



February 14, 2012

Durango Operations Center
380 Airport Rd.
Durango, Colorado 81303
Tel. (970) 247-6800

Abandonment Risk Assessment

Well: Bondad 33-9 #35 (API 05-067-07066)

Location: SWNW Sec13, T33N, R9W

Drilled By: Northwest Pipeline Corp

Operated by: Northwest Pipeline Corp

Abandoned by: Williams Production Co.

Proposed BP well: Davis, Warren GU C #3

Location: Sec 13, T33N, R9W NMPM

The subject well is located within ¼ mile of the proposed bottom hole location of BP's requested Davis, Warren GU C #3. BP is obligated to evaluate the degree of probable success the P&A job on this well has achieved in maintaining zonal isolation of fluids

The subject well was drilled by Northwest Pipeline Corp in 1988 as a vertical Dakota producer. After drilling 13 3/4" hole 10 3/4" surface casing was set at 234' and cemented to surface. After drilling 9 7/8" intermediate hole, 7 5/8" 26.4# K 55 casing was run to 3448' and cemented to surface. 4.5" 10.5# K 55 was ran to 8070 ft and cemented in place.

The Diagrams we have to look at don't show cement back to surface. They show cement TOC to 4788 ft. A cement bond log that was run showed no cement in 4.5" 7.5" annulus.

In August 1994 the well was abandoned and the following was completed on it:

8-23-94 ran 2 3/8" workstring to 5000 ft. circulated into formation at 2 bpm at 1400 #. Pumped 448 Cu ft of class G cement. Final squeeze pressure was 2900 # at 0.5 Bpm. Stuck tubing in hole when circulating out.

8-25-94 ran CBL to determine no cement in 4.5" 7.5" annulus. Perfed 4.5" with 4 x 0.5" holes at 3100 ft. Set a cement retainer at 2960 ft. Pumped 629 cu ft of Class B neat cement. Circulated 15 bbls of cement to surface. Pumped 1 bbl of cement on top of retainer. Pumped 120 cu ft of cement from 120 ft to surface with Class B neat cement. Pumped 1 bbl of cement to braidenhead at 500 #.

In reviewing the proposed infill well, Davis Warren GU C #3, no risk of collision between these 2 wells exists and BP routinely takes all necessary measures during planning and execution to reduce the risk of intersecting any well bores.

More importantly, the Dakota formation appears to be adequately isolated behind the production casing string on the Bondad 33-9 # 35. As far as we can predict, the Bondad 33-9 #35 has been effectively squeezed to proper injection pressures and all annulus area is closed with enough cement to isolate the well. The only risk appears to be when they squeezed the 4.5" to 7.5" annulus area, they established circulation to surface with cement and pumped to an overbalanced situation, but have no good indications that the cement filled the gap between the bottom of the 7.5" casing shoe and the TOC cement placement at 4788 ft. We assume the cement went down and filled that area. This is the only real visible area that could potentially have issues.

See attached summary and diagrams:

To: Dave Dillard
From: Stang Katigis

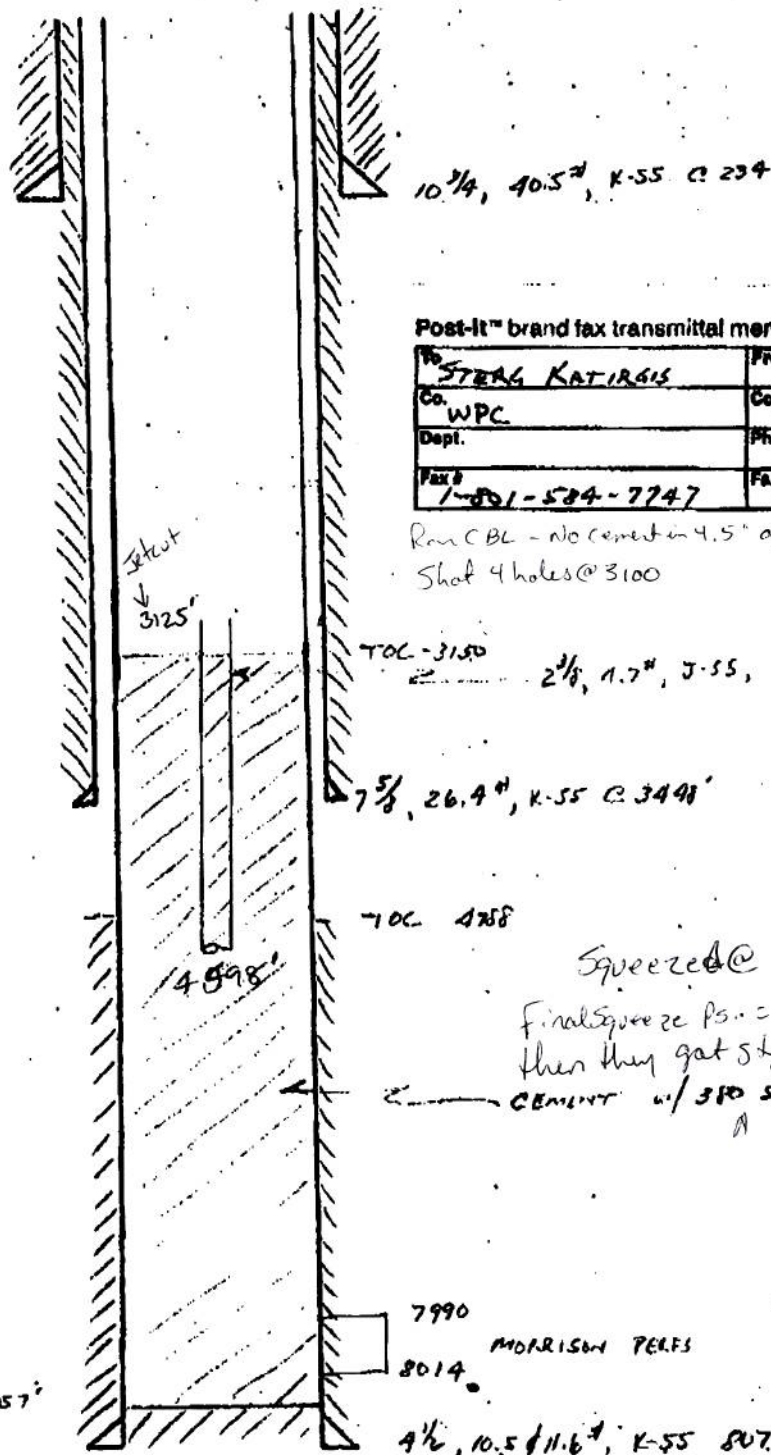
303/894-2109



WELL BORE DIAGRAM FOR BONDAD 33.9 #35

Dave Dillard

OSCO ALACIN 1568
TSURU LAND 2568
PC 2009
CLIFF HOUSE 4769
POINT LOUISIANA 5450
MANHATTAN 5750
DARWIN 7704
MORRISON 7988



Post-It™ brand fax transmittal memo 7671 # of pages >	
To: STANG KATIGIS	From: PAUL THOMPSON
Co. WPC	Co. WALSH ENG'G
Dept.	Phone #
Fax # 1-801-584-7747	Fax # 505 327-4892

Ran CBL - No cement in 4.5" annulus
Shot 4 holes @ 3100

2 3/8, 1.7", J-55, FROM 5000 - 3125

Squeezed @ 26 bpm @ 1400 ft
Final Squeeze ps = 2900 # @ 0.6 GPM
then they got stuck + cut fibbing
CEMENT w/ 310 SX (498 cu.ft.)

PSTD - 8057

7990
8014 MORRISON PERES

4 1/2, 10.5 & 11.6", K-55 8070

RECEIVED

SEP 12 1994

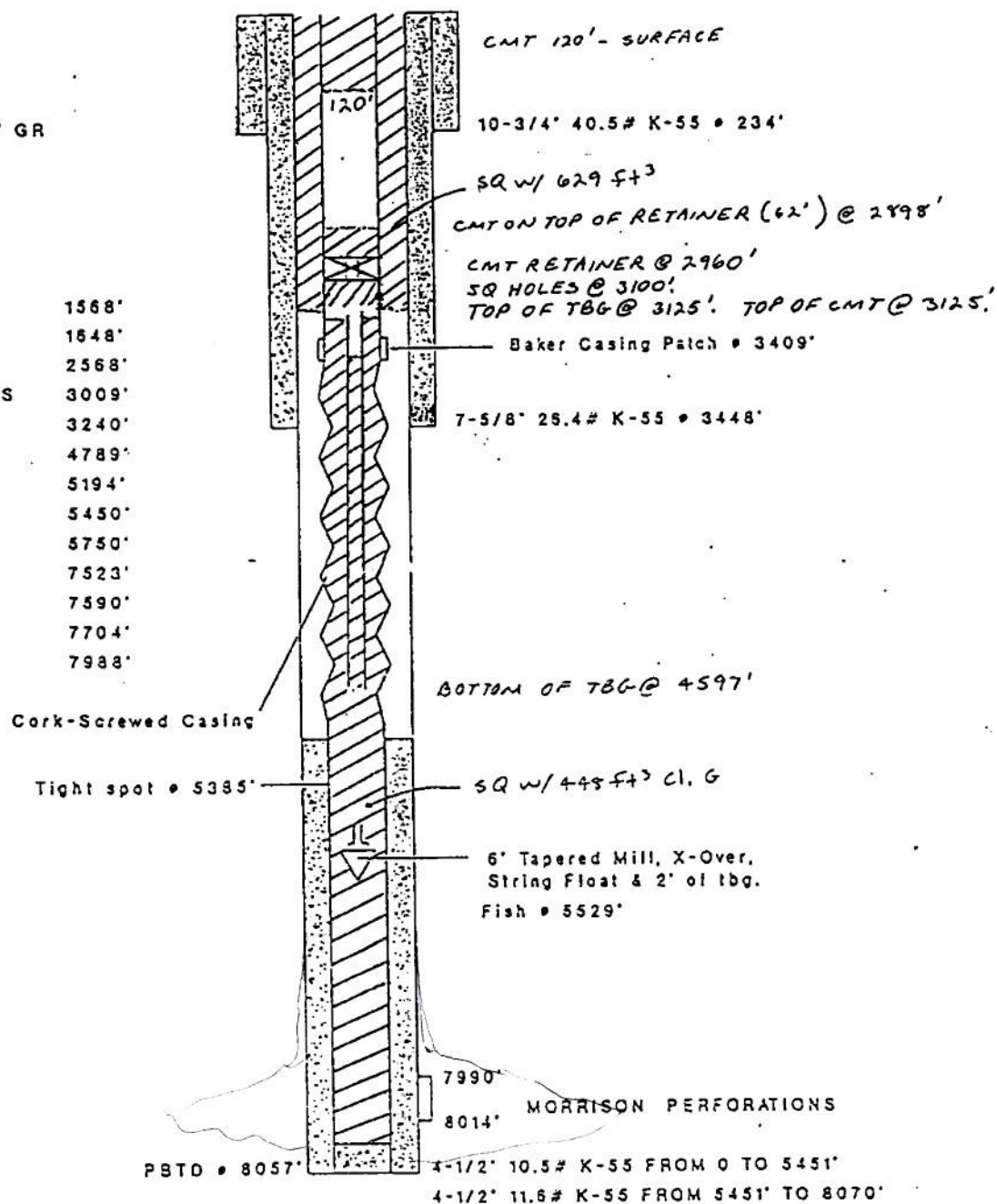
WELLBORE DIAGRAM
BONDAD 33-9 #35

COLO. OIL & GAS CONS. COMM.

ELEVATION: 6667' GR
KB: 12'

TOPS:

OJO ALAMO	1568'
KIRTLAND	1648'
FRUITLAND	2568'
PICTURED CLIFFS	3009'
LEWIS	3240'
CLIFF HOUSE	4789'
MENEFEE	5194'
POINT LOOKOUT	5450'
MANCOS	5750'
GREENHORN	7523'
GRANEROS	7590'
DAKOTA	7704'
MORRISON	7988'



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
13-3/4"	10-3/4" 40.5#	160 SX	190 CU.FT.	SURFACE
9-7/8"	7-5/8" 26.4#	375 SX	696 CU.FT.	SURFACE
6-3/4"	4-1/2" 10.5, 11.6	440 SX	550 CU.FT.	4788' (SURV)

BONDAD 33-9 #35
NW/4 SEC 13 T33N R9W
P & A RECAP

RECEIVED

SEP 12 1994

COLO. OIL & GAS CONSTRUCTION

8-23-94 Recap: MOL and RU Basin Well Service Rig #3. Blow casing down. Tubing was dead. ND wellhead and NU BOP. TOH and laydown 2-3/8" tubing. RU Petro and run 3.75" OD gauge ring on wireline and tag up at 3439' KB. RD Petro. Tally 2-3/8" workstring and TIH open ended to 5000' KB. Circulated hole with rig pump. Dowell established rate into formation of 2 BPM at 1400#. Pumped 380 sx (448 cu.ft.) of CL "G" with 2% CaCl₂. Displaced cement with 14.7 bbls (5.3 bbls short of tbg displacement) of water. Final squeeze pressure was 2900# at 0.5 BPM. Pulled 5 stands and tried to reverse circulate tubing. Pressured up to 3000# after 1 bbl. Pulled another 3 joints. Pulled collar off tubing pulling 80,000#. Shut rams on tubing and shut well in. SDON.

Daily Costs: \$ 8,502

Total Costs: \$ 8,502

8-24-94 Recap: Pick up overshot and work over 2-3/8" tubing. Run free point tool. Able to work to 3445' inside tubing, but free point was 3125'. Jet cut tubing at 3125'. Lay down overshot and 1 joint of tubing. Shut well in. SDON.

Daily Costs: \$ 5,390

Total Costs: \$13,892

8-25-94 Recap: TOH with tubing. Petro ran CBL from 3125' - no cement in 4-1/2" annulus. Shot 4 (0.5") holes at 3100' KB. Set 4-1/2" cement retainer at 2960' KB. Lay down bent tubing. Picked up stinger on new tubing and stung into retainer. Cementers Inc. established circulation up annulus with water and cemented with 525 sx (629 cu.ft.) of CI "B" neat cement. Circulated 15 bbls of cement to surface. Displaced cement with 10.5 bbls and stung out of retainer. Pumped remaining bbl (5.6 cu.ft.) of cement on top of retainer. TOH to 120' KB. Established circulation with water and spotted 20 sx (24 cu.ft.) of CI "B" neat cement inside 4-1/2" from 120' to surface. Circulated 1 bbl of cement to surface. Pumped 1 bbl of cement in bradenhead at 500#. Flushed out wellhead and BOPs. Removed tubing spool, cleaned-out 4-1/2" casing to 4' and SDON. Will cut off wellhead and install P&A marker 8/25/94.

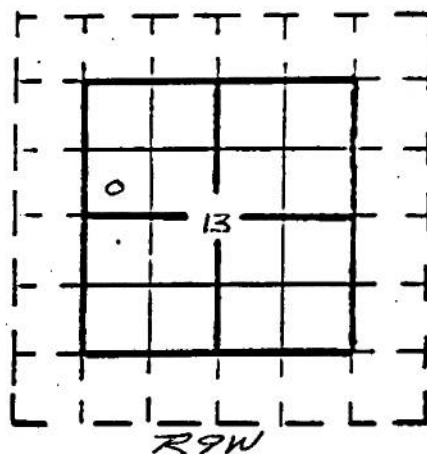
Daily Costs: \$ 9,458

Total Costs: \$23,350

Paul Thompson
Walsh Engineering



00674655

VERBAL REQUEST

NOTICE OF INTENT TO DRILL _____
NOTICE OF INTENT TO ABANDON X
OTHER _____

COMPANY WILLIAMS PROD. Co. ADDRESS P.O. BOX 58900, MAIL STOP 2M3
SALT LAKE CITY
BY STERGIE KATIRGIS PHONE NO. 801-584-6887 EXT. _____
WELL NO. 33-9-35 LEASE BONDAD
COUNTY LA PLATA FIELD IGNACIO BLANCO DRLG UNIT _____

LOCATION 1440 FNL SEC 13 TWP 33N RNGE 9W MERIDIAN NM
1290 FNL ft. from N or S Sec. Line, and _____ ft. from E or W Sec. Line

ESTIMATED DATE OF WORK 8/24/94 ESTIMATED TIME _____

DETAILS OF PLAN OF WORK: T.D. _____ FORMATION _____

~~SURFACE CASING~~ EXISTING DAKOTA PRODUCING WELL WAS TO BE
SIDETRACKED. DURING OPERATIONS 2 3/8" TUBING WAS
CEMENTED IN HOLE. THEY WILL CUT OFF TUBING AT 3125'
PERF SQUEEZE HOLES IN 4 1/2" AT 3100'. SET RETAINER
AT ± 3000' AND SQUEEZE TO SET PLUG. THEN TO SET CMT
AT SURFACE

BONDING STATUS: PLUGGING _____ SURFACE _____ OTHER _____

Is surface owner also mineral owner? _____

ACREAGE LEASED SURROUNDING DRILLSITE _____

APPROVED BY: D. K. DILLON DATE 8/25/94



00874647

STATE OF COLORADO
PETROLEUM COMMISSION
NATURAL RESOURCES
LAND 1 COPY

JUN 26 1996

FOR OFFICE USE ONLY			
FT	FF	LC	SF

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)1. ☐ OIL WELL ☒ GAS WELL ☐ COALBED METHANE ☐ INJECTION WELL ☐ OTHER2. NAME OF OPERATOR
WILLIAMS PRODUCTION CO.3. ADDRESS OF OPERATOR
PO BOX 3102CITY STATE ZIP CODE
TULSA OK 741014. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface1440' FNL & 1290' FWL
At proposed prod. zone.12. COUNTY
LaPlata

5. FEDERAL/INDIAN OR STATE LEASE NO.

FEE

6. PERMIT NO.

88-1235

7. API NO.

05-067-07066

8. WELL NAME

BONDAD 33-9

9. WELL NUMBER

#35

10. FIELD OR WILDCAT

Ignacio Blanco DK

11. QTR. QTR. SEC. T.R. AND MERIDIAN

SW/4 NW/4 Sec 13, T33N, R9W

Check Appropriate Box To Indicate Nature of Notice, Report, or Notification

13A. NOTICE OF INTENTION TO:

- ☐
- PLUG AND ABANDON
-
- ☐
- MULTIPLE COMPLETION
-
- ☐
- COMMINGLE ZONES
-
- ☐
- FRACTURE TREAT
-
- ☐
- REPAIR WELL
-
- ☐
- OTHER

13B. SUBSEQUENT REPORT OF:

- ☒
- FINAL PLUG AND ABANDONMENT (SUBMIT 3RD PARTY CEMENT VERIFICATION AND JOB LOG)
-
- ☐
- ABANDONED LOCATION (WELL NEVER DRILLED - SITE MUST BE RESTORED WITHIN 6 MONTHS.)
-
- ☐
- REPAIRED WELL
-
- ☐
- OTHER
-
- *Use Form 5 - Well Completion or Recompletion Report and Log for subsequent report of Multiple/Commingle Completions and Recompletions

13C. NOTIFICATION OF:

- ☐
- SHUT-IN TEMPORARILY ABANDONED (DATE) (REQUIRED EVERY 6 MONTHS)
-
- ☐
- PRODUCTION RESUMED (DATE)
-
- ☐
- LOCATION CHANGE (SUBMIT NEW PLAT)
-
- ☐
- WELL NAME CHANGE
-
- ☐
- OTHER

14. DESCRIBE PROPOSED OR COMPLETED OPERATIONS ON THIS FORM (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.

15. DATE OF WORK

This well was P&A'd on August 25, 1994. The pits were reclaimed and the location reseeded and restored May, 1996.

The plugs are as follows: (a diagram and third party verification are attached)

Left 2 3/8, 4.7 #, J-55, 8 rd, EUE in 4 1/2" csg from 4597'-3125'. Filed 4 1/2" csg & tbg to 3125' w/448 ft³ CL"G" cmt w/2% Cacl.Shot 4 sq holes @ 3100'. Cmt retainer @2960'. Cmt 4 1/2" x 7 5/8" annulus from 3100'-surface w/629 ft³ Cl "B" neat cmt. Pumped 5.6 ft³ on top of retainer to 2989'.Spot 24 ft³ Class "B" neat cmt from 120'-surface inside 4 1/2" csg.

Pumped 1 bbl Class "B" neat cmt down Bradenhead.

Cut off wellhead. Installed P&A marker.

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

SIGNED

Larreen Kimbrel

TELEPHONE NO. (918) 588-4467

NAME (PRINT) LARREEN KIMBREL

TITLE SR. OFFICE ASSISTANT

DATE June 24, 1996

(This space for Federal or State office use)

APPROVED

S. K. Dixon

CONDITIONS OF APPROVAL, IF ANY:

TITLE:

SR. PETROLEUM ENGINEER
O & G Cons. Comm.

DATE:

AUG 02 1996