

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No NMNM02862
2. Name of Operator BOPCO LP		6. If Indian, Allottee or Tribe Name
3a. Address MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No NMNM71016X
3b. Phone No (include area code) Ph: 432-683-2277		8. Well Name and No. POKER LAKE UNIT 342H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T24S R30E NWNW Lot D 1295FNL 115FWL		9. API Well No. 30-015-38666-00-X1
		10. Field and Pool, or Exploratory POKER LAKE
		11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☐ Acidize
☐ Subsequent Report	☒ Alter Casing
☐ Final Abandonment Notice	☐ Casing Repair
	☐ Change Plans
	☐ Convert to Injection
	☐ Deepen
	☐ Fracture Treat
	☐ New Construction
	☐ Plug and Abandon
	☐ Plug Back
	☐ Production (Start/Resume)
	☐ Reclamation
	☐ Recomplete
	☐ Temporarily Abandon
	☐ Water Disposal
	☐ Water Shut-Off
	☐ Well Integrity
	☐ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully requests the changes listed below to be approved for the above captioned well.

Based on abnormally deep sands with the potential for lost circulation as apparent on the attached mud log, BOPCO, L.P. requests deepening the surface casing set depth currently at 766' to 1,146', or wherever competent anhydrite is encountered. If salt is encountered we will cease drilling, pick up 25' and set casing. The PLU #301H (Section 27) showed inability to support a 10 ppg mud weight at depths as great as 908'. The attached mudlog is from the PLU #343H which is approximately 3,000 ft north of the PLU #342H.

Updated casing safety factors for 13-3/8", 54.5#, J-55 casing are as follows: BURST - 2.38; COLLAPSE - 2.1; TENSION - 15.8.

Also A change

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #117453 verified by the BLM Well Information System For BOPCO LP, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 09/14/2011 (11KMS2538SE)	
Name (Printed/Typed) STEPHEN M ORDOYNE	Title DRILLING ENGINEER
Signature (Electronic Submission)	Date 09/13/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER	Date 09/15/2011
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Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any statement or representation to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional data for EC transaction #117453 that would not fit on the form

32. Additional remarks, continued

Cementing: 950 sks Halliburton ExtendaCem - CZ (1.68 ft³/sk; 13.7 ppg).

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BOPCO, L. P.
LEASE NO.:	NMNM71016X
WELL NAME & NO.:	Poker Lake Unit 342H 30-015-38666
COUNTY:	Eddy County, New Mexico

Approval to change surface casing from 766' to 1,146'

Approval based on mud log from the PLU # 343H

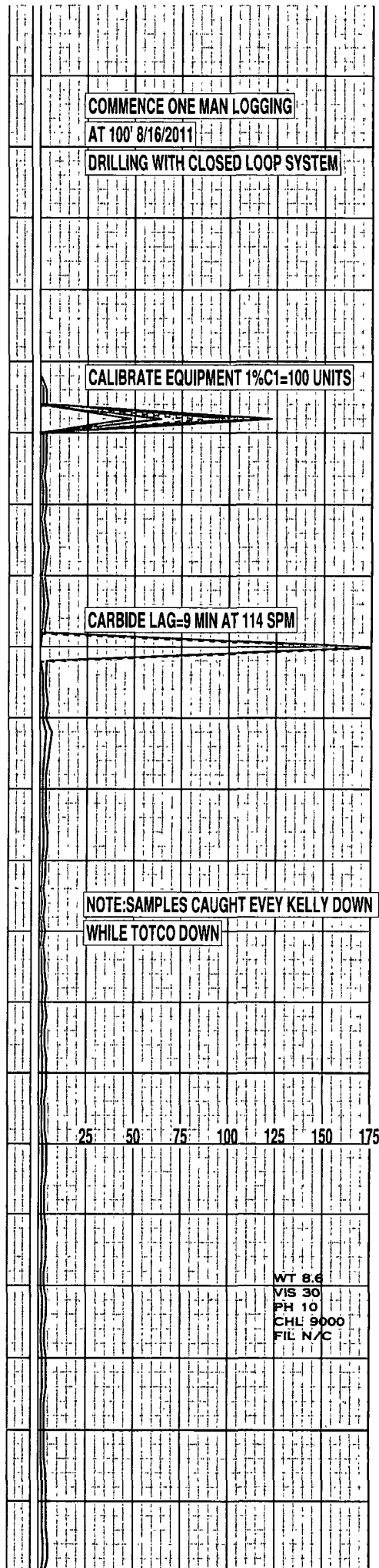
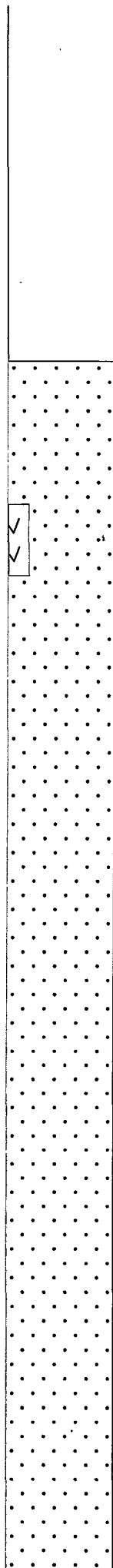
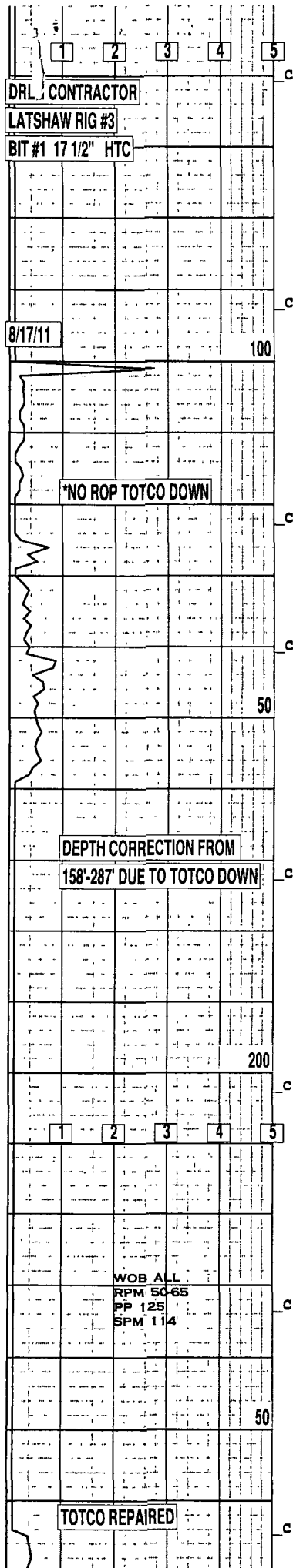
This Sundry Also approves the casing change

From 13-3/8" 48#, H-40 ST&C

To 13-3/8" 54.5#, J-55 ST&C

The 13-3/8 inch surface casing shall be set **at approximately 1,146' feet** (in a competent bed below the Magenta Dolomite, a Member of the Rustler, and if salt is encountered, set casing at least 25 feet above the salt) and cemented to the surface.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.



SS: clr, mlky, amber, sme
lt gry, med gr, sm crse
occ fn gr, uncons, rndd-
subrnd, sm suang

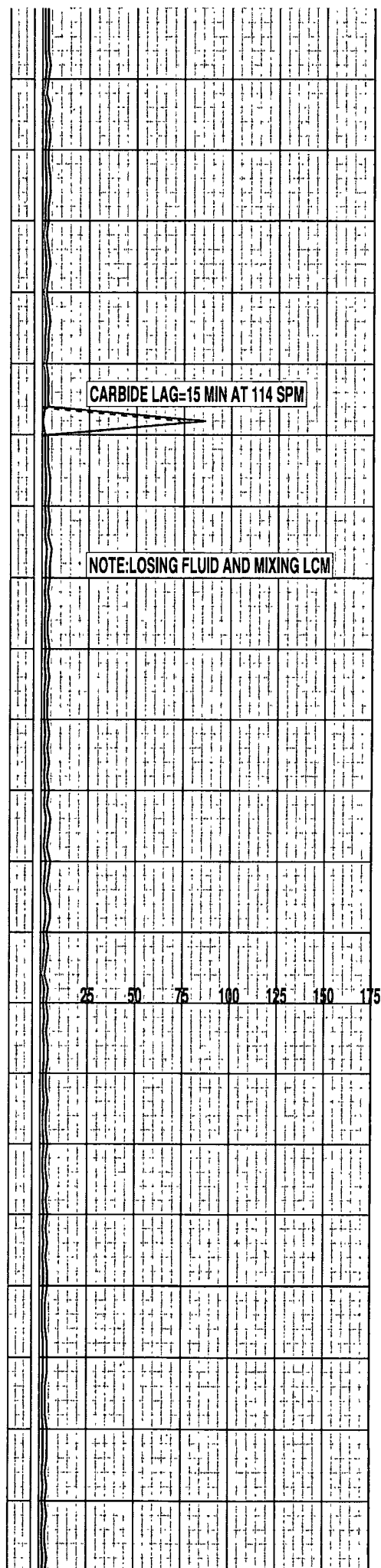
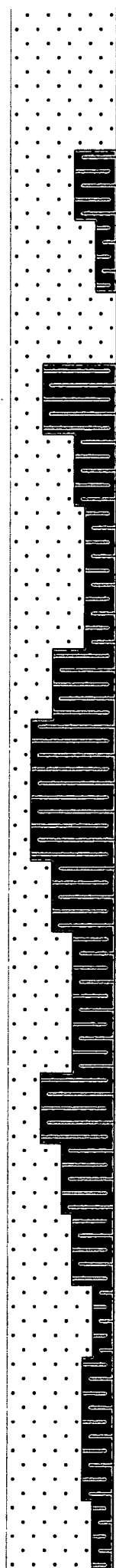
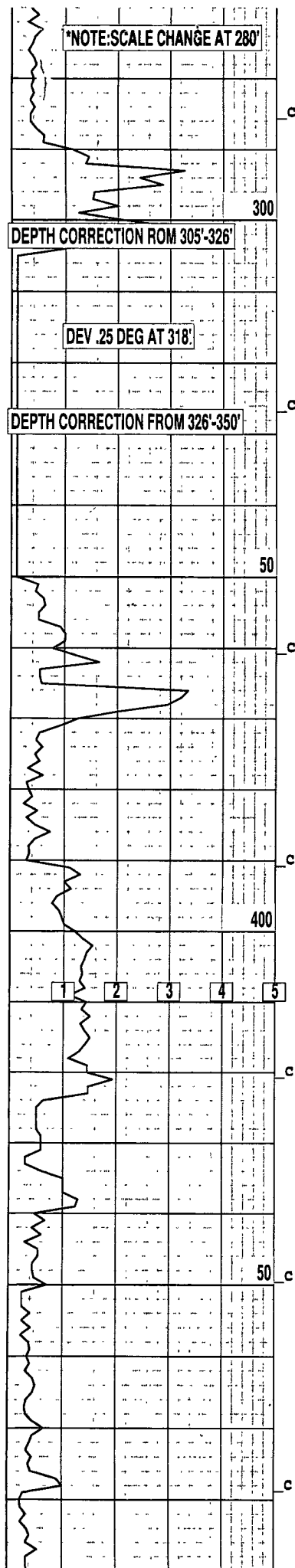
ANHY: wht, off wht, vfn
xln, mod hrd, hrd, sme
dns

SS: clr, mlky, amber, sme
lt gry, med-fn gr, sme
crse gr, uncons, rndd-
subrnd, sm subang

SS: mlky, clr, amber, sme
lt gry, med-fn gr, sm
crse gr, uncons, rndd-
subrnd, sm subang

SS: amber, clr, mlky, med-
fn gr, uncons, sm crse
gr, rndd-subrnd, sme
subang, cln

SS: amber, mlky, clr, med-
fn gr, sm vfn gr, uncons
rndd-subrnd, sm subang
sm vfn gr



SS:amber,mlky,clr,sme
lt gry,med-fn gr,uncons
rndd-subrndd,sm subang,
sm crse gr

SH:lt orange,orange,
blky,sft,gmmy

ss:amber,mlky,clr,sme
lt gry,med-fn gr,uncons
rndd-subrndd,sm subang
sm crse gr

SH:lt orange,orange/
pink,sft,gummy,sm
embedded sand,sm blky

SS:amber,mlky,sme lt
gry,med-fn gr,unconsl
rndd-subrndd,subang,
mod srted,sm crse gr

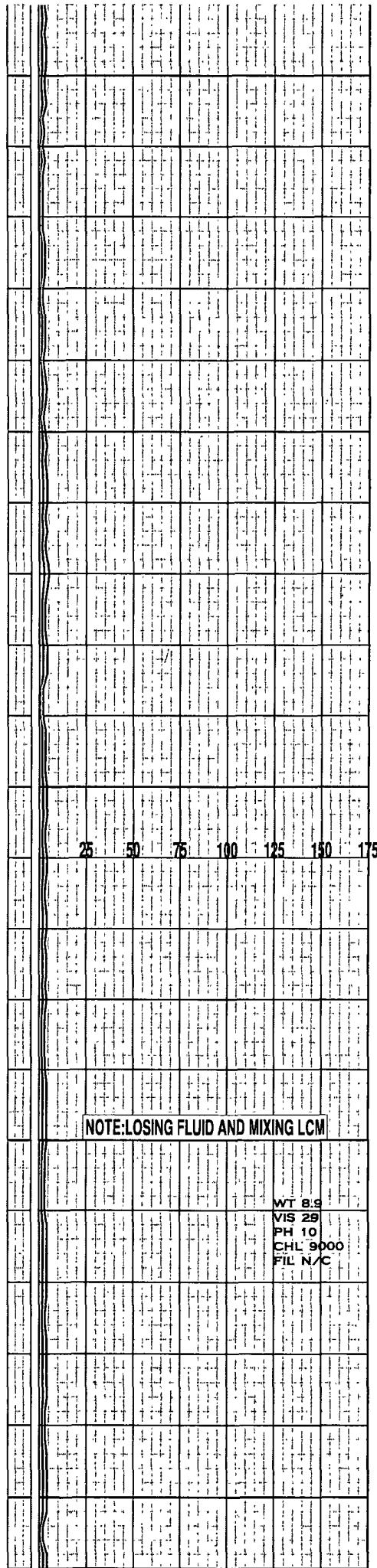
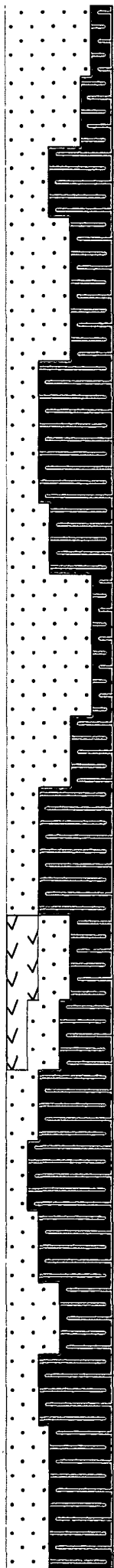
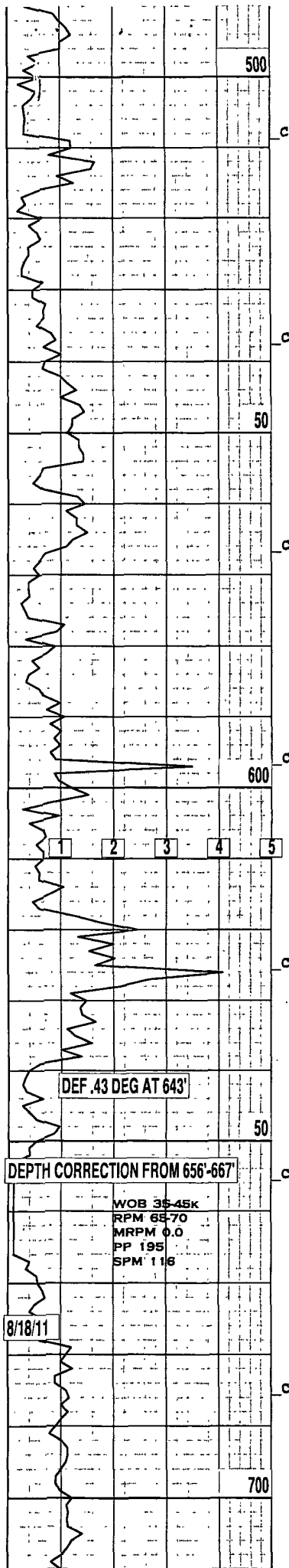
SH:lt orange,orange
sft,gummy,sm blky
sm embedded sands

SS:amber,orange,mlky
vfn-fn gr,unconsl
rndd-subrndd,subang
sm med gr,unconsl,well
srted

SH:lt ornage,orange
sft,gmmy,sm blky,fair
amnt embedded sand grs

SS:amber,mlky,cr1,sm
mlky,med-fn gr,unconsl
rndd-subrndd,sm subang
well srted,sm crse gr

SS:amber,orange,sm mlky
clr,vfn gr,lsly cosnl
shly,subrnd-rndd,sme
fn-med gr,unconsl,rndd-



subrnda

SH:lt orange,orange,
sm blk, sft, gummy,
fr amnt embedded
sandstone

SH:lt orange,orange,
blk, sft, gummy, fr amnt
embedded sand grs

SS:amber, ornage, mlky, sm
clr, vfn-med gr, lsly
consl-unconsl, subrnd-
rndd, subang, well srtd
sm vry shly

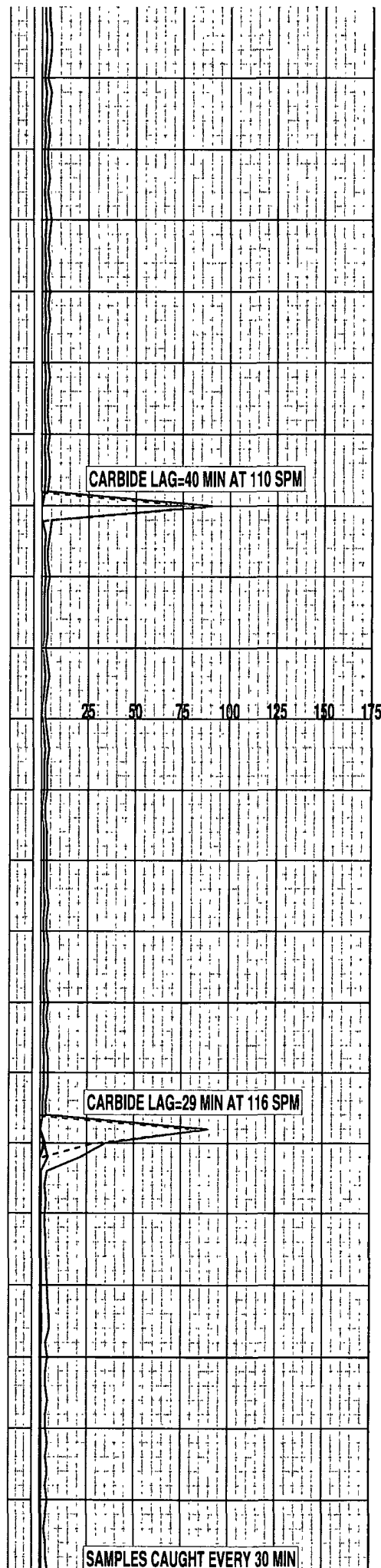
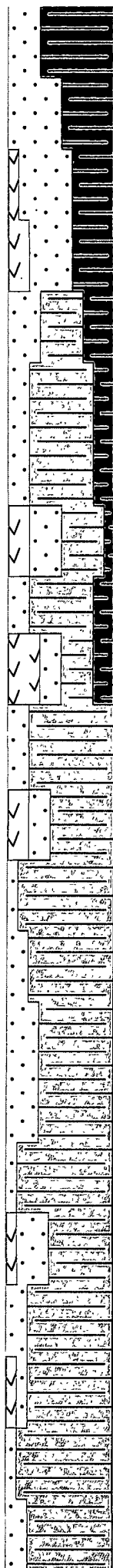
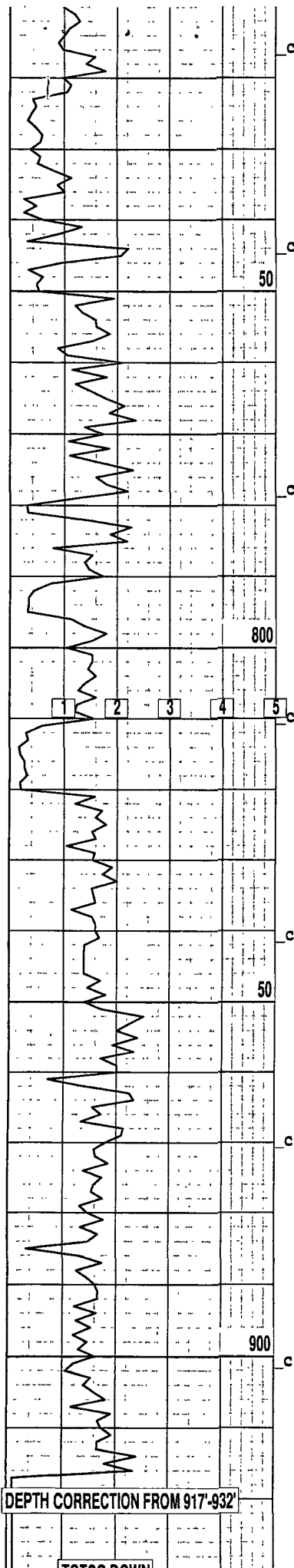
SH:orange, lt orange,
sft, gummy, vry sandy

ANHY:wht, bff, vfn xln
mod hrd, dns

SH:orang, lt orange, sme
red-orange, blk, sft
gummy, sm aren

SS:mlky, amber, orange,
fn-med gr, sm vfn gr
unconsl-lsly consl,
sm shly, subrnd-rndd
subang, mod srtd

SH:orange, lt orange, sm
red-orange, blk-subblk
sft, sm gummy, sm aren in
prt



SS:mlky,amber,lt gry
crse-med gr,unconsl
subrnd-rndd,sm subag
mod srted

SH:lt gry,gry,sft,gmmy
clay,sm lt gry,clr,vfn
gr embedded sands

SH:lt orange,orange,
blky-subblky,sft,sme
gmmy,sme aren in prt

CARBIDE LAG=40 MIN AT 110 SPM

ANHY:wht,bff,vfn xln
mod hrd,hrd,dns

SH:gry,lt gry,sft,gmmy
clay,sm aren,sm ornge-
lt orange,blky,sft,frm

25 50 75 100 125 150 175

ANHY:wht,off wht,vfn
xln,mod hrd,hrd,dns

SH:lt gry,vry lt gry
sft,gmmy,clay,sm aren
in prt

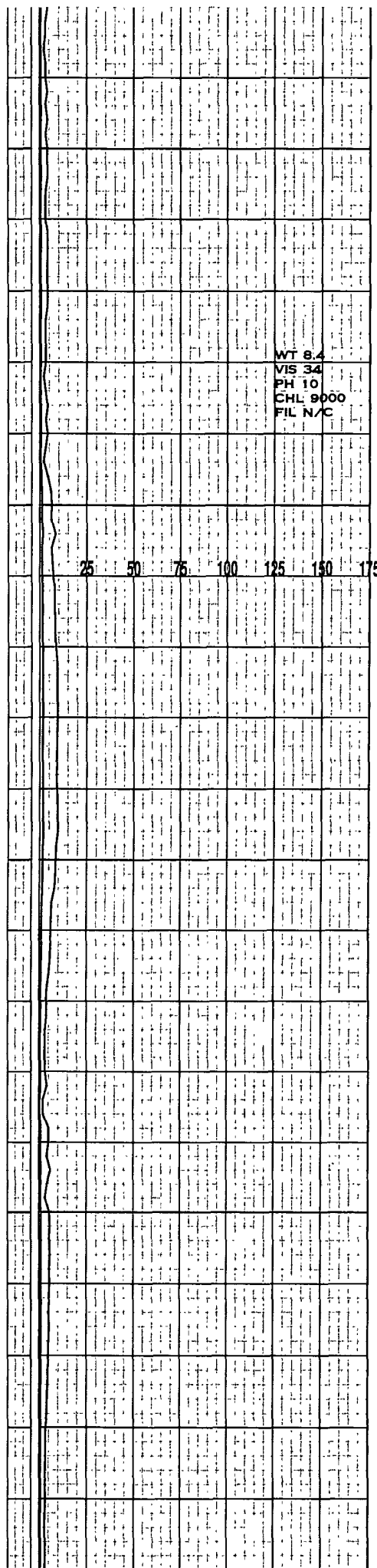
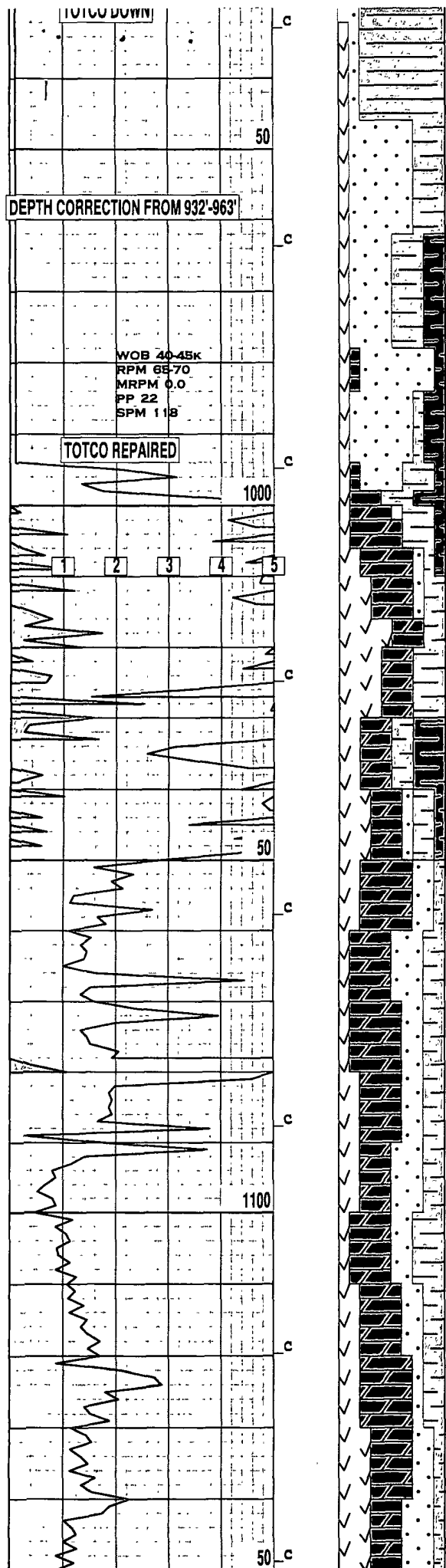
SS:lt gry,mlky,amber
vfn gr,consl,fria,arg
subrnd-subang,sm med-
crse gr,unconsl,rndd

CARBIDE LAG=29 MIN AT 116 SPM

SH:gry,ltgry,sm vry
lt gry,sft,gmmy,clay
sm embedded sandstone

SH:lt gry,gry,vry lt
gry,sft,gmmy,sm aren
in prt

SAMPLES CAUGHT EVERY 30 MIN



ANHY: wht, off wht, lt gry
vfn xln, mod hrd, dns

SS: amber, clr, lt gry, fn-
med gr, sm vfn gr, unconsl
-lsly consl, arg, rndd-
subrndd, well srted

DOLO: lt brn, tn, vfn xln
dns, sft, cln, velvety in
text

SS: amber, lt gry, mlky
vfn gr, consl, fria
arg, sm unconsl, subrndd-
rndd, well srted

DOLO: lt brn, tn, vfn xln
frm, sft, sm dns, velvety
in prt

ANHY: wht, off wht, lt gry
vfn xln, mod hrd, hrd,
dns, sm dolo inclus

DOLO: lt brn, tn, buff, off
wht, vfn-micro xln, sme
dns, mod hrd-frm

SH: lt rd, orng, lt brn, lt
gry, gry, blk, sft-frm
wxy/gmy txtr, sme slty
rthy

SS: lt gry, gry, lt tn, clr
vfn gr, sb/ang, sb/rnd
cons, w/calc cmnt, sme
cly, sme v/slty

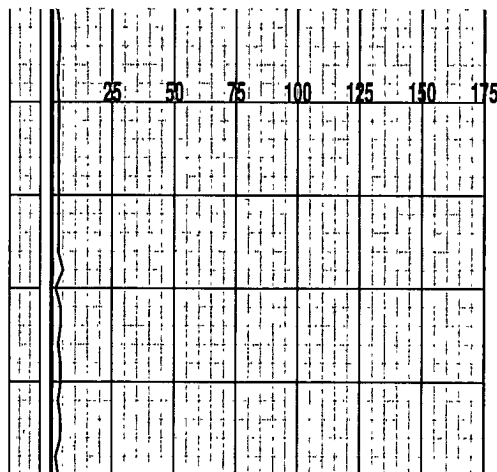
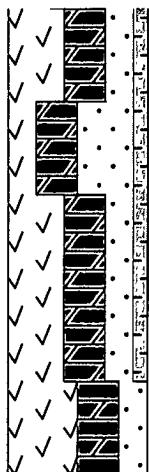
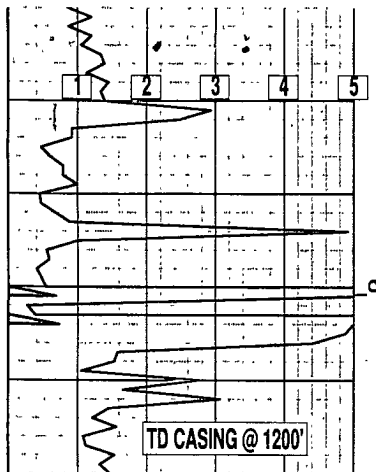
DOLO: lt gry, lt brn, off
wht, vfn-micro xln, sme
dns, mod hrd-v/frm, sme
mott

ANHY: off wht, lt tn, crm
trans, vfn-micro xln
sme dns, mod hrd-frm

SS: lt gry, gry, lt tn, clr
vfn gr, s/rnd, s/ang
lsly cons, sme fria, sme
v/slty

ANHY: off wht, lt tn, crm
wht, vfn-micro xln, sme
dns, mod hrd-frm

DOLO: lt gry, lt brn, off



wht,vfn-micro xln,sme
dns,mod hrd-v/fm,sme
mott

SS:lt gry,gry,tn,clr
vfn gr,s/rnd,s/ang
lsly cons,calc cmnt
sme cly,well srted
sme fria

ANHY:off wht,transl,lt
gry,lt tn,vfn-micro
xln,sme dns,hrd-v/fm
sme chlky