

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Geology, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-04896
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

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" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☐ Other ☐ TA'd

2. Name of Operator
Chevron U.S.A. Inc

3. Address of Operator
P. O. Box 1150, Midland, TX 79702

4. Well Location
Unit Letter G : 1980 feet from the North line and 1980 feet from the East line

Section 34 Township 21S Range 36E NMPM County LEA

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
3570' GR

7. Lease Name or Unit Agreement Name:
W. A. Ramsay (NCT) A

8. Well No. 30

9. Pool name or Wildcat
Eumont;Penrose

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

This well is part of the New Mexico "P&A Pilot Project" conducted by Benterra Corporation to demonstrate the plugging and abandonment process using highly compressed sodium bentonite nodules as the plugging medium.

Bottom Plug @ 3595' - 3700'	14 cu ft Zonite	Tagged
B/Salt Plug @ 2854' - 2960'	14 cu ft Zonite	Tagged
Cavity Shot Plug @ 1549' - 1570'	3 cu ft Zonite	Tagged
Cavity Shot 1520' - 1530'		
Ruslter Plug @ 1414' - 1523'	18 cu ft Zonite	Tagged
Cavity Shot Plug @ 425' - 440'	2 cu ft Zonite	Tagged
Cavity Shot from 390' - 401'		
Shoe/FW Plug @ 283' - 400'	18 cu ft Zonite	Tagged
Top Plug @ 3' - 33'	4 1/2 cu ft Zonite	

Set marker. Chevron to clean location.
Plugging operations began 9/17/01 and were completed 9/24/02.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE D. R. Bledsoe TITLE HES Specialist

DATE 10/10/2002

Type or print name Garland Bledsoe
(This space for State use)

Telephone No. (915) 687-7153

APPROVED BY [Signature] TITLE Field Rep

DATE 11-7-02

Conditions of approval, if any.

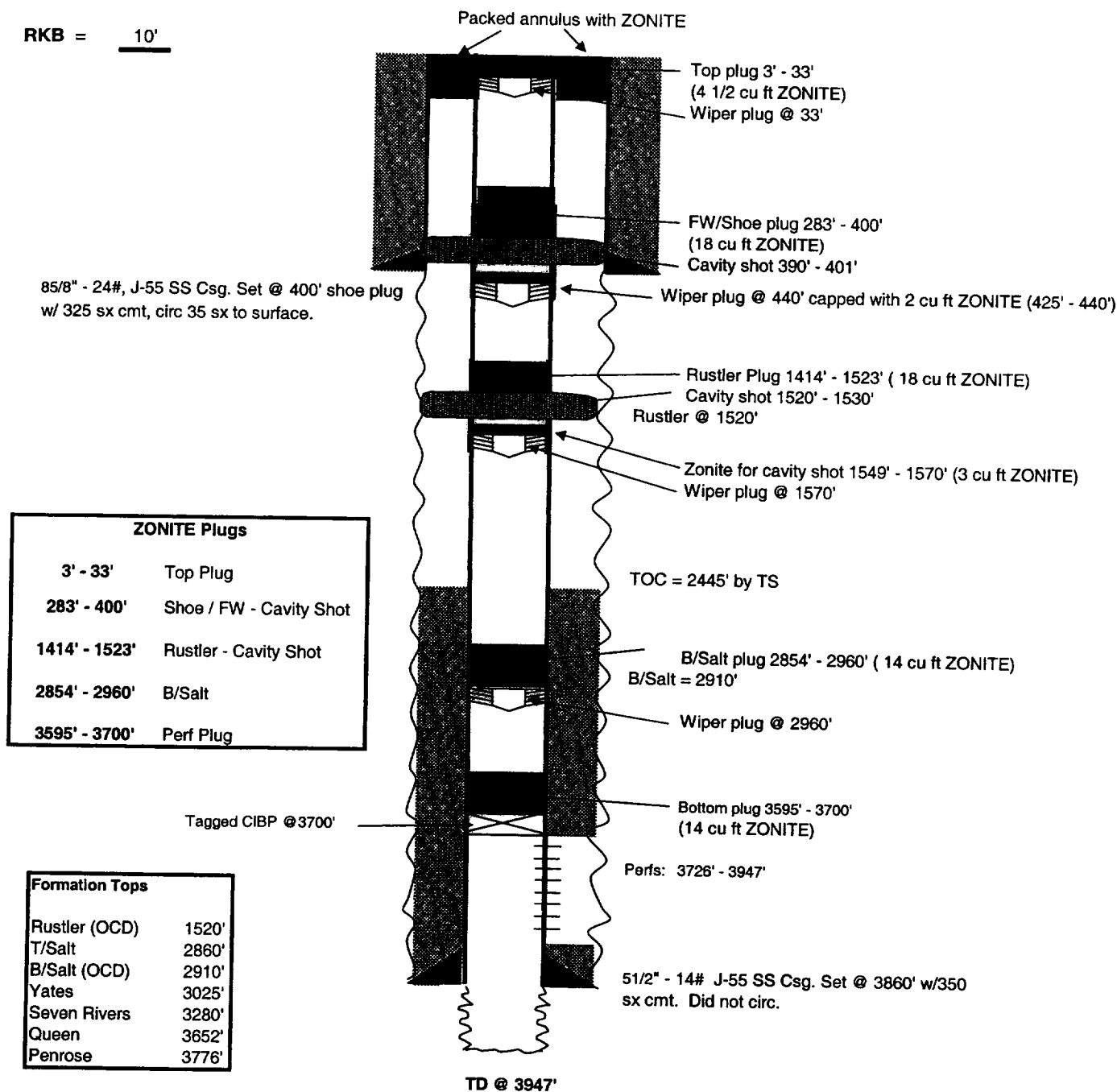
GWW

WELL PLANNING SHEET
Proposed P&A

Well Name: W. A. Ramsay (NCT-A) #30
API Number: 30-025-04896
Coordinates: 1980 FNL & 1980FEL UL G
S - T - R: Sec 34 - T21S - R36E
County / State: Lea, NM
Drilled: 1957

Operator: Chevron
Field: Eumont
Date: ##
By: MCB/CRS

RKB = 10'





CORPORATION

Daily Operations Summary

OPERATOR Chevron U.S.A. Production Company			DATE See Below		
LEASE & WELL NUMBER W. A. Ramsay A #30			COUNTY & STATE Lea, New Mexico		
FIELD Eumont			FORMATION Queen - Penrose		
TD 3947'	PBD 3700'	RKB 10'	PERFS OH 3860' - 3947' Perfs 3726' - 3947' overall		
SURFACE 8 5/8" @ 400'	INTERMEDIATE	PRODUCTION 5 1/2" @ 3860'	CIBP DEPTH 3700'		
OPERATOR CHARGE CODE			BENTERRA CHARGE CODE NWNMR-00102-021		
This well is part of the New Mexico "P&A Pilot Project" conducted by Benterra Corporation to demonstrate the plugging and abandonment process using highly compressed sodium bentonite nodules as the plugging medium.					
9/17/01					
MIRU Benterra #4. Attempt to remove WH - apparently has 1 jt of tbg below hanger. Wait on Key roustabout gang. POH & LD 1 jt of tbg - jt bent when pulling. WIH w/ SB & tag at CIBP at 3700'. FL @ 125'. Poured 10 cu ft ZONITE, wait & tag at 3675'. Fluid at surface. RU Key vac truck. Poured 4 cu ft ZONITE, wait & tag at 3595'. Btm plug set 3595' - 3700' (105') with 14 cu ft ZONITE as of 1:45 PM 9/17/01. Pushed 5 1/2" wiper rubber to 2960'. Poured 6 cu ft ZONITE, wait and tag at 2916'. Pour 8 cu ft ZONITE, wait and tag at 2854', B/Salt plug set from 2854' - 2960' (106') with 14 cu ft ZONITE as of 4:45 PM 9/17/01. Push 5 1/2" wiper rubber to 1570'. Poured 3 cu ft ZONITE, wait & tag at 1549'. This plug is just below cavity shot depth. RD Benterra					
10/10/01					
RU Key Energy WL. Build 10' long "can" (3" stove pipe) with 42 sticks (1 1/4" x 8") nitro-gel (about 22 lbs.). PU and lower into wellhead and then installed cap in one Nitro-gel stick. WIH and positioned "cavity shot" at 1520' - 1530' (5' RKB). Fired shot - no convincing evidence that can had blown. Eased out of hole & found that cap had fired but only 1 Nitro-gel stick had suffered "low detonation failure". Top of can was bulged but reusable. Removed all sticks. Removed paper from sticks and packed gel into can. Used total of 70 sticks (+/- 35 lbs.) of explosive. Installed cap and 2' of 100-grain prima cord for detonator. WIH and positioned cavity shot at 1520' - 1530' (5' RKB). Fired shot - had water spew from open csg valve but not any line reaction. Pulled on WL - stuck. Work WL to try to free- failed w/ 1750# over pull. POH and left +/- 745' of 7/32" electric line in hole. RD Key WL and will assess remedial options. NOTE: Moved wellhead packoff assembly from Ramsay A #22 to this well to close in.					
10/11/01					
Well on "firm" vacuum. Equalize < 5 sec.					
10/15/01					
MIRU PU - Key Energy #99. Install BOP. Key Fishing Tools on location. RU tbg tools. Shut down at 1:00 PM due to high winds.					

OCT 2001
RECEIVED
Hobbs
020

10/16/01

Resume operations. PU and WIH with WL spear with 4 11/16" NO-GO, bumper sub and 2' handling sub on 2 3/8" work string. Tagged up at 1305' (5'RKB). Rotate spear and pick-up. Appeared to have fish. POH with +/- 750' tbg and wireline stretched out – pull 11000# over weight and pulled free. Finish POH tbg, clamped off wireline, cut below spear and LD tools. Hand-pulled remaining WL from well – recovered est 700' – 750', appears to be all of lost WL. Made trip with WL spear to 1492' and encountered no more WL. LD fishing tools. WIH with OE tbg and tagged at 1525' SLM. Tbg hung slightly when pulled off btm. POH and LD work string. RU 2 jts 2 3/8" tbg on sandline and WIH, measured with depthometer. Tag with sandline at 1525'. Benterra poured 2 – 5 gals container of ZONITE. Wait to fall and WIH with sandline – tagged and found 12' of fillup at 1513'. Amount of fillup indicated cavity may not be present (nitro shot was placed from 1520' – 1530' WLM). Poured 2 more 5 gal containers of ZONITE. Tagged with sandline at 1503' = 10' add'l fillup. Suspend operations for evaluation. RD sandline, remove BOP, RD & RPU.

10/26/01

Well on slight vacuum.

10/29/01

Notified E.L. Gonzalez with NMOCD that we were going to clean out "cavity shot" and wanted permission to change P&A procedure to allow squeeze cmtg cavity shot and also Shoe/FW plug to be cement. He gave verbal approval to cement.

10/30/01

MIRU Key Unit #99. SIP = static. Install BOP. PU 2 3/8" work string and GIH with 4 3/4" bit. Tag at +/- 1524' (5' RKB). Did not tag ZONITE as expected. RU Key PT & Vac truck. Circ/rotate and work through 1 1/2' section and fell free. Pull through 1524', 8000# drag. WIH and pull through section several times. Sometimes had tag and sometimes did not. Circ hole clean at 1530'. Lowered tubing and tag btm at 1532' – felt soft. POH with 1 jt and SDON.

10/31/01

After cleaning out cavity shot with minimal trouble, elected to try redesigned cavity shot across same interval. Called E.L. Gonzalez and he verbally approved return to previous ZONITE procedures. PU jt and tag at +/- 1524', slightly rotate with 24" wrench and fell past. Cont'd in hole and tag at 1532', soft btm. Pull through 1524', no drag. Work past several times with only minor tag on occasion. POH with tbg. Wait on Key WL. Held safety meeting. RU Key WL and prep cavity shot. Placed 24 – 2" x 4 1/2" long cast boosters with prima-cord threaded through all boosters. Insert booster string into 3" stove pipe, hang stove pipe on 40' of nylon cord and attach cord to 5/16" electrical wireline. Ran conductor wire taped to cord and install cap into prima-cord. WIH with cavity shot, zeroed to 10' RKB. WIH to shot point 1520' – 1530', did not tag btm. Fired shot, had strong blow from 5 1/2" csg blowdown line – no water to surface. Pull on WL – struck. Work line to max 2500#, came free. POH and found line parted leaving 650' – 675' of 5/16" electrical WL in hole. SD operations and will schedule fishing tool services. RU Key PT. Loaded csg with 16 bbl FW. Pump add'l 4 BW and press to 500 psi. Slow bleed off. Re-press to 500 psi, bled to 100 psi in 4 – 5 min. No sign of communication to 8 5/8" x 5 1/2" annulus. Rel remaining press and RD Key PT.

11/1/01

Resume operations. Bleed off press – probably residual from loading well on 10/31/01, <25 psi. WIH w/ wireline grab w/ 4 3/4" NO-GO on 2 3/8" tbg. Tag @ 800. Rotate & worked tbg & cont'd in hole, stopped @ 819'. Had to pull 20-25 M# over string wt to free. POH to check tools. Found grab had caught WL. RU to POH w WL. Recovered all of wireline & 30' of Nylon rope. Also rec "pack-off rag" from top of stove pipe. WIH w 4 3/4" bit on 2 3/8" tbg, tag @ 1524 w/ 5' RKB correction. Rotate tbg by hand & cont'd in hole to 1538.56'. Pull up, tbg handing & pulled 15 M# over to free. Work pipe up & down – final btm @ 1537.11'. POH & LD bit. WIH w/ OE tbg to 1537'. RU Key PT & Vac truck. Reverse circ hole w/ 120 bbl freshwater, 4 BPM @ 400 psi. Took 15 bbl to load & recovered 86 BW, net loss of +/- 23 BW while circ. POH w 1 jt tbg & SWI. SDON. Prep to run down hole video to evaluate cavity shot.

11-2-01

SIP = slight vac. Held safety mtg & RU DHV International. RU Key PT & VT. Key pumped 20 bbl freshwater to clear tbg. Hole loaded @ 20 bbl. WIH w/ camera while pumping ½ BPM. Viewed & recorded condition of 5 ½" Csg opposite previous two cavity shots from 1520 – 1530'. Viewed pieces of junk and/or scale on btm @ +/- 1536'. Found split csg coupling @ 1529' w/exposed formation or cmt 1528 – 1529'. Viewed total footage 1512 – 1536'. Except at 1528 – 1529', csg was "intact" but split in several intervals between 1517 – 1536'. Most severe damage @ 1523' & 1525'. At 1523', cement appeared to be outside pipe. Above 1517', csg appeared to be ok. RD DHV & Key trucks. POH & LD 1 jt tbg. SWI & SD over weekend while evaluating.

Note: After hole loaded, pumped add'l 22 BW @ ½ BPM & appeared to have full returns.

Called NMOCD – Gary Wink unavailable & calls being taken by Billy Pritchard. Discussed our evaluation of cavity shot (failure to remove csg probably due to cement or compacted formation outside csg) and he approved proceeding w/ P&A by placing ZONITE across cavity shot & extend to at least 50' above top split @ 1517'. He also mentioned that in their internal discussions, some questions about damage to the surface pipe cement when a cavity shot is fired @ a shoe were being asked. He didn't say they didn't want to do it but just wanted to make Benterra aware of the concern. Committed only to setting the plug @ Rustler – T/Salt cavity shot, monitor for a period & then call OCD before moving to surface pipe shoe plug.

11-6-01

MIRU Benterra. SIP = static. Remove WH. Made trip with SB and tag at 1523'. Poured 8 gal ZONITE, wait and tag at 1518'. Poured 8 gal ZONITE, wait and tag at 1513'. Install WH and RD Benterra.
NOTE: Evaluating cavity shot interval by tracking volumetrics against fillup inside 5 ½" csg. Appears that some ZONITE is going outside csg.

11-15-01

MIRU Benterra Unit #4. SIP = slight blow. Remove WH and tag plug at 1520' = 7' below last depth. Poured 3 ½" cu ft ZONITE, wait and tag at 1494'. Installed WH and RD Benterra.

11-20-01

MIRU Benterra Unit #4. SIP = static. Made trip w/ SB & tag @ 1505' = 11' below prior tag. FL @ 900'. Poured 12 cu ft ZONITE, wait & tag @ 1414'. Rustler plug set 1414' – 1523' w/ total of 18 cu ft ZONITE as of 10:00 am 11-20-01. Push 5 ½" wiper rubber to 440'. Poured 2 cu ft ZONITE to cap plug, wait & tag @ 425'. Cavity shot plug now in place. Gravity fed 15 bbl freshwater into wellbore. RD Benterra.

12-10-01

SIP = static. Fluid not visible, did not tag.

12-20-01

RU Benterra #4. SIP = slight vac. Made trip w/ SB & tag @ 430'. No fluid in hole. Fill w/ 11 BFW, no bubbling. SWI & RD.

12-26-01

RU Benterra #4. SIP = static. Removed WH, made trip w/ SB & tag @ 426'. OK. Install WH & RD.

1/7/02

MIRU Key WL and mast. SIP = static on 5 1/2", slight blow on 8 5/8" x 5 1/2" annulus. Prep cavity shot charge = 30 – 2 1/4" OD x 4 1/2" length cast boosters strung on prima-cord and attached to 5/16" WL via 28' of nylon rope and conductor wire. RU Key pump and vac trucks. Loaded 5 1/2" csg with +/- 11 bbl FW. RU Pack off and WIH with cavity shot, tag btm at 450' and place charge at 390' – 401' (10' RKB). Vac truck connected to 5 1/2" csg, 8 5/8" x 5 1/2" open. Fired shot – WH appeared to jump slightly, strong blow out 8 5/8" x 5 1/2". No flow from 5 1/2" csg. After slight delay, had brown water flowing from 8 5/8" x 5 1/2" and slight flow out ground about 4' west of WH. Closed 8 5/8" x 5 1/2" and put vac hose in cellar – it appeared that flow came out of ground at WH when 8 5/8" x 5 1/2" was closed. Open annulus and water flow ceased shortly thereafter. RU Key pump truck and circ down 5 1/2" csg and out 8 5/8" x 5 1/2" annulus. Pumped total of 60 bbl freshwater, rec brown water, then gray cmt looking water and then cleaned up after +/- 30 bbls. Had seepage from ground at 4' west of WH while circ. Pinching 8 5/8" x 5 1/2" valve caused flow from ground to increase proportionately. Closed well in and RD Key trucks. Installed WH and closed well in, evaluating as to next procedure.

1/9/02

SIP = static.

1/17/02

SIP = static. Obtain digging permit from Chevron Texaco. Key backhoe dug around wellhead to +/- 6 ft below GL. No holes visible. RU Benterra Unit #4. Gravity water into 5 1/2" csg, hole loaded and then leak was exposed in 8 5/8" csg at +/- 4' below 8 5/8" csghead. From North reference, +/- 1 1/4" corrosion hole was located at 200 – 220 degrees and small pinhole was at +/- 100 degrees on east side of well. Discussed finding with Gary Wink with NMOC and he approved placing ZONITE into cavity shot. Backhoe closed cellar. RU Benterra and made trip with 2 1/4" OD aluminum tbg to btm at 401' (10' RKB). Poured 5 gal ZONITE, tag at 401'. Poured 5 gal ZONITE, tag at 397'. Poured 5 gal ZONITE, tag at 391'. Poured 5 gal ZONITE, tag 384'. RU Key vac and pump trucks. Circ via 5 1/2" csg and out 8 5/8" x 5 1/2" annulus with 30 bbl FW, 2 1/2 BPM at 0 psi. Made trip with 2" SB and tag at 398'. Poured 5 gal ZONITE, tag at 393'. SWI and SDON.

NOTE: Cavity plug at 450', cavity sot 390' – 401'. If rathole were open, would require +/- 50 gal to fill.

1/18/02

(Cavity Shot 390' – 401') MIRU Benterra Unit #4. Made trip with SB and tag at 391' previous tag at 393'. Poured 5 gal ZONITE, wait and tag at 386' = 5' fillup. Poured 5 gal ZONITE, tag at 381' = 5' fillup. RU Pool pump truck and Key vac truck. Circ via 5 1/2" csg and out 8 5/8" annulus wit 25 bbls freshwater at 3 BPM and 0 psi. Made tip with SB and tag at 390' = 9' drop. Poured 5 gal ZONITE, tag at 386' = 5' fillup. Poured 5 gal ZONITE. RU Pool/Key and circ 25 BFW @ 2 1/2 BPM and o psi. Made trip with SB and tag at 378' = 8' fillup on last pour. Poured 10 gal ZONITE, tag at 370' = 8' fillup. RU Pool/Key and circ 25 BFW at 4 BPM and 500 psi at start, slowed to 2 1/2" BPM at 300 psi. RD trucks. Made trip with SB and tag at 374' = 4' drop. Install WH, SWI and RD Benterra.

Summary: Poured total of 55 gals of ZONITE (7.3 cu ft) over last 2 days. Based on tag at 401', should have filled to 348' estimate that 3.5 cu ft ZONITE may be outside pipe. Capacity of 8 5/8" x 5 1/2" annulus = .1926 cu ft/ft, therefore, may have +/- 18' of fillup in annulus.

1/21/02

MIRU Benterra #4. SIP = static. FL @ 5' FS. Made trip w/ 2" SB & tag @ 374'. No movement of plug. Installed WH. SWI & RD.

1/28/02

MIRU Benterra #4. SIP = static on 5 1/2" csg & annulus. Made trip w/ SB & tag top of plug @ 375'. OK. FL @ surface. Install WH & again SWI. RD

2-4-02

SIP = static on prod & surf csg

2-6-02

MIRU Benterra #4. Made trip w/ SB & tag plug @ 370'. OK. Poured 7 cu ft ZONITE, wait & tag @ 316'. Poured 4 cu ft ZONITE, wait & tag @ 283'. Freshwater/8 5/8" shoe plug set @ 283' - 400' (117') w/ total of 18 cu ft ZONITE as of 10:25 am 2-6-02. Push 5 1/2" wiper rubber to 33' & filled 5 1/2" csg to surface w/ 4 1/2 cu ft ZONITE. Top plug in place as of 10:55 am 2-6-02 w/ total 4 1/2 cu ft ZONITE from 3' - 33'. RD Benterra. Left WH open to atmosphere for monitoring.

2-20-02

Check location; no problems

3-14-02

Check location; no problems

3-18-02

Check location; add 1 qt water, no bubbling. Surface pipe closed - opened & found to be static.

3-21-02

Rigged up Benterra truck to load annulus. Loaded with 4 bbls of fresh water. Water was surfacing from previously located casing hole.

4/18/02

Check location; no problems

9/24/02

Cut off casings and WH to 4' below GL. Packed 8 5/8" x 5 1/2" annulus with 6 cu ft ZONITE from cutoff point to 35' below GL. Welded cap onto casing and installed dry hole marker with well identification. Dug out and cut off guywire anchors to 4' below GL. Back filled all excavations. Turned over to ChevronTexaco for location cleanup and NMOCD inspection. Final Report.