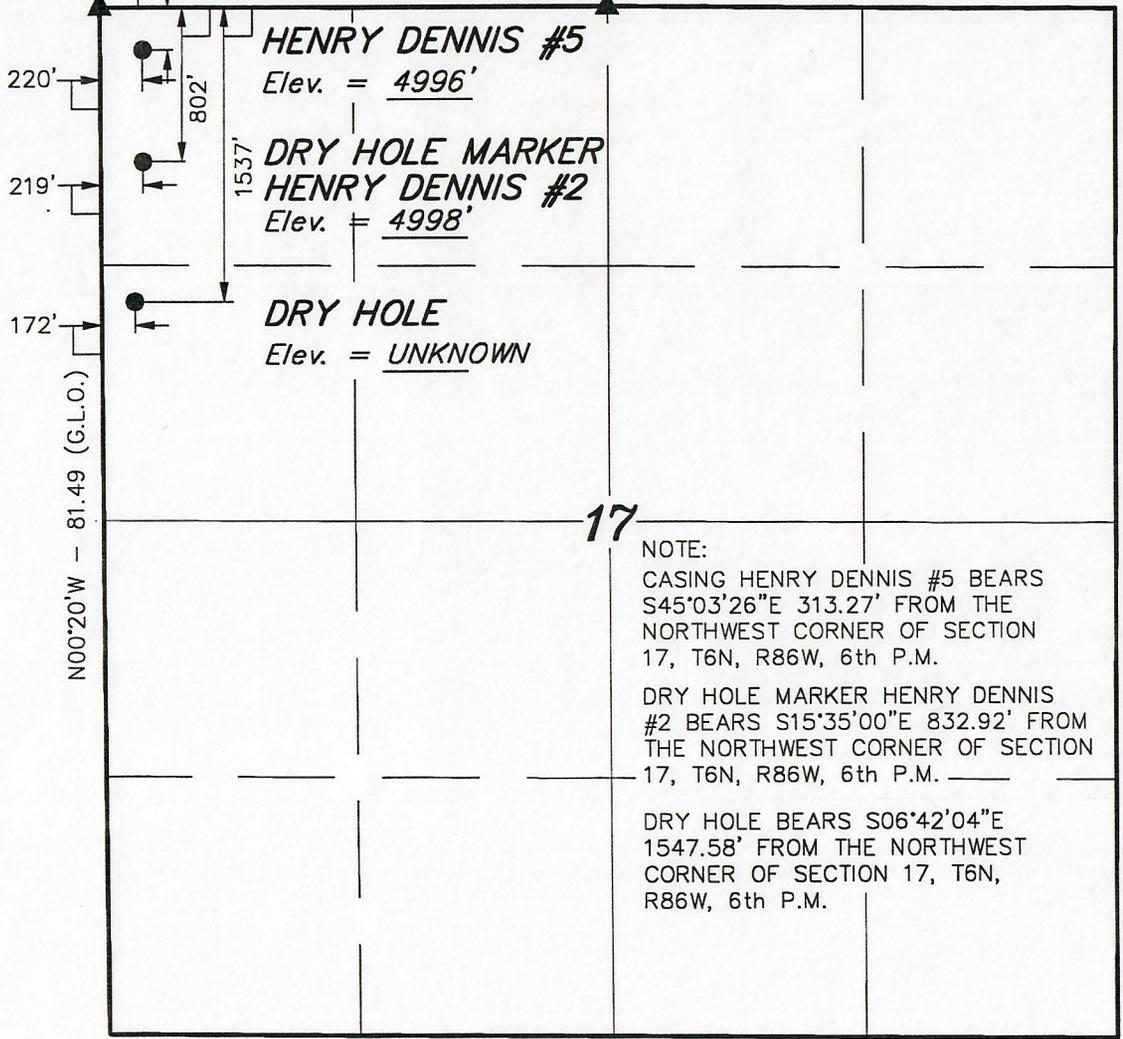
# T6N, R86W, 6th P.M.

1918 Brass Cap  
1.0' High, E-W  
Fenceline, Fiberglass  
Pole

N89°57'W - G.L.O. (Basis of Bearings)  
221' 2656.71' - (Measured)

1918 Brass Cap  
1.0' High, 4 Way  
Fence Corner

N89°29'W - 40.01 (G.L.O.)



NOTE:  
CASING HENRY DENNIS #5 BEARS S45°03'26"E 313.27' FROM THE NORTHWEST CORNER OF SECTION 17, T6N, R86W, 6th P.M.  
DRY HOLE MARKER HENRY DENNIS #2 BEARS S15°35'00"E 832.92' FROM THE NORTHWEST CORNER OF SECTION 17, T6N, R86W, 6th P.M.  
DRY HOLE BEARS S06°42'04"E 1547.58' FROM THE NORTHWEST CORNER OF SECTION 17, T6N, R86W, 6th P.M.

**LEGEND:**

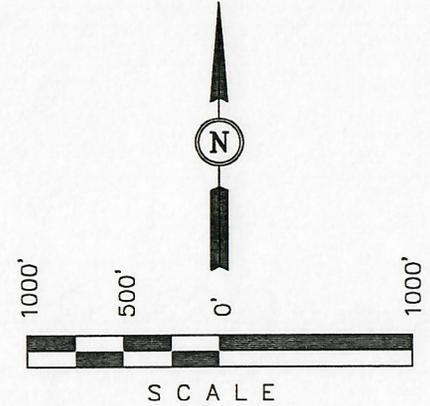
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

## TEXACO EXPLR. & PROD., INC.

Dry Holes located as shown in the NW 1/4 of Section 17, T6N, R86W, 6th P.M. Routt County, Colorado.

### BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 17, T6N, R86W, 6th P.M. TAKEN FROM THE MILNER QUADRANGLE, COLORADO, ROUNTT COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6459 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Key*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-26-99	DATE DRAWN: 04-27-99
PARTY B.B. K.K. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE TEXACO EXPLR. & PROD., INC.	