DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
12-22-08	1/6/09	W Jones	12-22-08	SWD	pKAAUNK0835751887

15
37

ABOVE THIS LINE FOR DIVISION USE ONLY

1159

RECEIVED
2008 DEC 22 PM 12 50

API 30-015-31293
Geronimo 34 State #001 4
Geronimo LLC

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Billy E. Prichard	Billy E. Prichard	Agent for Geronimo SWD,L.L.C	12/18/08
Print or Type Name	Signature	Title	Date

billy@pwllc.net
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___X___Disposal _____Storage
Application qualifies for administrative approval? ___X___Yes _____No

II. OPERATOR: **Geronimo SWD, LLC**

ADDRESS: **P.O. Box 568** **Artesia, New Mexico 88210**

CONTACT PARTY: **Blaise Campanella** PHONE: **575-748-5488**

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes ___X___No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: **Billy E. Prichard** TITLE: **Agent for Geronimo SWD,LLC**

SIGNATURE: Billy E. Prichard DATE: 12/18/08

E-MAIL ADDRESS: **billy@pwllc.net**

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Geronimo SWD,L.L.C

C108(Application for Authorization to Inject)
Geronimo 34 State Com # 001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34, T17S, R28E
Eddy County, NM

I.

The purpose of this application is for the administrative approval of the conversion of the Geronimo 34 State Com #001Y from a shut-in Travis; Upper Penn., North oil well to Wolfcamp; Cisco commercial salt water disposal well

II.

Geronimo SWD, LLC
PO Box 568
Artesia, New Mexico 88211
Blaise Campanella
575-748-5488

III.

Well Data
See Exhibit A

IV.

This is not an expansion of an existing project

V.

Map of Area of Review
See Exhibit B

VI.

68 wells were identified within the 0.5 mile area of review. 2 of those identified wells penetrated the disposal zone. 248 wells were identified in the 1.0 mile area of review.
See Exhibit B

VII.

The anticipaed daily disposal rate is 3000 BWPD with a maximum daily disposal rate of 6000 BWPD.
This will be an open system.
The anticipated average disposal pressure is expected to be 0 psig with a maximum disposal pressure 1540 psig. 0.2psi/ft x 7700feet= 1540psig.
The disposal fluid will be produced water trucked in from numerous producing formations in SE New Mexico.
See Exhibit C

Geronimo SWD, L.L.C.

C108(Application for Authorization to Inject)
Geronimo 34 State Com # 001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34, T17S, R28E
Eddy County, NM

VIII.

Geological Data

The Wolfcamp; Cisco (Canyon) is predominately limestone with some streaks of dolomite.

Below the Cisco is the Strawn formation

Above the Wolfcamp is the Abo formation

IX.

No stimulation is planned unless pressure and rates dictate

X.

Completion data filed by previous operator
Copy of cement bond log with top of cement identified.
Copy of drilling report showing the depth of DV Tool
Please see Exhibit D
Geronimo SWD proposes to set cast iron bridge plug at 9150ft at the top of the Strawn and cap with 35feet of cement.

XI.

No active fresh water well were identified within the 1.0 mile Area of Review. Fresh water analysis from wells in the area are included.
Exhibit E

XII.

Available geological data has been examined and shows no evidence of open faults or any hydrological connection between the disposal zone and any underground source of drinking water.

XIII.

Proof of Notify and Proof of Publication
Exhibit F

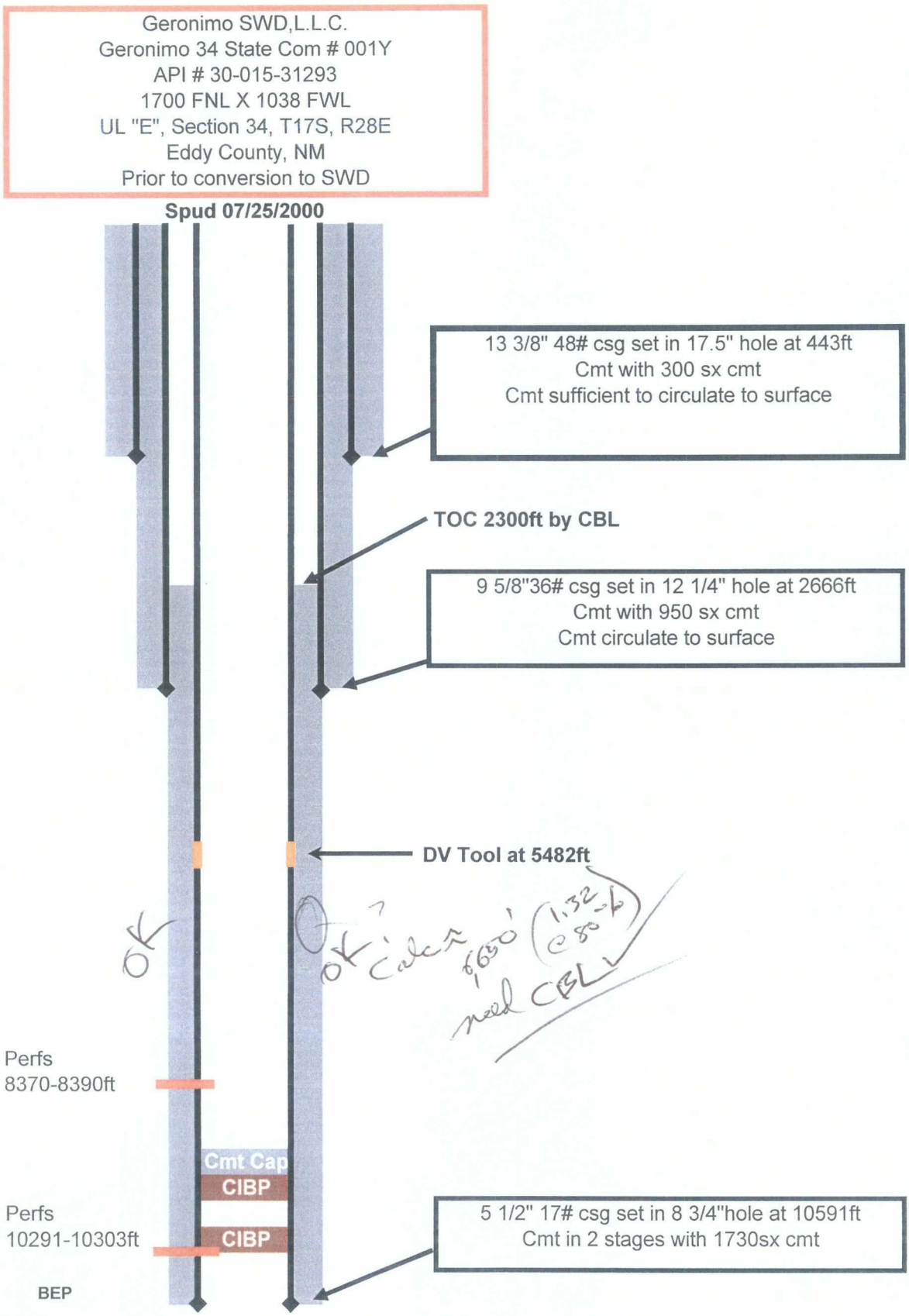

Geronimo SWD,L.L.C.
Geronimo 34 State Com # 001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34, T17S, R28E
Eddy County, NM
Prior to conversion to SWD
Spud 07/25/2000
13 3/8" 48# csg set in 17.5" hole at 443ft
Cmt with 300 sx cmt
Cmt sufficient to circulate to surface
TOC 2300ft by CBL
9 5/8"36# csg set in 12 1/4" hole at 2666ft
Cmt with 950 sx cmt
Cmt circulate to surface
DV Tool at 5482ft
Perfs
8370-8390ft
Cmt Cap
CIBP
Perfs
10291-10303ft
CIBP
5 1/2" 17# csg set in 8 3/4"hole at 10591ft
Cmt in 2 stages with 1730sx cmt
BEP

Exhibit A

Geronimo SWD,L.L.C.
Geronimo 34 State Com # 001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34, T17S, R28E
Eddy County, NM
After conversion to SWD

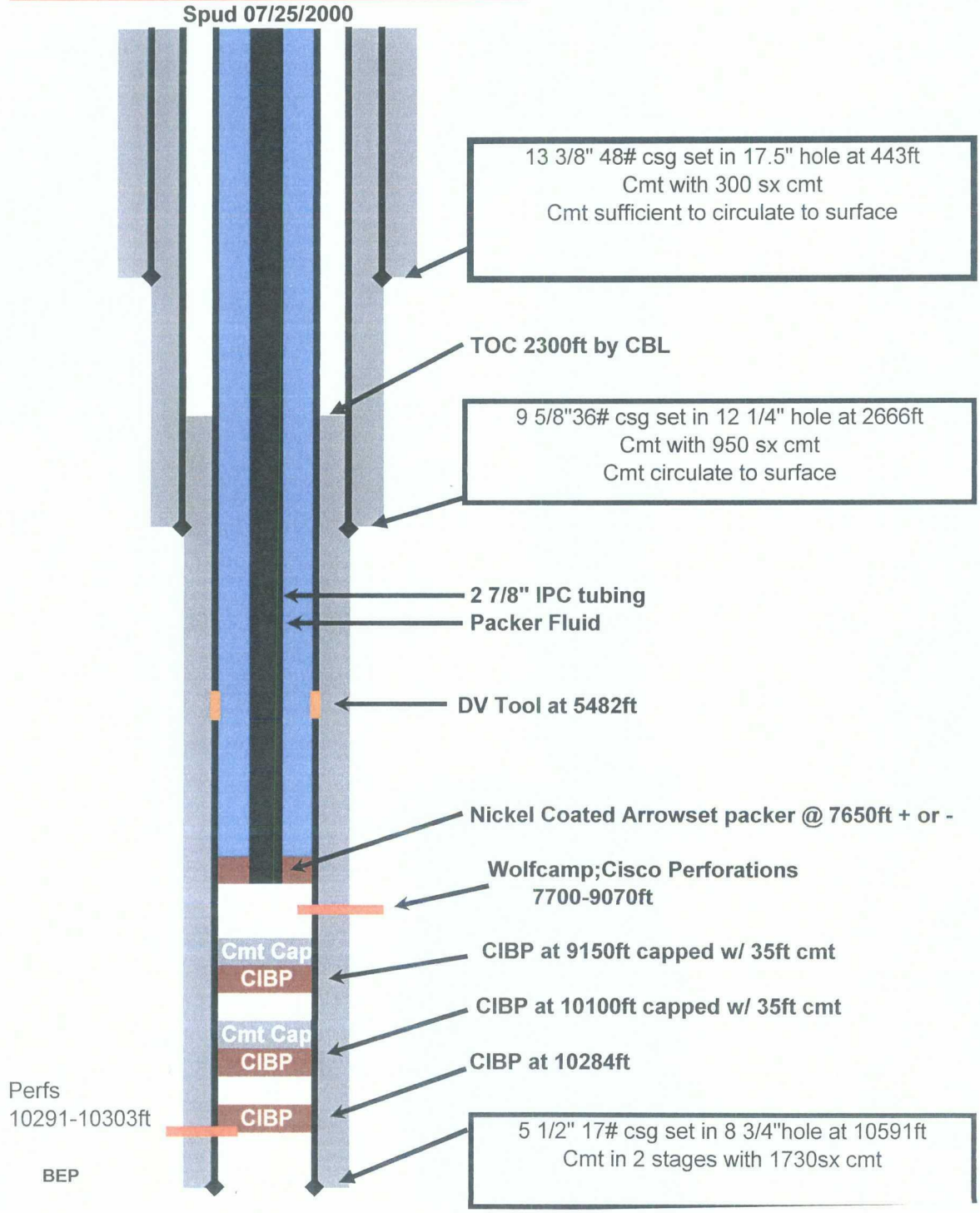


Exhibit A

Geronimo SWD, L.L.C
C108(Application for Authorization to Inject)
Geronimo 34 State Com # 001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34, T17S, R28E
Eddy County, NM

Well Data

Spud 7/25/2000 as Penn Test
13 3/8" 48# casing set in 17 ½" hole at 443 feet.
Cemented with 100 sacks Premium Plus w/ 10 lb/sx Cal Seal
Followed by 200 sacks Premium Plus
No NMOCD record of cement circulation to surface
Cement volumes using 70% fill sufficient to circulate to surface.

9 5/8" 36# casing set in 12 ¼" hole at 2666 feet.
Cemented with 750 sacks Class "C" followed by 200 sacks of Premium Plus
Cement circulated to surface.

5 ½" 17# casing set in 8 ¾ " hole at 10591 feet.
DV Tool at 5482ft
Cemented in 2 stages as follows;
1st Stage – 300 sacks of Interfill "H' followed by 650 sacks of Super "H"
2nd Stage – 780 sacks of 50/50 Poz
Top of cement at 2300ft by Cement Bond Log
Empire; Penn (Gas) Perforations 10291-10303ft
Cast iron bridge plug set at 10284 feet
Cast iron bridge plug set at 10100 feet capped with 35 feet of cement
Travis; Upper Penn.,North Perforations 8370-8390 feet

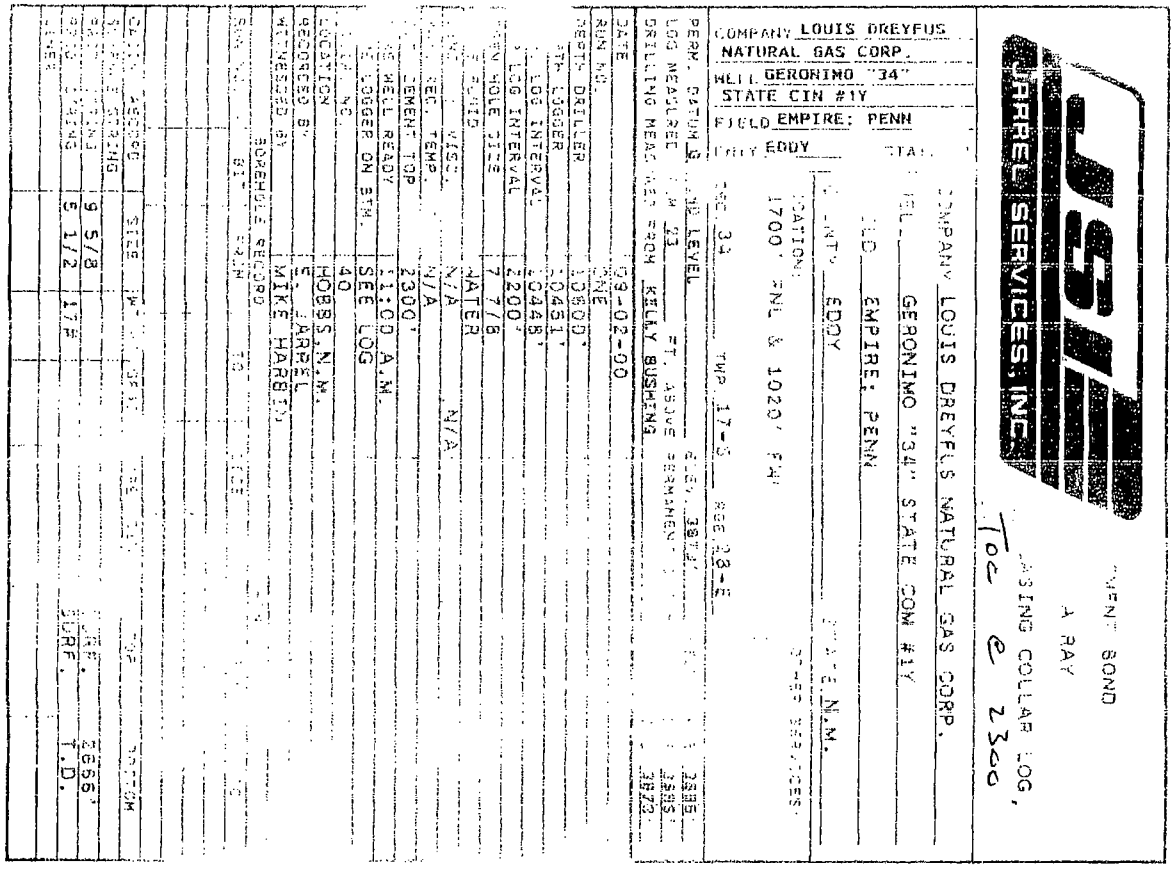
Production Summary of api:3001531293 pool:EMPIRE; PENN (GAS)

producing year	Oil	Gas	Water	Co2
2000	3947	389669	90	0
2001	3057	328235	2907	0
2002	319	1428	565	0
summary	7323	719332	3562	0

Production Summary of api:3001531293 pool:TRAVIS; UPPER PENN., NORTH

producing year	Oil	Gas	Water	Co2
2002	457	4228	2027	0
2003	456	626	302	0
2004	53	469	859	0
2005	9	11	804	0
2006	0	60	866	0
2007	0	3	127	0
2008	0	0	0	0
summary	975	5397	4985	0

Exhibit A



ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFULL NEGLEGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES, OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS SET OUT IN OUR CURRENT PRICE SCHEDULE.

COMPANY LOUIS DREYFUS NATURAL GAS CORP

WELL GERONIMO "34" STATE COM #1Y

FIELD EMPIRE; PENN STATE N.M.

JSI JARREL SERVICES, INC.

Exhibit D

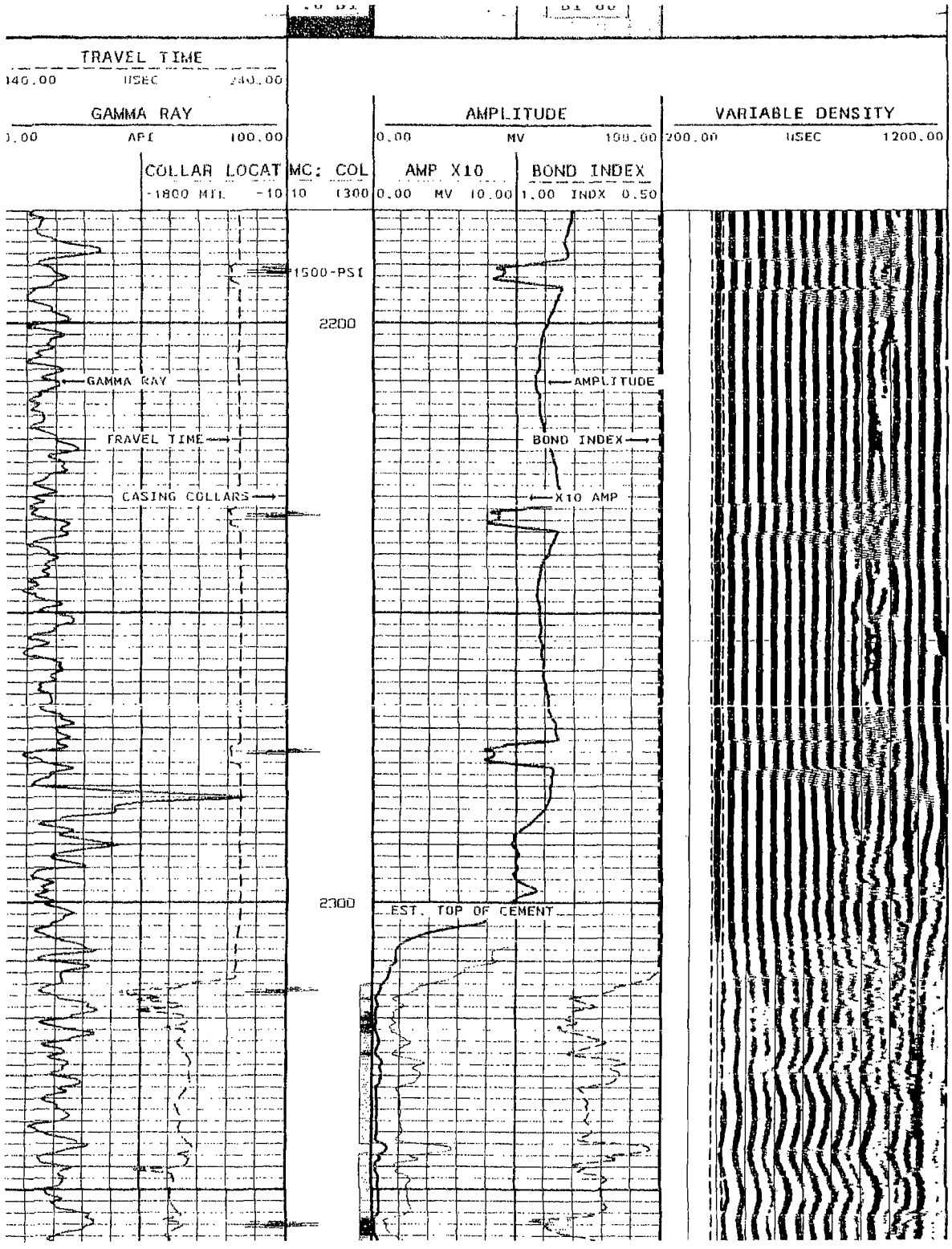

TRAVEL TIME
140.00 USEC 240.00
GAMMA RAY
0.00 API 100.00
AMPLITUDE
0.00 MV 100.00
VARIABLE DENSITY
200.00 USEC 1200.00
COLLAR LOCAT MC: COL
-1800 MIL -10 10 1300
AMP X10
0.00 MV 10.00
BOND INDEX
1.00 INDX 0.50
1500-PSI
2200
GAMMA RAY
AMPLITUDE
TRAVEL TIME
BOND INDEX
CASING COLLARS
X10 AMP
2300
EST. TOP OF CEMENT

Exhibit D

LOUIS DREYFUS NATURAL GAS CORP

DAILY DRILLING AND COMPLETION REPORT

Well:	GERONIMO "34" STATE COM # 1-Y						Date:	8/20/00	Days: 26
Depth:	10600	Prog:	0	OPR:	CLEAN PITS		Formation:		
DMC:$	1100	TMC:$	25838			TDC: $	$ 112,585	CWC:$	$ 469,874
Contractor:	PATTERSON RIG 75			Mud Co:	NOVA	TANGIBLE		INTANGIBLE	
MW:		Liner:	6	Bit #:		Conductor:	0	Dirt Work:	0
VIS:		Stroke:	9.25	S/N:		Surf. Csg:	0	Rig Move:	0
YP/PV:		SPM:		Size:		Int. Csg:	70902	Rig Cost:	6500
Gel:		Press:		MFG:		Prod Csg:		Cementing:	0
ph:		GPM		Type:		Float Equip:	4873	DST/Coring:	
WL:		NV:		Jets:		Well Head:	4049	Mud Logger:	0
Cake:		AV:		In:		TBG/Rods:		Fuel / Wtr:	0
Sand:		Dev:		Out:		Packers:		Bits / Corehead:	
Solids:				FTG:		Tanks:		Rental Tools:	650
Chls:				Hrs:		Separator:		"E" Log:	0
Pf/Mf:				FPH:		Heater:		Consultant	450
LCM:				T/B/G:		Pumping L/T:		Drilling Mud:	1100
Ca				WOB:		Prime Mover:		Misc. / Labor:	5205
Time Break Down:				RPM:		Misc:		Cement:	18856
START	END	TIME		BHA:		Daily Total:	$ 79,824	Daily Total:	$ 32,761
6:00	14:00	8:00	RUN 5 1/2" CASING, SHOE @10591',FLOAT COLLAR @ 10509'					Cum. Wtr:	4810
			DV TOOL @ 5482'.					Cum. Fuel	2329
14:00	16:00	2:00	CIRCULATE.					Cum. Bits:	23800
16:00	17:30	1:30	CEMENT 1st STAGE WITH HALLIBURTON.					Rot. Hrs:	409
17:30	11:30	6:00	DROP BOMB OPEN DV TOOL, CIRCULATE.						
11:30	1:00	1:30	CEMENT 2 nd STAGE WITH HALLIBURTON.						
1:00	6:00	5:00	NIPPLE DOWN , SET SLIPS, CUT OFF, NIPPLE UP TUBING HEAD, & TEST HEAD.						
			@ 5000 psi, JET & CLEAN PITS.033						
			******** FINAL WATER METER READING 422663 bbls ********						
								BKGR. GAS	
								CONN. GAS	
BHA =								TRIP GAS	

CMIC: J. W. Blackwood 8/20/00 GERONIMO 34 ST 1Y 8-20-00,DAY 26

Exhibit D

30-015-31263

Company: LOUIS DRYFUS NATURAL GAS

Well: GERONIMO "34" STSTE COM Y1

Location: Sec: 34 Twn: 17S Rge: 28E Blk:

Survey: 1650'FNL &660'FWL API:

County: EDDY State: New Mexico

Elevation: KB: 3691 GL: 3670

Contractor: PATTERSON RIG No.7 Spud Date:

Depth Logged: From: 3000' To: 10600

Date Logged: From: 7/31/00 To: 8/17/00

Logger: R.G.REED Unit: #9

MORCO GEOLOGICAL SERVICES

Carlsbad, New Mexico - (800) 748-2340

Shale		Limestone		Salt	
Siltstone		Dolomite		Igneous	
Sandstone		Anhydrite		Metamorphic	
Conglomerate		Chert		No Sample	

Total Gas Calibration:	100 Gas Units = 1% Methane Equivalent
Chromatograph Calibration:	1 Unit = 100 ppm of each component:
Total Gas Detector Type:	Catalytic Combustion Filament (Hot Wire)
Chromatograph Type:	Catalytic Combustion Filament (Hot Wire)
Extractor Evacuation Rate:	10 Standard Cubic Feet per Hour

DRILLING RATE (min/ft)

DEPTH (OFF BTM / OFF PMP)

POROSITY (GFT)

LITH

CUT (TFG)

FLUOR

STAIN

Total gas (Units)

1 C1 (Units) 1

2 C2 (Units) 2

3 C3 (Units) 3

4 C4 (Units) 4

5 C5 (Units) 5

DRLG CONTRACTOR

PATTERSON No.75

SURF CSG @ 444'

SET 9 5/8" CSG

AT 2700'

8/01/00

BIT #4 7 7/8"

60

80

CALIBRATE ALL EQUIPMENT

COMMENCE TWO MAN LOGGING

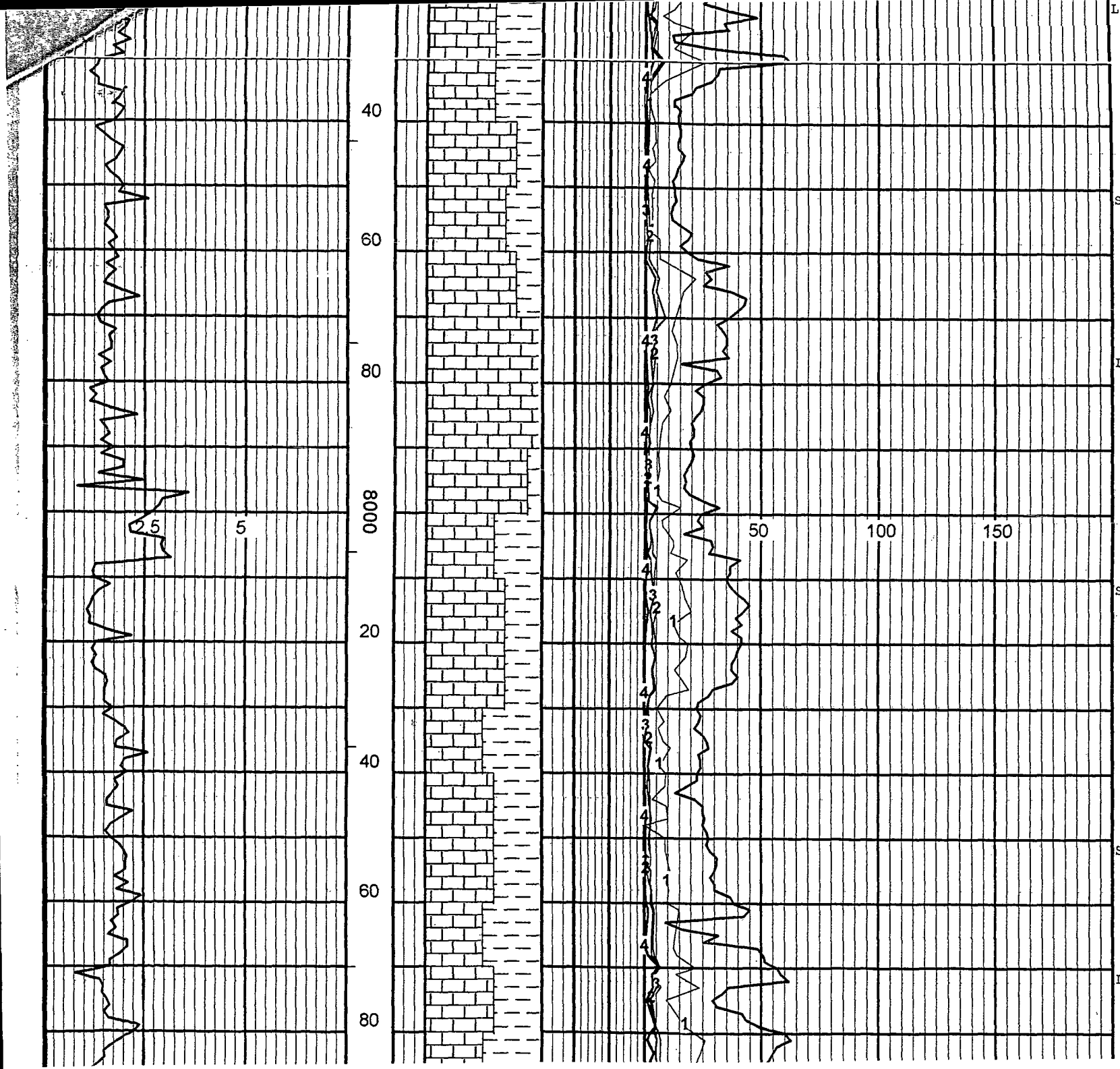
AT 3000' 7/31/00

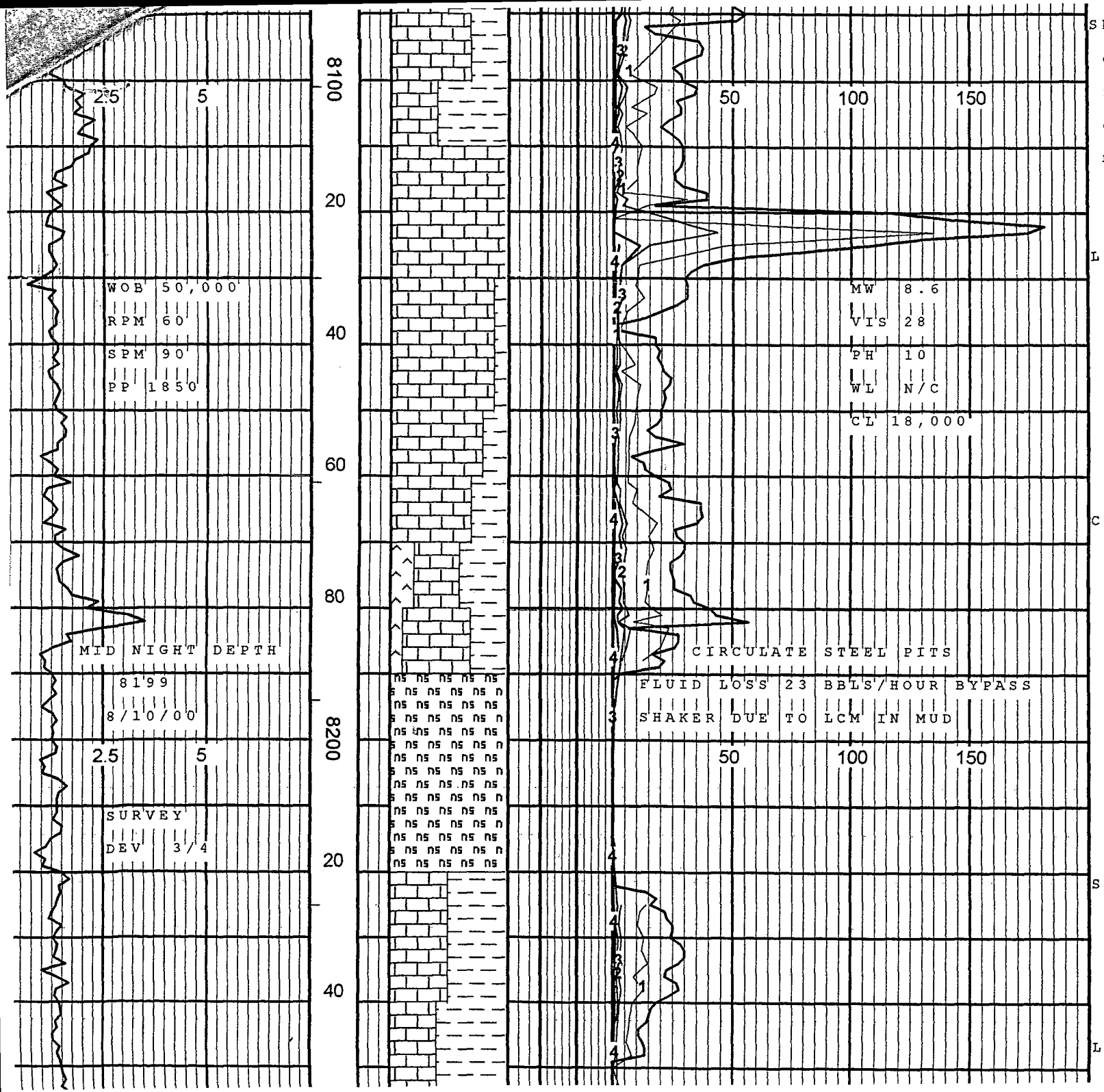
MW 8.4

VIS 28

PH 10.5

REMARKS


40
60
80
8000
20
40
60
80
2.5
5
50
100
150
LS:brn,lt brn,transl
vfn xln,mod hrd frm,
sme sft,less dns,more
dirty,tr foss,vf pyr
sme chlky
SH:brn,drk brn,gry,
blky,sme plty,mod hrd
sme hrd
LS:lt brn,tn,transl,
vfn xln,frm,mod hrd
sme sucro,tr calc
sme foss
SH:drk brn,blk,lt brn
blky,hrd,mod hrd,
erhty,fnly pyritic
tr chrt.
SH:drk brn,lt brn,gry
blky,mod hrd,sft,sme
mdst,erthy.
LS;crm,lt brn,off wht
fn xln,frm,mod hrd,
sme vug.



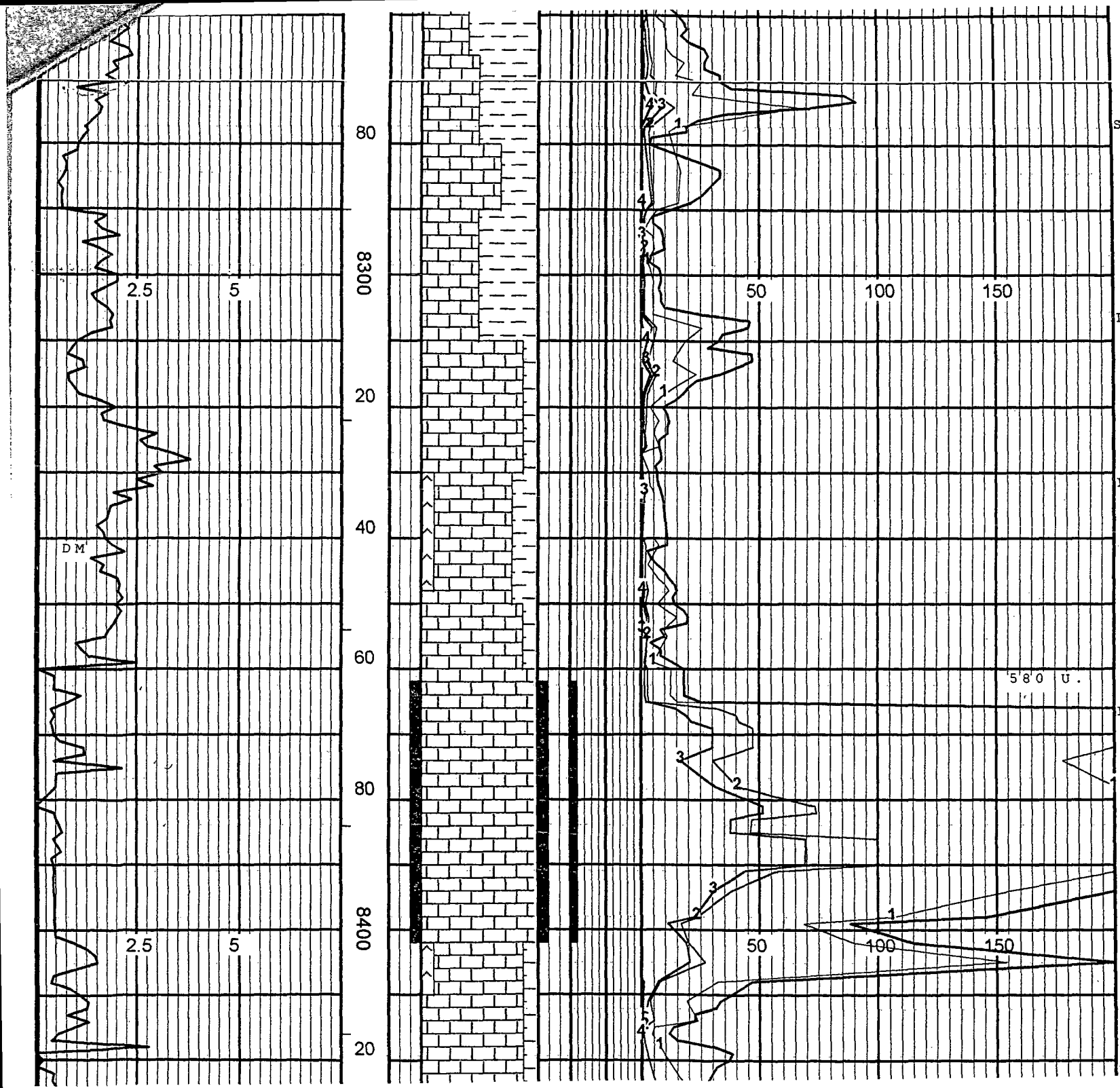
SH:drk brn,blk,sm v/dk gry,blky,slty,v/frm-frm,sme smth,waxy,sli carb,dull-erthy,tr mica,sli calc

LS:tn,wht,crm,mott,sme bff,vfn xln,frm-mod hrd,dns,sme chlky,tr foss,gen cln NO VIS FLUOR OR CUT

CHRT:brn,lt brn,opaq, lmy,vfn pyr,sme shrp, ang,sm smky-brn

SH; blk,drk brn,blky, sme plty,mod hrd, erthy,pyritic.

LS:off wht,lt brn,brn vfn xln mod hrd sme



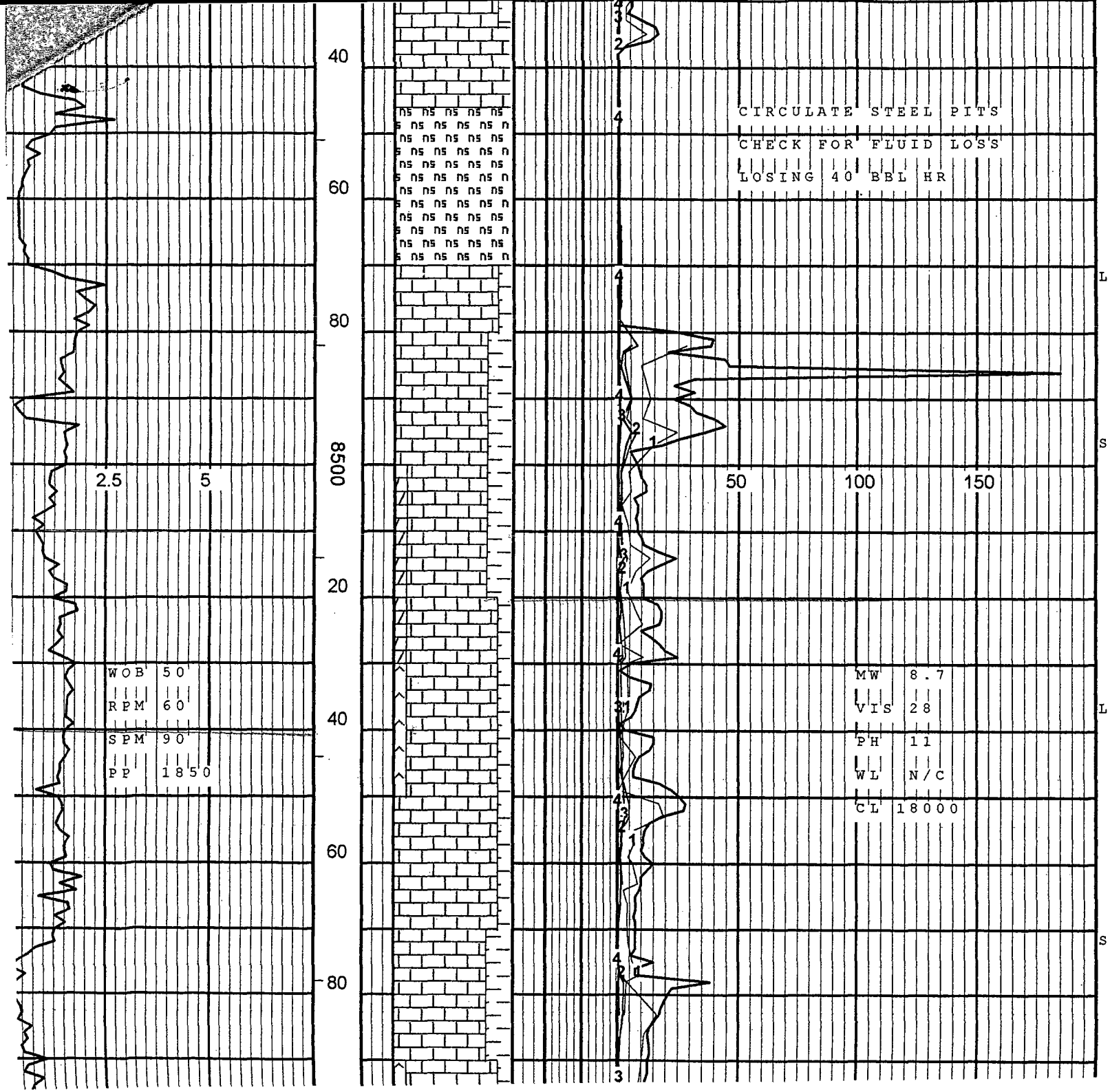
SH:blk, gry,tn,blky mod hrd,frm,erthy fnly pyritic,tr chrt.

LS:tn,crm,wht,mott,sme lt brn,vfn xln,frm,sm mod hrd,cln,tr foss, sme chrty in prt

LS:brn,tn,crm,dk brn, blk,vfn-micro xln,dns sme v/dns,hrd-mod hrd sme chlky,tr free pyr tr imbdd pyr,tr CHRT, shly.

LS:tn,crm,wht,lt gry, bff,sm lt brn,vfn xln frm,sme rexln,sm dns, cln,chlky,tr interxln poro,20-30% pale yell fluor,sli tr slo even pale yell wet cut,sme fltng xtls

LS:crm,tn,off wht,wht.



xln,dns,frm-mod hrd, chlky,arg,sm rexln.

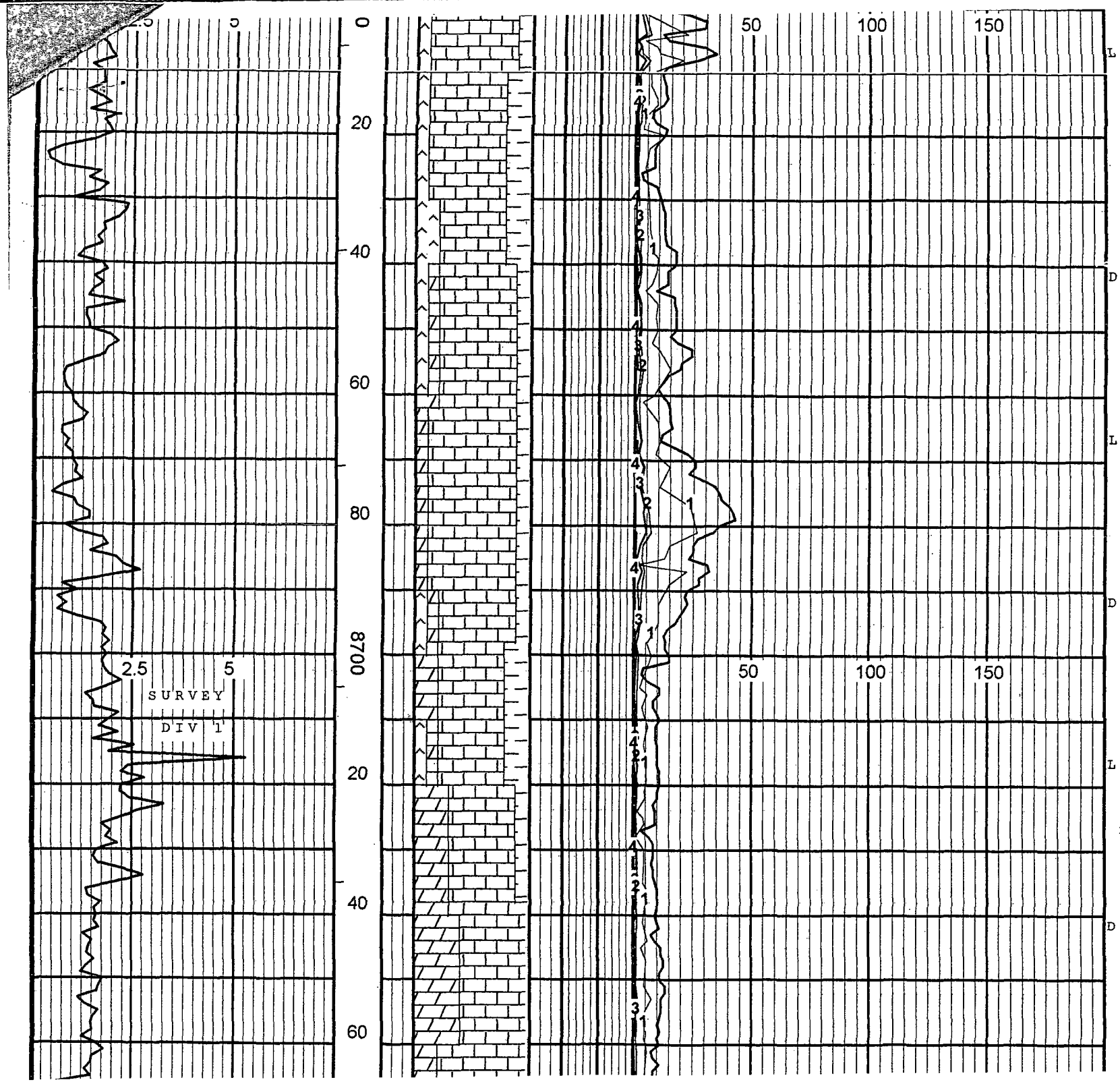
NO SAMPLE OR GAS

LS:tn,crm,off wht,wht, brn,dk brn,vfn-micro xln,mod dns-dns,mott, mod frm,britt,shly.

SH:dk gry,blk,gry,lg gry,dk brn,v/lt grn, blky,pred erthy,grny, sme smooth,carb ip, mod frm-mod hrd,sme sft,tr imbdd pyr,tr DOLO.

LS:lt brn,crm,tn,off wht,micro xln,dns,frm sme hrd,britt,sme chlky,arg ip,tr CHRT.

SH:blk,dk gry,gry,dk brn,lt gry,lt grn, erthy,sme waxy,grny, sme smooth,mod frm-mod hrd,sme sft



LS:tn,lt brn,off wht, gry,wht,vfn-micro xln mod dns-dns,frm-mod hrd,britt,abndt wht cly,tr CHRT.

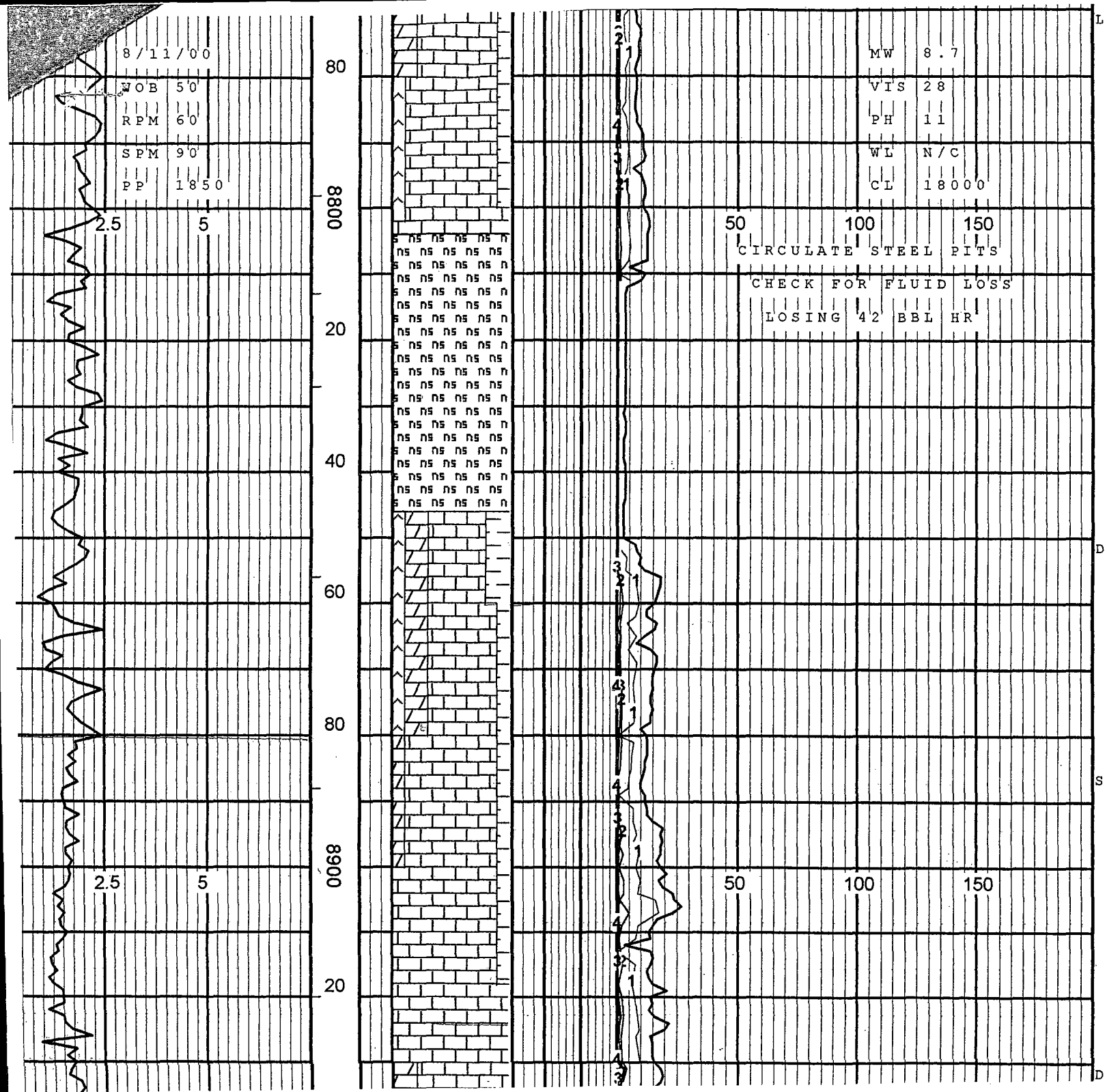
DOLO:wht,off wht,buff, micro fn-xln,dns,frm, mod hrd,sme mott.

LS:tn,lt brn,off wht, gry,vf-micro xln,mod dns-dns,frm,britt, shly,no flour or cut.

DOLO:wht,off wht,tn, clr,frstd,micro xln, dns,sme chlky,tr mlky CHRT,mott.

LS:tn,buff,crm,lt brn, dk brn,vfn-micro xln, mod dns-dns,frm-mod hrd,britt,tr free pyr

DOLO:off wht,wht,tn, crm,micro fn xln,dns, hrd-mod hrd,sme chlky mott.



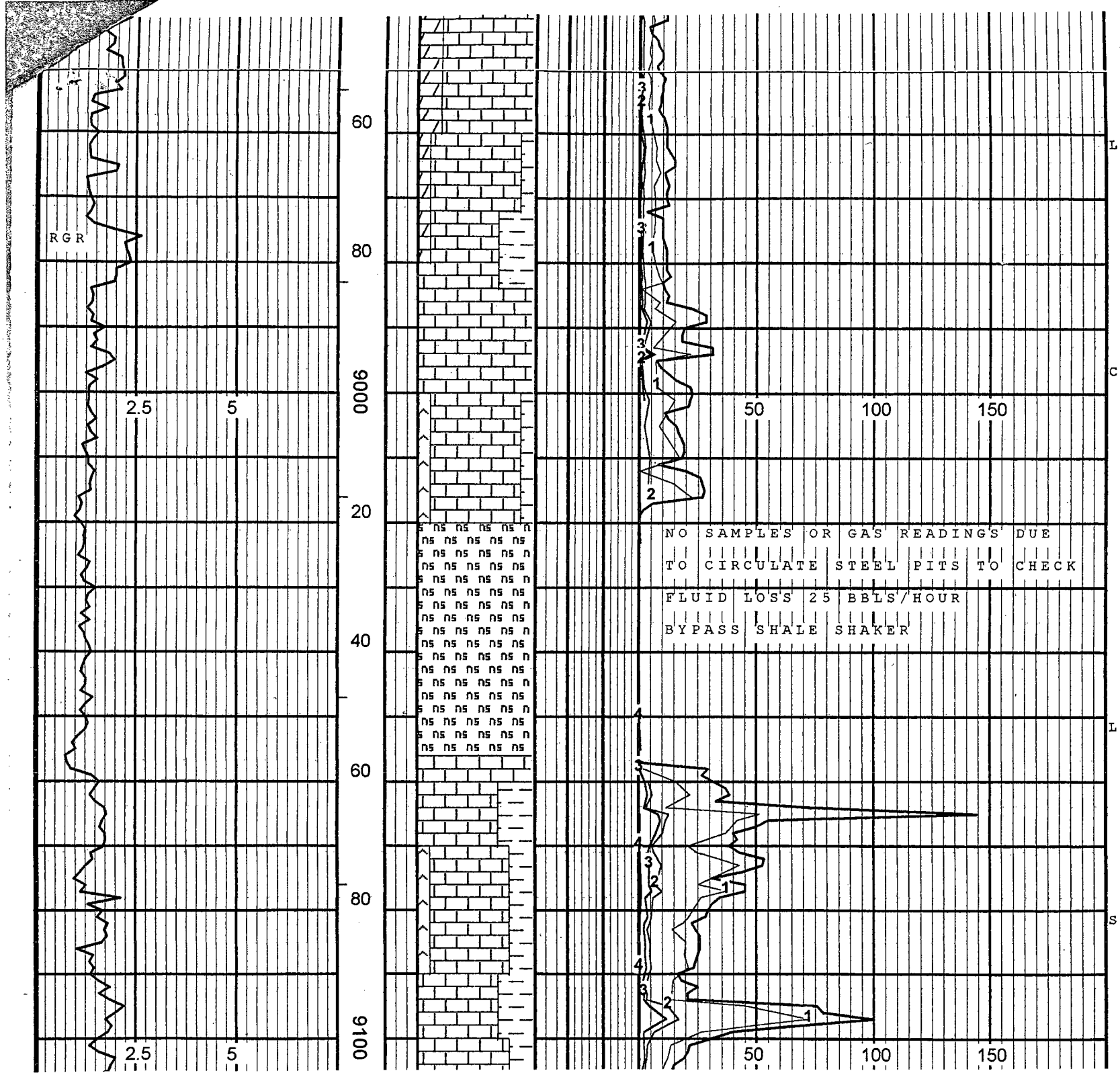
LS:lt brn,buff,crm,off wht,wht,gry,vfn-micro xln,dns,frm-mod hrd, britt,abndt wht clay, tr mlky chrt.

NO SAMPLE OR GAS

DOLO:tn,off wht,crm, lt brn,translu,dns, frm,mod hrd,britt,sme mott,abndt foss,shly, tr CHRT.

SH:dk gry,blk,lt grn, erthy,grny,sme smooth modfrm-mod hrd,sme sft,tr imbdd pyr.

DOLO:crm,tn,frstd,blk



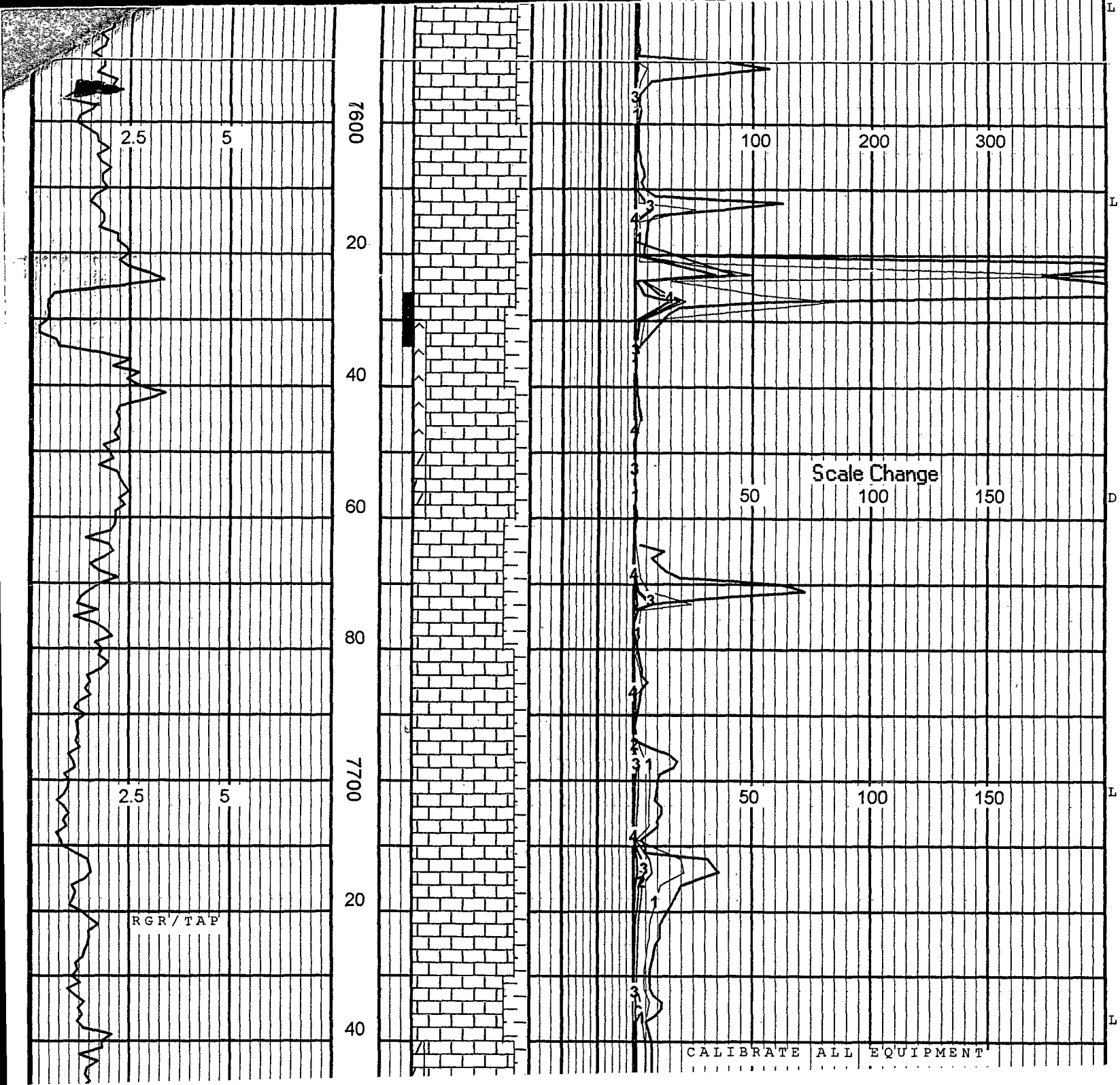
dns,mod hrd-hrd,sme mott,arg ip.

LS:tn,off wht,wht,brn, dk brn,vfn-micro xln, mod dns-dns,frm,sme britt,shly,abndt wht clay.

CHRT:brn,lt brn,smky-brn,opaq,translu,lmy vfn pyr

LS:tn,crm,lt brn,mott, bff,wht,vfn xln,frm-mod hrd,dns,tr foss, cln,sm chrty in prt

SH:drk gry,v/drk gry, sme med gry,drk brn, frm-v/frm,sm sft,sm dull-erthy,sli calc, tr mica



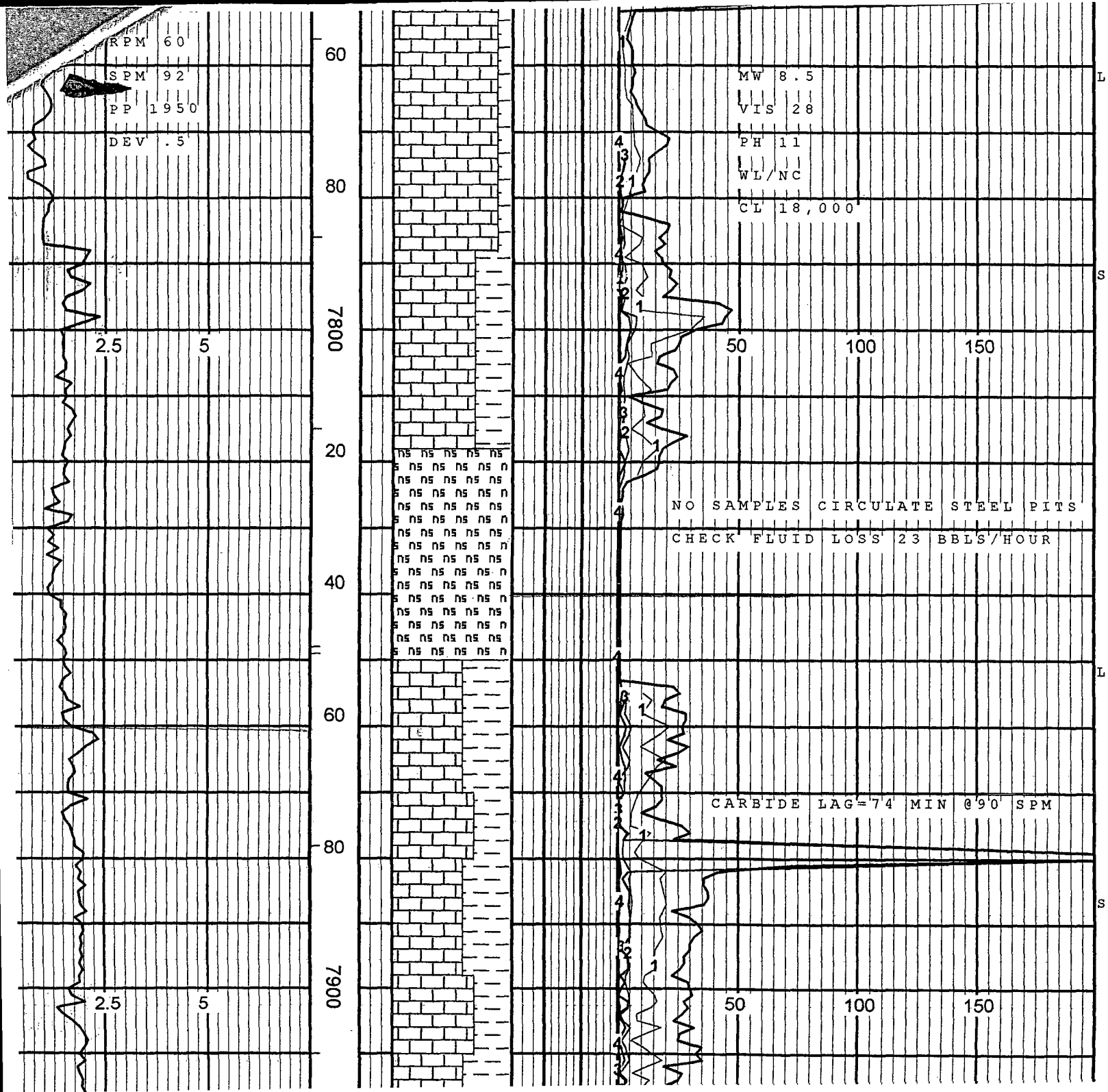
LS:off wht,wht,tn,crm, buff,dk brn,mott, micro xln,mod hrd,sm sft.silic/sucros ip, shly,tr free pyr.

LS:off wht,wht,crm, buff,tn,brn,vfn micro xln,dns,mod hrd,sm frm,tr pyr,sm free pyr,sli arg,tr inter xln poro,tr clr calc NO VIS FLUOR OR CUT

DOLO:translu,frsted, buff,vfn xln,dns,mod hrd,sm cmbly,silic ip tr imbdd pyr,tr mlky CHRT.

LS:off wht,lt brn,drk brn,vfn micro xln,frm mod hrd,sme mott,sme calc,tr pyr.

LS: off wht,wht,lt brn brn,vfn xln,fmr,mod



LS:lt brn,brn,off wht sme transl,vfn xln, mod hrd,sme s.ft,argil tr chrt.

SH;gry,drk brn,v/dk bn plty,sme blky,mod hrd erthy.sme pyr.

LS:lt brn,crm,off wht, transl,vfn xln,mod hrd,sme frm,mott,sme silic.

SH:brn,drk brn,lt brn, frm,mod hrd,plty, erthy,sme pyr.

ABBREVIATIONS

AU - ARTESIA UNIT

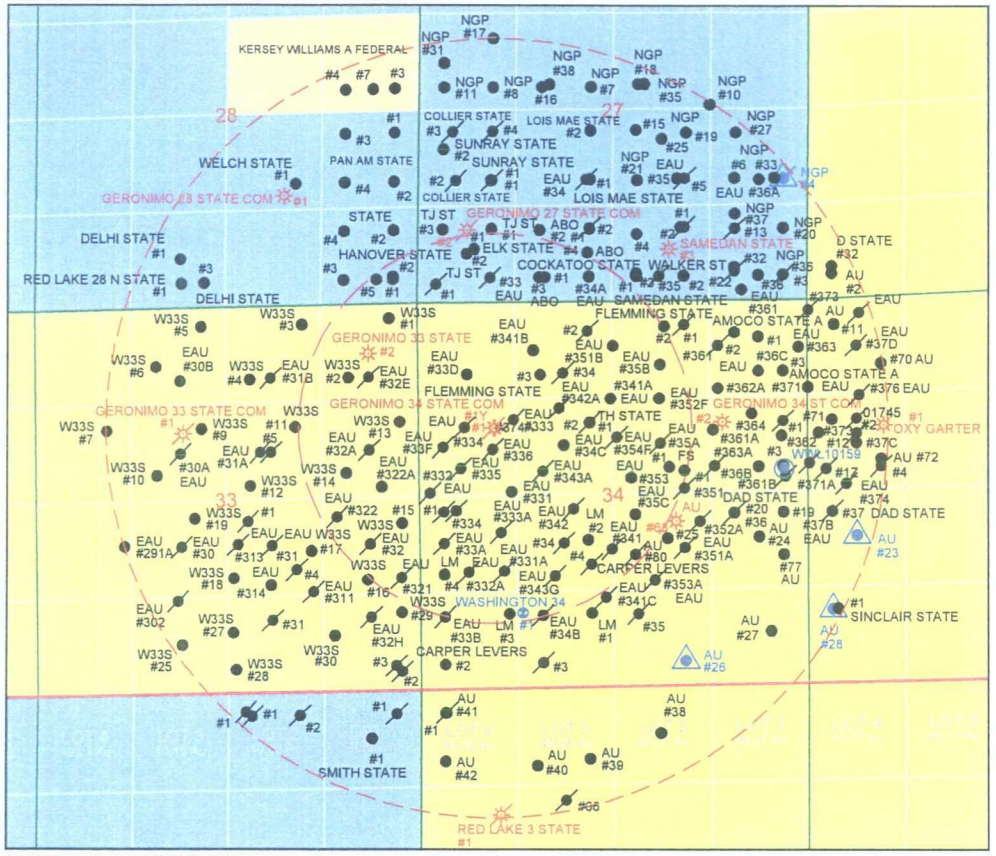
EAU - EMPIRE ABO UNIT

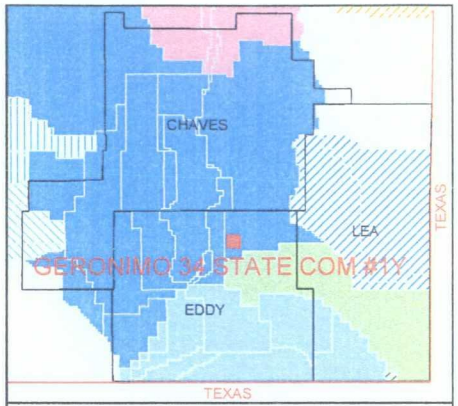
FS - FLEMMING STATE

LM - LARA MICHELLE

NGP - NG PHILLIPS STATE

W33S - WASHINGTON 33 STATE





DECLARED GROUND WATER BASINS

CAPITAN	LEA COUNTY	PENASCO
CARLSBAD	JAL	PORTALES
FORT SUMNER	HONDO	ROSWELL ARTESIAN
	SALT BASIN	

1 MILE RADIUS — TOWNSHIP LINE

1/2 MILE RADIUS — SECTION LINE

SCALE: 1" = 2000'

0 MI 1/4 1/2 1 MI

SURFACE OWNERSHIP

BLM	STATE	
BUREAU OF RECLAIM.	NATIONAL PARK SERV.	FOREST SERVICE
PARK	WILDLIFE REFUGE	TRIBAL LANDS

ACTIVE OIL	INACTIVE OIL	WATER
ACTIVE GAS	INACTIVE GAS	
ACTIVE INJECTION	INACTIVE INJECTION	
ACTIVE WATER	INACTIVE WATER	
ACTIVE SWD	INACTIVE SWD	

DOMINION OKLAHOMA TEXAS EXPL. & PROD INC
GERONIMO 34 STATE COM #1Y

API: 3001531293

SEC: 34 TWP: 17S

UNIT: E RNG: 28E

1700 FNL 1038 FWL

COUNTY: EDDY

S 76 E - 14.0 MILES FROM Artesia, NM

LAT: 32°47.625' N. LON: 104°10.147' W.

DATE: 11/17/08

Exhibit B

only 2 wells Deep enough TO Penetrate DISPOSAL Zone

Wells in AOR

0.5 MILE = RED 1.0 MILE = BLACK

POWO = PRE-ONGARD WELL OPERATOR

POW = PRE-ONGARD WELL

	RAD	API	OPER	LEASE	WELL	TYPE	STA	TWN	RNG	SEC	UNT	TVD
		3001531293	DOM	GER	001Y	G	A	17S	28E	34	E	10600
1	18	3001531172	DOM	GER	1	G	P	17S	28E	34	E	490
2	267	3001522226	BP	EAU	333	O	P	17S	28E	34	E	6319
3	302	3001522919	BP	EAU	336	O	P	17S	28E	34	E	6350
4	418	3001522910	BP	EAU	334	O	P	17S	28E	34	E	6350
5	722	3001522767	BP	EAU	335	O	T/A	17S	28E	34	E	0
6	755	3001501718	BP	EAU	033F	O	T/A	17S	28E	34	E	0
7	818	3001501727	BP	EAU	033D	O	A	17S	28E	34	D	0
8	876	3001522895	BP	EAU	343A	O	T/A	17S	28E	34	F	0
9	897	3001522863	BP	EAU	342A	O	T/A	17S	28E	34	F	0
10	902	3001521394	BP	EAU	331	O	A	17S	28E	34	E	0
11	937	3001525678	MARBOB	FS	3	O	A	17S	28E	34	C	0
12	955	3001501714	BP	EAU	034C	O	A	17S	28E	34	F	0
13	1163	3001522486	BP	EAU	341B	O	A	17S	28E	34	C	0
14	1170	3001501717	POWO	POW	34	O	P	17S	28E	34	C	0
15	1247	3001522787	POWO	POW	334	O	P	17S	28E	34	L	0
16	1251	3001521962	BP	EAU	332	O	T/A	17S	28E	34	E	0
17	1273	3001501726	POWO	POW	2	O	P	17S	28E	34	F	0
18	1273	3001530762	MARBOB	TH	1	O	A	17S	28E	34	F	4223
19	1291	3001522524	BP	W33S	13	O	A	17S	28E	33	H	6158
20	1338	3001501704	POWO	POW	1	O	P	17S	28E	34	L	0
21	1422	3001522631	BP	EAU	333A	O	T/A	17S	28E	34	L	0
22	1526	3001521964	BP	EAU	342	O	T/A	17S	28E	34	K	0
23	1599	3001522227	BP	EAU	341A	O	A	17S	28E	34	F	0
24	1644	3001522844	BP	EAU	354F	O	T/A	17S	28E	34	G	0
25	1714	3001501711	BP	EAU	033A	O	T/A	17S	28E	34	L	0
26	1722	3001501694	BP	EAU	032A	O	P	17S	28E	33	H	6280
27	1727	3001522594	BP	EAU	322A	O	A	17S	28E	33	H	0
28	1796	3001501702	POWO	POW	2	O	P	17S	28E	34	C	0
29	1805	3001522822	BP	W33S	15	O	A	17S	28E	33	I	6370
30	1816	3001501710	POWO	POW	34	O	P	17S	28E	34	K	0
31	1838	3001501695	BP	EAU	032E	O	T/A	17S	28E	33	A	0
32	1929	3001522523	BP	EAU	351B	O	A	17S	28E	34	B	0
33	1943	3001521784	BP	EAU	331A	O	T/A	17S	28E	34	L	0
34	1955	3001522629	BP	EAU	353	O	A	17S	28E	34	G	0
35	1967	3001525493	MARBOB	LM	2	O	A	17S	28E	34	K	0
36	1985	3001522416	BP	EAU	332A	O	P	17S	28E	34	L	0
37	1988	3001531373	~~DOM~~ BP	GER	2	G	A	17S	28E	33	A	10600
38	2031	3001501579	BP	EAU	33	O	T/A	17S	28E	27	M	6189
39	2062	3001530299	BP	W33S	1	O	A	17S	28E	33	A	3000
40	2089	3001530187	BP	W33S	2	O	A	17S	28E	33	A	4150
41	2093	3001530194	BP	W33S	14	O	A	17S	28E	33	H	4200
42	2098	3001524446	MARBOB	LM	4	O	A	17S	28E	34	L	0
43	2102	3001501593	POWO	POW	1	O	P	17S	28E	27	M	0
44	2119	3001523117	MARBOB	ABO	3	O	A	17S	28E	27	N	0
45	2142	3001524805	MARBOB	COCK	1	O	A	17S	28E	27	N	3054
46	2163	3001522463	BP	EAU	343C	O	P	17S	28E	34	K	0

OK CMT

Exhibit B

47	**2222**	**3001501763**	**BP**	**EAU**	**035C**	**O**	**A**	**17S**	**28E**	**34**	**J**	**0**
48	**2234**	**3001501715**	**BP**	**EAU**	**035A**	**O**	**T/A**	**17S**	**28E**	**34**	**G**	**0**
49	**2240**	**3001522628**	**BP**	**EAU**	**352F**	**O**	**A**	**17S**	**28E**	**34**	**G**	**0**
50	**2256**	**3001501721**	**VINTAGE**	**CARPER**	**4**	**O**	**P**	**17S**	**28E**	**34**	**K**	**0**
51	**2275**	**3001521797**	**BP**	**EAU**	**341**	**O**	**T/A**	**17S**	**28E**	**34**	**K**	**0**
52	**2300**	**3001501693**	**BP**	**EAU**	**32**	**O**	**P**	**17S**	**28E**	**33**	**I**	**0**
53	**2375**	**3001501716**	**BP**	**EAU**	**035B**	**O**	**A**	**17S**	**28E**	**34**	**B**	**0**
54	**2386**	**3001521769**	**BP**	**EAU**	**321**	**O**	**P**	**17S**	**28E**	**33**	**I**	**0**
55	**2388**	**3001501568**	**MARBOB**	**TJ ST**	**2**	**O**	**A**	**17S**	**28E**	**27**	**M**	**0**
56	**2399**	**3001501592**	**BP**	**EAU**	**034A**	**O**	**A**	**17S**	**28E**	**27**	**N**	**0**
57	**2402**	**3001525601**	**MARBOB**	**FS**	**1**	**O**	**A**	**17S**	**28E**	**34**	**G**	**3112**
58	**2433**	**3001525845**	**MARBOB**	**ELK**	**1**	**O**	**A**	**17S**	**28E**	**27**	**M**	**0**
59	**2442**	**3001501595**	**MARBOB**		**1**	**O**	**A**	**17S**	**28E**	**28**	**P**	**0**
60	**2445**	**3001522525**	**BP**	**EAU**	**322**	**O**	**T/A**	**17S**	**28E**	**33**	**I**	**0**
61	**2466**	**3001520355**	**MARBOB**	**HANOVER**	**2**	**O**	**A**	**17S**	**28E**	**28**	**P**	**6158**
62	**2525**	**3001529344**	**BP**	**WASH**	**1**	**S**	**A**	**17S**	**28E**	**34**	**N**	**10950**
63	**2525**	**3001522418**	**MARBOB**	**LM**	**3**	**O**	**A**	**17S**	**28E**	**34**	**M**	**0**
64	**2551**	**3001531462**	**MELROSE**	**AU**	**80**	**O**	**UNC**	**17S**	**28E**	**34**	**J**	**0**
65	**2569**	**3001522969**	**MARBOB**		**5**	**O**	**A**	**17S**	**28E**	**28**	**P**	**0**
66	**2608**	**3001501707**	**C O FULTON**	**PAN AM**	**1**	**O**	**A**	**17S**	**28E**	**34**	**G**	**0**
67	**2618**	**3001501713**	**BP**	**EAU**	**034B**	**O**	**P**	**17S**	**28E**	**34**	**N**	**0**
68	2647	3001501712	BP	EAU	033B	O	P	17S	28E	34	M	6337
69	2651	3001525636	MARBOB	FS	2	O	A	17S	28E	34	B	0
70	2673	3001521537	BP	EAU	351	O	T/A	17S	28E	34	G	0
71	2673	3001522415	BP	W33S	16	O	A	17S	28E	33	I	6219
72	2676	3001523330	MARBOB	ABO	4	O	A	17S	28E	27	N	0
73	2688	3001530193	BP	W33S	11	O	A	17S	28E	33	G	4100
74	2690	3001524521	MARBOB	TJ ST	1	O	A	17S	28E	27	M	2200
75	2714	3001531716	DOM	GER	2	G	P	17S	28E	27	M	10610
76	2736	3001522912	BP	EAU	341C	O	P	17S	28E	34	N	6360
77	2736	3001526452	MELROSE	AU	68	G	A	17S	28E	34	J	3121
78	2736	3001523088	MARBOB	ABO	2	O	A	17S	28E	27	N	1000
79	2759	3001501723	MELROSE	AU	25	O	A	17S	28E	34	J	0
80	2777	3001522072	MARBOB	TJ ST	3	O	A	17S	28E	27	M	0
81	2791	3001524611	MARBOB	SAMEDAN	1	O	A	17S	28E	27	O	3017
82	2793	3001522417	BP	W33S	29	O	A	17S	28E	33	P	6378
83	2820	3001522015	MARBOB	WALKER	3	O	A	17S	28E	27	O	0
84	2826	3001524910	MARBOB	LM	1	O	A	17S	28E	34	N	0
85	2857	3001521392	MARBOB		3	O	A	17S	28E	28	P	0
86	2888	3001501701	POWO	POW	1	O	P	17S	28E	34	B	0
87	2918	3001521963	BP	EAU	361A	O	A	17S	28E	34	H	0
88	2954	3001530276	BP	W33S	3	O	A	17S	28E	33	B	2950
89	2975	3001525018	MARBOB	COCK	2	O	A	17S	28E	27	N	0
90	2978	3001522821	BP	W33S	17	O	A	17S	28E	33	J	6370
91	2978	3001522865	BP	EAU	353A	O	T/A	17S	28E	34	J	0
92	2985	3001501577	MARBOB	ABO	1	O	P	17S	28E	27	N	0
93	2987	3001522820	BP	EAU	363A	O	P	17S	28E	34	H	0
94	3005	3001521147	MARBOB		2	O	A	17S	28E	28	P	0
95	3010	3001501590	POWO	POW	35	O	P	17S	28E	27	O	0
96	3021	3001522123	BP	EAU	351A	O	T/A	17S	28E	34	J	0
97	3025	3001522846	BP	EAU	352A	O	T/A	17S	28E	34	J	6351
98	3031	3001522817	BP	EAU	362A	O	A	17S	28E	34	A	0

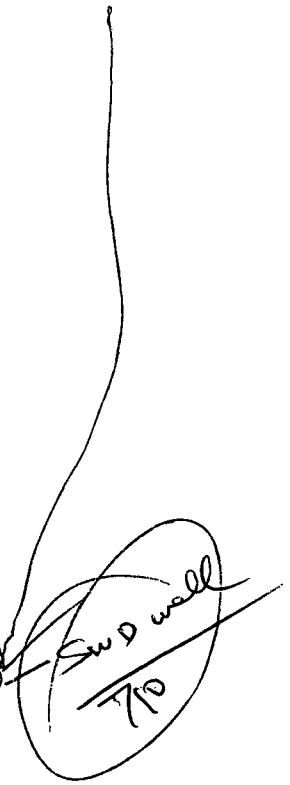


Exhibit B

99	3033	3001501678	POWO	POW	5	O	P	17S	28E	33	G	0
100	3048	3001531550	DOM	GER	2	G	A	17S	28E	34	H	10600
101	3056	3001501696	BP	EAU	032H	O	T/A	17S	28E	33	P	0
102	3099	3001501698	BP	EAU	031B	O	UNC	17S	28E	33	B	0
103	3170	3001501703	POWO	POW	35	O	UNC	17S	28E	34	O	0
104	3182	3001522487	ARCO	EAU	361	O	P	17S	28E	34	A	0
105	3183	3001501692	BP	EAU	031A	O	T/A	17S	28E	33	G	0
106	3236	3001522016	MARBOB	WALKER	4	O	A	17S	28E	27	O	0
107	3246	3001501722	POWO	POW	3	O	P	17S	28E	34	N	0
108	3261	3001501591	MARBOB	WALKER	2	O	A	17S	28E	27	O	0
109	3273	3001501705	VINTAGE	CARPER	2	O	A	17S	28E	34	M	0
110	3284	3001501683	POWO	POW	4	O	P	17S	28E	33	J	0
111	3296	3001521538	BP	EAU	311	O	P	17S	28E	33	J	0
112	3347	3001521527	MARBOB		4	O	A	17S	28E	28	P	0
113	3350	3001501578	POWO	POW	1	O	P	17S	28E	27	L	0
114	3350	3001510330	MARBOB	SUNRAY	1	O	A	17S	28E	27	L	6150
115	3366	3001531173	MARBOB	SAMEDAN	3	G	A	17S	28E	27	O	10660
116	3378	3001530188	BP	W33S	4	O	A	17S	28E	33	B	4000
117	3388	3001521272	MACK	COLLIER	2	O	P	17S	28E	27	L	0
118	3394	3001530348	BP	W33S	12	O	A	17S	28E	33	G	4000
119	3397	3001501691	BP	EAU	31	O	P	17S	28E	33	J	0
120	3406	3001501706	POWO	POW	36	O	P	17S	28E	34	I	0
121	3406	3001532492	MARBOB	DAD	20	O	A	17S	28E	34	I	0
122	3441	3001522927	BP	EAU	364	O	A	17S	28E	34	H	0
123	3453	3001525508	MARBOB	AMOCO	2	O	A	17S	28E	34	A	0
124	3480	3001501682	POWO	POW	3	O	P	17S	28E	33	P	0
125	3523	3001501681	POWO	POW	2	O	P	17S	28E	33	O	0
126	3541	3001522465	BP	W33S	30	O	A	17S	28E	33	P	6262
127	3568	3001501680	POWO	POW	1	O	P	17S	28E	33	K	0
128	3570	3001501719	BP	EAU	036B	O	A	17S	28E	34	H	0
129	3578	3001501581	BP	EAU	34	O	T/A	17S	28E	27	K	0
130	3596	3001501580	ABO	LOIS MAE	1	O	A	17S	28E	27	K	2137
131	3602	3001520811	MARBOB	PAN AM	2	O	A	17S	28E	28	I	0
132	3606	3001501720	BP	EAU	036C	O	A	17S	28E	34	A	0
133	3683	3001530773	MARBOB	SAMEDAN	2	O	A	17S	28E	27	O	4175
134	3687	3001522845	BP	EAU	314	O	A	17S	28E	33	J	0
135	3717	3001521469	MARBOB	WALKER	1	O	P	17S	28E	27	O	895
136	3730	3001501700	MARBOB	AMOCO	1	O	A	17S	28E	34	A	0
137	3793	3001522803	BP	EAU	361	O	A	17S	28E	27	P	0
138	3814	3001522592	BP	EAU	313	O	P	17S	28E	33	J	0
139	3832	3001501724	MELROSE	AU	24	O	A	17S	28E	34	I	0
140	3833	3001524569	MARBOB	SUNRAY	2	O	A	17S	28E	27	L	2900
141	3840	3001522630	BP	EAU	362	O	A	17S	28E	34	H	0
142	3844	3001522949	POWO	POW	22	O	P	17S	28E	27	P	0
143	3855	3001521879	MARBOB	NGP	21	O	A	17S	28E	27	J	0
144	3858	3001501725	C E LARUE	MOORE	1	O	P	17S	28E	34	H	0
145	3871	3001524477	MARBOB	NGP	32	O	A	17S	28E	27	P	0
146	3888	3001523055	MARBOB	PAN AM	4	O	A	17S	28E	28	I	0
147	3896	3001525470	MARBOB	MOORE	3	O	A	17S	28E	34	H	0
148	3918	3001505889	POWO	POW	1	O	P	18S	28E	3	D	0
149	3921	3001501776	MELROSE	AU	41	O	A	18S	28E	3	4	0
150	3930	3001525471	MARBOB	AMOCO	3	O	A	17S	28E	34	A	0

Exhibit B

151	3948	3001522823	BP	EAU	361B	O	T/A	17S	28E	34	I	0
152	3961	3001501699	POWO	POW	31	O	P	17S	28E	33	O	0
153	3968	3001530191	BP	W33S	9	O	A	17S	28E	33	F	4200
154	4010	3001521712	MACK	COLLIER	4	O	P	17S	28E	27	L	7200
155	4029	3001531389	MARBOB	D	19	O	A	17S	28E	34	I	4488
156	4046	3001521441	MACK	COLLIER	3	O	P	17S	28E	27	L	0
157	4052	3001501708	MELROSE	AU	26	I	A	17S	28E	34	O	0
158	4070	3001521745	BP	W33S	18	O	A	17S	28E	33	J	6404
159	4083	3001501582	BP	EAU	36	O	A	17S	28E	27	P	0
160	4097	3001502557	POWO	POW	1	O	P	18S	28E	4	A	0
161	4167	3001501584	BP	EAU	35	O	A	17S	28E	27	J	0
162	4193	3001523568	POWO	POW	13	O	P	17S	28E	27	P	0
163	4206	3001522804	BP	EAU	363	O	A	17S	28E	34	A	0
164	4208	3001530277	BP	W33S	5	O	A	17S	28E	33	C	2950
165	4218	3001510102	MARBOB	PAN AM	1	O	A	17S	28E	28	I	0
166	4219	3001531044	DOM	GER	1	G	P	17S	28E	33	F	0
167	4222	3001521975	ABO	LOIS MAE	2	O	A	17S	28E	27	K	0
168	4228	3001501573	POWO	POW	5	O	P	17S	28E	27	J	0
169	4230	3001521535	BP	EAU	371	O	A	17S	28E	35	D	0
170	4231	3001530001	MELROSE	AU	77	O	A	17S	28E	34	I	3125
171	4240	3001531829	DOM	GER	1	G	A	17S	28E	28	J	10488
172	4243	3001521806	BP	EAU	371A	O	T/A	17S	28E	35	E	0
173	4244	3001530332	BP	W33S	19	O	A	17S	28E	33	K	4100
174	4258	3001525703	JUDAH OIL	WELCH	1	O	A	17S	28E	28	J	0
175	4270	3001501689	BP	EAU	030A	O	T/A	17S	28E	33	F	0
176	4311	3001501697	BP	EAU	030B	O	A	17S	28E	33	C	0
177	4326	3001524848	MARBOB	NGP	37	O	A	17S	28E	27	P	0
178	4339	3001522805	BP	EAU	373	O	A	17S	28E	35	E	0
179	4373	3001501571	POWO	POW	3	O	P	17S	28E	27	P	0
180	4375	3001524776	MARBOB	NGP	36	O	A	17S	28E	27	P	0
181	4396	3001521463	MARBOB	DELHI	3	O	A	17S	28E	28	N	0
182	4451	3001521603	MARBOB	NGP	15	O	A	17S	28E	27	J	0
183	4461	3001521383	MARBOB	PAN AM	3	O	A	17S	28E	28	I	0
184	4476	3001501729	POWO	POW	001Z	O	P	17S	28E	35	E	0
185	4487	3001522605	BP	W33S	27	O	A	17S	28E	33	O	6405
186	4487	3001522462	POWO	POW	373	O	UNC	17S	28E	35	D	0
187	4504	3001523640	MARBOB	NGP	25	O	A	17S	28E	27	J	0
188	4518	3001529862	MELROSE	AU	71	O	A	17S	28E	35	E	3010
189	4526	3001502556	HANSON	SMITH	1	O	A	18S	28E	4	1	0
190	4539	3001501686	BP	EAU	30	O	P	17S	28E	33	K	0
191	4573	3001502547	MELROSE	AU	42	O	A	18S	28E	3	4	2338
192	4608	3001501709	MELROSE	AU	27	O	A	17S	28E	34	P	0
193	4609	3001501576	MARBOB	NGP	8	O	A	17S	28E	27	E	0
194	4617	3001501799	MELROSE	AU	40	O	A	18S	28E	3	3	0
195	4628	3001530192	BP	W33S	10	O	A	17S	28E	33	F	4000
196	4653	3001521632	MARBOB	NGP	16	O	A	17S	28E	27	F	0
197	4659	3001521260	MARBOB	NGP	11	O	A	17S	28E	27	E	0
198	4660	3001501574	MARBOB	NGP	6	O	A	17S	28E	27	I	0
199	4663	3001501734	BP	EAU	037B	O	P	17S	28E	35	L	6351
200	4664	3001533478	MARBOB	DAD	37	O	A	17S	28E	35	L	0
201	4669	3001530138	BP	W33S	6	O	A	17S	28E	33	C	4000
202	4669	3001502542	MELROSE	AU	39	O	A	18S	28E	3	3	2401

Exhibit B

203	4673	3001533739	EDGE	RED LAKE	1	O	A	17S	28E	28	N	0
204	4699	3001502554	POWO	POW	2	O	P	18S	28E	4	C	0
205	4701	3001502543	MELROSE	AU	38	O	A	18S	28E	3	2	2425
206	4705	3001525513	MARBOB	NGP	38	O	A	17S	28E	27	F	0
207	4712	3001521841	MARBOB	NGP	20	O	A	17S	28E	27	P	0
208	4744	3001521840	MARBOB	NGP	19	O	A	17S	28E	27	J	0
209	4751	3001502654	MELROSE	AU	11	O	A	17S	28E	35	D	0
210	4774	3001522768	BP	EAU	374	O	P	17S	28E	35	E	0
211	4783	3001522124	BP	W33S	28	O	A	17S	28E	33	O	6362
212	4788	3001501575	MARBOB	NGP	7	O	A	17S	28E	27	F	0
213	4790	3001510230	SDX	KERSEY	3	O	A	17S	28E	28	H	0
214	4834	3001501596	MARBOB	DELHI	1	O	A	17S	28E	28	N	0
215	4848	3001501730	POWO	POW	2	O	P	17S	28E	35	E	0
216	4849	3001501752	BP	EAU	037C	O	P	17S	28E	35	E	0
217	4854	3001501745	MELROSE	AU	12	O	A	17S	28E	35	E	0
218	4871	3001533689	SDX	KERSEY	7	O	A	17S	28E	28	H	0
219	4880	3001501583	BP	EAU	036A	O	A	17S	28E	27	I	0
220	4889	3001522604	BP	EAU	302	O	P	17S	28E	33	N	0
221	4904	3001522786	BP	EAU	376	O	T/A	17S	28E	35	E	0
222	4968	3001501753	BP	EAU	037D	O	T/A	17S	28E	35	D	0
223	4972	3001501563	MELROSE	AU	2	O	A	17S	28E	26	M	2150
224	4985	3001524259	MARBOB	NGP	31	O	A	17S	28E	27	E	0
225	4998	3001521969	SDX	KERSEY	4	O	A	17S	28E	28	H	0
226	5016	3001532484	MARBOB	D	32	O	A	17S	28E	26	M	4272
227	5033	3001521808	MARBOB	NGP	18	O	A	17S	28E	27	G	0
228	5047	3001524532	MARBOB	NGP	33	O	A	17S	28E	27	I	0
229	5066	3001524620	MARBOB	NGP	35	O	A	17S	28E	27	G	0
230	5069	3001501746	MELROSE	AU	23	I	A	17S	28E	35	L	0
231	5097	3001502588	POWO	POW	1	O	UNC	18S	28E	4	B	0
232	5110	3001502579	POWO	POW	1	O	P	18S	28E	4	B	0
233	5122	3001522775	BP	EAU	374A	O	P	17S	28E	35	D	6345
234	5135	3001523736	MARBOB	NGP	27	O	A	17S	28E	27	I	0
235	5141	3001501572	MARBOB	NGP	4	I	P	17S	28E	27	I	0
236	5143	3001520322	POWO	POW	66	O	P	18S	28E	3	F	0
237	5147	3001501690	BP	W33S	25	O	A	17S	28E	33	N	6355
238	5150	3001501732	MELROSE	AU	28	I	A	17S	28E	35	M	0
239	5198	3001529863	MELROSE	AU	72	O	A	17S	28E	35	E	3100
240	5208	3001501757	POWO	POW	4	O	P	17S	28E	35	C	0
241	5211	3001501728	YATES	SINCLAIR	1	O	A	17S	28E	35	M	0
242	5218	3001533596	OXY	GARTER	1	G	A	17S	28E	35	E	0
243	5237	3001520531	MARBOB	NGP	10	O	A	17S	28E	27	G	0
244	5241	3001532421	BP	RED LAKE	1	G	P	18S	28E	3	E	0
245	5246	3001527161	MELROSE	AU	70	O	A	17S	28E	35	D	3100
246	5268	3001530189	BP	W33S	7	O	A	17S	28E	33	E	3950
247	5268	3001521760	MARBOB	NGP	17	O	A	17S	28E	27	E	0
248	5274	3001522864	BP	EAU	291A	O	A	17S	28E	33	L	0

Exhibit B

RKI Exploration and Production,L.L.C.
Geronimo 33 State # 2
API # 30-015-31373
Unit letter "A", Section 33, T17S, R28E
Eddy County, NM

Spud 11/26/2000

13 3/8" casing set at 525 feet in 17 ½" hole. Cemented with 432 sacks cement. Cement circulated to surface

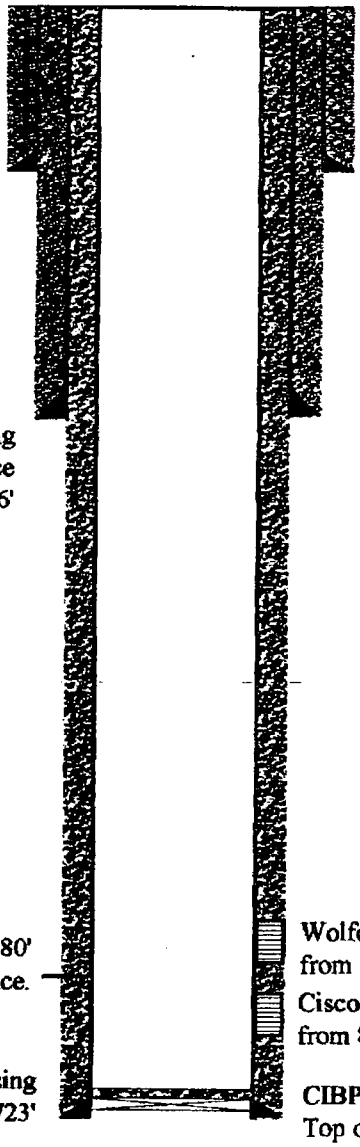
9 5/8"casing set at 2700 feet in 12 ¼" hole. Cemented with 995 sacks cement. Cement circulated to surface

5 ½"casing set at 10600 feet in 7 7/8" hole.
Cemented in 2 stages
No record of DV tool depth
1st Stage 1480 sacks cement
2nd Stage 750 sacks cement
Cement estimated to tie back in to 9 5/8" Intermediate casing at 2700ft

Perfs
10466-10476ft
10420 CIBP capped with 35ft of cement
10247-10253ft
10210 CIBP capped with 35ft of cement
10119-10130ft
10075 CIBP capped with 35ft of cement
9793-9799ft
9730 CIBP capped with 35ft of cement
9505-9516ft
9450 CIBP capped with 35ft of cement
8599-8620ft
8550 CIBP capped with 35ft of cement
7473-7587ft
7450 CIBP capped with 35ft of cement
7287-7358ft
7250 CIBP capped with 35ft of cement
7066-7206ft

Data obtained from records maintained by NMOCD

Exhibit B



Washington "34" No. 1 - SWD

1017' FSL & 1379' FWL (N)
Sec. 34, T-17S, R-28-E
Eddy County, NM
API: 30-015-29344
Spudded 02\06\97
Completed 03\19\97 (T&A'd)

KB: 3675' GL: 3660'

13-3/8" 48# J-55 Casing
cmt'd w/ 600 sx cmt to surface
Shoe @ 535'

9-5/8" 36# J-55 Casing
cmt'd w/ 925 sx cmt to surface
Shoe @ 2556'

Perforate 4 shots @ +/-8580'
and circulate cement to surface.

7" 26/23# L-80/K-55 Casing
cmt'd w/ 575 sx cmt. Shoe @ 9723'

Wolfcamp Injection interval
from 7378' to 7780'

Cisco Injection interval
from 8010 to 9150'

CIBP @ 9258' w/35' cmt on top
Top of plug @ 9223'

Cement Plug 10,080'-10,250'

6-1/8" Open Hole drill to 10,550'

TD @ 10,550' PBTD @ 9223'

DLK 03-31-98

Exhibit B

Legal Notice

Geronimo SWD,L.L.C., PO Box 568, Artesia, New Mexico 88211 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Divison seeking administrative approval of the conversion of the Geronimo 34 State Com #001Y, API #30-015- 31293, 1700 FNL X 1038 FWL, Unit Letter "E", Section 34, Township 17 South, Range 28 East, Eddy county, New Mexico from a shut in Travis; Upper Penn., North oil well to a Wolfcamp; Cisco commercial salt water disposal well. The disposal interval would be the Wolfcamp and Cisco formations through perforations from 7700-9070 feet. Disposal fluid would be produced water trucked in from numerous producing formations in SE New Mexico.
Anticipated disposal rate of 3000 BWPD with a maximum disposal rate of 6000 BWPD.
Anticipated disposal pressure 0 psi with a maximum disposal pressure of 1540 psi.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 with in 15 days. Additional information can be obtained by contacting Blaise Campanella 575-748-5488.

Legal Notice will be published in the Artesia Daily Press

Affidavit of Publication will be forwarded to NMOCD when received

Exhibit F

Pueblo West
Oilfield Consulting Service

RECEIVED
2009 JAN 9 PM 1 25

January 6, 2009

NMOCD
Engineering Bureau
1220 S. St Francis Drive
Santa Fe, NM 87505

RE: C108 for API # 30-015-31293

Will,
Please find enclosed a copy of the affidavit of publication for the Geronimo SWD,LLC SWD permit application for the Geronimo 34 State Com # 001Y.

Sincerely

Billy E. Prichard

Billy(Bill) E. Prichard
www.pwllc.net
125 Greathouse Village
Decatur,TX 76234
432-934-7680 cellular
940-627-5449 office/fax
Email; billy@pwllc.net

Affidavit of Publication

NO. 20505

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT being duly

sworn,says: That he is the **PUBLISHER** of The

Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press,a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same

day as follows:

First Publication December 14, 2008

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

14 Day December 2008

OFFICIAL SEAL
Jo Morgan
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 6/26/2012

Notary Public, Eddy County, New Mexico

Copy of Publication:

Legal Notice
Geronimo SWD,L.L.C., PO Box 568, Artesia, New Mexico 88211 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Divison seeking administrative approval of the conversion of the Geronimo 34 State Com #001Y, API #30-015- 31293, 1700 FNL X 1038 FWL, Unit Letter "E", Section 34, Township 17 South, Range 28 East, Eddy county, New Mexico from a shut in Travis; Upper Penn., North oil well to a Wolfcamp; Cisco commercial salt water disposal well. The disposal interval would be the Wolfcamp and Cisco formations through perforations from 7700-9070 feet. Disposal fluid would be produced water trucked in from numerous producing formations in SE New Mexico. Anticipated disposal rate of 3000 BWPD with a maximum disposal rate of 6000 BWPD. Anticipated disposal pressure 0 psi with a maximum disposal pressure of 1540 psi. All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 with in 15 days. Additional information can be obtained by contacting Blaise Campanella 575-748-5488.
Published in the Artesia Daily Press, Artesia, NM December 14, 2008
Legal No. 20505

Geronimo SWD, L.L.C
C108(Application for Authorization to Inject)
Geronimo 34 State Com # 001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34, T17S, R28E
Eddy County, NM

Notified Parties

SURFACE OWNER
BOGLE LTD CO LLC
PO BOX 460
DEXTER, NM
88230

OCCIDENTAL PERMIAN,INC
Elizabeth S Bush-Ivie
PO Box 4294
Houston, TX U.S.A.
77210

BP AMERICA PRODUCTION COMPANY
PO BOX 3092
HOUSTON, TX U.S.A.
77253-3092

BETTY JANE MOORE & J HIRAM MOORE
1150 N. CARROLL AVENUE
SOUTHLAKE, TX U.S.A.
76092

LOBOS ENERGY PARTNERS, LLC
3817 NW EXPRESSWAY, SUITE 950
OKLAHOMA CITY, OK
73112

PITCH ENERGY CORPORATION
P. O. BOX 304
ARTESIA, NM U.S.A.
88211-8304

CONOCO PHILLIPS CO. AND CHISOS, LTD.
P.O. BOX 2197
HOUSTON, TX
77363-2197

Exhibit F

Geronimo SWD, L.L.C
C108(Application for Authorization to Inject)
Geronimo 34 State Com # 001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34, T17S, R28E
Eddy County, NM

Notified Parties

MARBOB ENERGY CORPORATION
P. O. BOX 227
ARTESIA, NM
88211-0227

RKI EXPLORATION AND PRODUCTION,L.L.C.
3817 NW EXPRESSWAY, SUITE 950
OKLAHOMA CITY, OK
73112

NEW MEXICO STATE LAND OFFICE
PO BOX 1148
SANTA FE, NM 87504-1148

New Mexico Oil Conservation Division
District 2
1301 W.Grand
Artesia, NM 88210

Exhibit F

Jones, William V., EMNRD

From: billy@pwllc.net
Sent: Thursday, January 08, 2009 9:09 AM
To: Jones, William V., EMNRD
Subject: RE: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293

Will, You have the right API for the SWD application. The problem is on the Geronimo 34 State Com #1, which was PA at 490feet and the rig skidded and the log was ran on Geronimo 34 State Com#001Y. The log was scanned in to log files for the PA Geronimo 34 State Com # 001. The log itself has the wrong API # but is for the #001Y
I express mailed the original proof of publication to you this morning, but the best delivery will be Saturday, should be there by Monday morning. Only OCD can move the log to proper well.
Thanks
BEP

-------- Original Message --------
Subject: RE: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293
From: "Jones, William V., EMNRD" <William.V.Jones@state.nm.us>
Date: Thu, January 08, 2009 8:56 am
To: <billy@pwllc.net>

Thanks Billy:
Do I have the wrong API number?
If there is a problem with logs under the wrong API, is this being corrected?
Be sure and send a copy of the Cement Bond Log here. I can forward it to Hobbs for scanning later.

William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

From: billy@pwllc.net [mailto:billy@pwllc.net]
Sent: Wednesday, January 07, 2009 6:58 PM
To: Jones, William V., EMNRD
Cc: Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Reeves, Jacqueta, EMNRD; Phillips, Dorothy, EMNRD; Brooks, David K., EMNRD
Subject: RE: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293

Will, Here is part of additional info requested.
Geronimo SWD, LLC Ogrid # 263684. Dorothy should have the bonding information.
Moores are the lessee of record with the NMSLO for 40 acres - SE 1/4 NW 1/4 Unit Letter "F" Section 34.T17S,R28E, Eddy County
Actual legal notice for the publication is in the mail tomorrow to your attention.
Platform express was run on this well and is actually on file with the NMOCD under API# 30-015-31172
We will gather the rest of the requested information and logs.
Thanks
Billy(Bill)E.Prichard
432-934-7680

7006 2150 0002 8216 7214

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Total Postage & Fees	$ $6.58	12/18/2008

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Street, Apt. N or PO Box No
PO Box 460
City, State, Zi
Dexter, NM 88230-0460

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Se
Betty Jane Moore & J Hiram Moore
St or
1150 N Carroll Ave
Ci
Southlake,TX 76092

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OKLAHOMA CITY OK 73112

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7008 1830 0000 5346 4343

Sent To
PITCH ENERGY CORPORATION
Street, or PO
PO BOX 304
City, S
ARTESIA NM 88211

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PO BOX 2197
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Postage	$ $1.68	0634
Certified Fee	$2.70	04
Return Receipt Fee (Endorsement Required)	$2.20	Postmark Here
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total Postage & Fees	$ $6.58	12/18/2008

7006 2150 0002 8216 7270

Sent To
MARBOB ENERGY CORPORATION
Street, or PO
PO BOX 227
City,
ARTESIA NM 88211-0227

PS Form 3800, August 2006 See Reverse for Instructions

Exhibit F

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®
OKLAHOMA CITY OK 73112

OFFICIAL USE

Postage	$ $1.68	0634
Certified Fee	$2.70	04
Return Receipt Fee (Endorsement Required)	$2.20	Postmark Here
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total Postage & Fees	$ $6.58	12/18/2008

7006 2150 0002 8216 7287

Sent To
RKI Exploration & Prod. LLC
3817 NW Expressway
Suite 950
Oklahoma City,OK 73112

PS Form 3800, August 2006 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®
SANTA FE NM 87504

OFFICIAL USE

Postage	$ $1.68	0634
Certified Fee	$2.70	04
Return Receipt Fee (Endorsement Required)	$2.20	Postmark Here
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total Postage & Fees	$ $6.58	12/18/2008

7006 2150 0002 8216 7294

Sent To
New Mexico State Land Office
PO Box 1148
Santa Fe, NM 87504-1148

PS Form 3800, August 2006 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®
ARTESIA NM 88210

OFFICIAL USE

Postage	$ $1.68	0634
Certified Fee	$2.70	04
Return Receipt Fee (Endorsement Required)	$2.20	Postmark Here
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total Postage & Fees	$ $6.58	12/18/2008

7006 2150 0002 8216 7300

Sent To
NMOCD
District 2
1301 W Grand Ave
Artesia,NM 88210

PS Form 3800, August 2006 See Reverse for Instructions

Exhibit F

Geronimo SWD, LLC

Commercial Salt Water Disposals

RECEIVED

2009 JAN 20 PM 1 23

January 15, 2009

Will,

Enclosed are the logs you requested on the Geronimo 34 State Com #1Y in Section 34, T17S, R28E, in Eddy Co. The DLL and DNL are labeled Geronimo State Com #1 but are actually the logs for the #1Y. The Geronimo St Com #1 was drilled down to approx 490' and plugged. (see attach)

Geronimo 34 State Com #1 API# 30-015-31172
Geronimo 34 State Com #1Y API# 30-015-31263

Please let me know if you need anything else.

Thank you.

James B Campanella
Manager/President

P.O. Box 568
611 W Mahone, Suite D
Artesia, NM 88211-0568

Office: (505) 746-1280
Fax: (505) 746-1290
E-Mail: judahoil@yahoo.com

Submit 3 Copies To Appropriate District Office
DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First, Artesia NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO.
30-015-31172

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-949, E-7116, 647 & B-2071

JUL 2000 RECEIVED OCD ARTESIA

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)

7. Lease Name or Unit Agreement Name:
Geronimo "34" State Com

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

2. Name of Operator
Louis Dreyfus Natural Gas Corporation

8. Well No. 1

3. Address of Operator 14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

9. Pool name or Wildcat
Empire; Penn

4. Well Location
Unit letter E : 1700 feet from the North line and 1020 feet from the West line

Section 34 Township 17S Range 28E NMPM Eddy County

10. Elevation *(Show whether DF, RKB, RT, GR, etc.)*
3673'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☒		
OTHER:	☐			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.

Spud 7/19/00. 7/20/00 ran 13 3/8" 54.4 ST&C csg, set at 439.65'. Cemented lead w/180 sks Haliburton Light Premium Plus + 2% cacl. Tail w/200 sks Premium Plus + 2% cacl. Circulated 36 sks to reserve pit. Float held, shut-in, wait on cement 18 hrs. commenced drilling.

7/21/00 ran into hard drilling. 7/22/00 Set 90 sks "C" Neat, plug from 490' - 390', set 10 sks plug @ surface. Prepare to skid rig.

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

SIGNATURE Carla Christian TITLE Regulatory Technician DATE 7/26/00

Type or print name Carla Christian Telephone No. (405) 749-5263

(This space for State use)

APPROVED BY For Record Only BGA TITLE DATE AUG 07 2000

Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office
DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First, Artesia NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

dlf
Form C-103
Revised March 25, 1999

WELL API NO. 30-015-~~21172~~ 31293
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No. E-949, E-7116, 647, B-2071

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)

RECEIVED OCD ARTESIA

7. Lease Name or Unit Agreement Name: Geronimo "34" State Com

1. Type of Well: Oil Well [ ] Gas Well [X] Other

2. Name of Operator: Louis Dreyfus Natural Gas Corporation

8. Well No. 1Y

3. Address of Operator: 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134

9. Pool name or Wildcat: Empire; Penn

4. Well Location
Unit letter E : 1700 feet from the North line and 1038 feet from the West line

Section 34 Township 17S Range 28E NMPM Eddy County

10. Elevation *(Show whether DF, RKB, RT, GR, etc.)* 3673'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[X]		
OTHER:	[ ]			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.

8-20-00 ran 5 1/2", 17# csg set @ 10,591'. Cemented 1st stage lead w/300 sxs Interfill "H", tail w/650 Super "H". Cemented 2nd stage w/780 sxs 50/50 poz. Plug down at 24:00 float held. Rig released, waiting on completion unit.

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

SIGNATURE Carla Christian TITLE Regulatory Technician DATE 8/22/00

Type or print name Carla Christian Telephone No. (405) 749-5263

(This space for State use)

APPROVED BY _____ TITLE _____ DATE OCT 02 2000

Conditions of approval, if any: Recmp Please note Est. TOC. 8d

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 9165	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 9771	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo reef 5595	T. L. Atoka 9890	T. Wingate	T.
T. Wolfcamp 7005	T. Morrow Clastics	T. Chinle	T.
T. Penn	T. 10,158	T. Permian	T.
T. Cisco (Bough C)	T. L. Morrow 10,225	T. Penn "A"	T.
	Chester 10,532		

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

CMD :
OG5SEC2

ONGARD
VIEW LAND BY ULSTR

01/07/09 17:16:52
OGOWVJ -TQ34
PAGE NO: 3

Sec : 34 Twp : 17S Rng : 28E Cnty1 : Eddy
Cnty2 : Cnty3 :

U L	Lot/ Trct	Qtr Qtr	ACREAGE	SRF OWNER	SUB	ACTIVE LEASE #	Bene	REMARKS (may show restrictions codes)
D		NW4NW4	40.00	FE	ST	R1 4434 0000		AMENDED PATENT NO
						R1 4995 0000		
E		SW4NW4	40.00	FE	ST	HB 0001 0001	CS	AMENDED PATENT NO
						R1 4263 0000		
						R1 4717 0000		
						R1 4995 0000		
						R1 8371 0000		
						X0 0647 0364		
F		SE4NW4	40.00	FE	ST	HB 0001 0001	CS	AMENDED PATENT NO
						R1 4717 0000		
						R1 8371 0000		

PF01 HELP PF02 PREV PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

RKI Exploration & Production LLC
3817 NW Expressway, Suite 950, Oklahoma City, OK 73112
405-949-2221 Fax 405-949-2223

December 1, 2008

NMOCD
Attn: SWD Permitting Dept.
1301 W. Grand Avenue
Artesia, NM 88210

Re: Geronimo 34 State Com #1Y
API #3001531293
E-Section 34-17S-28E
Eddy County, NM

Gentlemen:

Regarding the subject well, please be advised that your office will soon receive from Geronimo SWD, LLC ("GSWD") an Application for Authorization to Inject for saltwater disposal purposes. RKI Exploration & Production, LLC ("RKI") is the operator of the subject property and has entered into negotiations with GSWD to sell the subject wellbore to GSWD; accordingly, RKI is aware of and approves GSWD's application.

Should you have any questions or need anything further from RKI, please do not hesitate to contact me by phone at (405) 996-5767 or via email at creid@rkixp.com.

Sincerely,

Cody Reid
Sr. Landman

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, January 07, 2009 5:40 PM
To: 'billy@pwllc.net'
Cc: Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Reeves, Jacqueta, EMNRD; Phillips, Dorothy, EMNRD; Brooks, David K., EMNRD
Subject: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293

Hello Billy:
After reviewing this application; at this time, it appears complete and similar to SWD-710 on a well in Unit N of Sec 34:

However, we have the following items:

1) Please have RKI/Geronimo send (to me here in Santa Fe) a copy of:
   a. The complete Cement Bond Log (Needed to verify the cement top below the DV tool) OK
   b. any mudlog run over this proposed disposal interval; and OK
   c. copies of the electric logs run upon completion in 2000 (there are no logs on the Division's web site for this well) OK
2) Send an estimate of the types of oil field produced waters to be disposed of into this well. OK
3) Send a copy of the actual Newspaper Notice OK
4) Let us know where the "Moores" own minerals or leases in this Area of Review (what tract of land). UNIT F/ 34/17S/28E OK
5) The CIBP will be required just below the bottom of the injection interval (as you have proposed on your diagram).
6) Send the OGRID number for Geronimo SWD, LLC and proof of bonding. OK

Thank You,

William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

Jones, William V., EMNRD

From: billy@pwllc.net
Sent: Friday, January 09, 2009 1:46 PM
To: Jones, William V., EMNRD
Subject: RE: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293
Attachments: GERONIMO WATER.xls

Will, attached is spreadsheet with produced water analysis for several miles around the Geronimo 34 State Com # 1Y. Based on review of other Commercial SWD wells estimated that 90-95% of the water brought to commercial SWD wells is produced water from other leases in the general area. The rest of the fluid will be left over fresh and brine water from kill jobs, cement jobs and stimulation. The spreadsheet should print in landscape. I wil put a hard copy in the mail...
Thanks
Billy(Bill)E. Prichard
432-934-7680
email; billy@pwllc.net

-------- Original Message --------
Subject: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293
From: "Jones, William V., EMNRD" <William.V.Jones@state.nm.us>
Date: Wed, January 07, 2009 5:39 pm
To: <billy@pwllc.net>
Cc: "Ezeanyim, Richard, EMNRD" <richard.ezeanyim@state.nm.us>, "Warnell, Terry G, EMNRD" <TerryG.Warnell@state.nm.us>, "Reeves, Jacqueta, EMNRD" <Jacqueta.Reeves@state.nm.us>, "Phillips, Dorothy, EMNRD" <dorothy.phillips@state.nm.us>, "Brooks, David K., EMNRD" <david.brooks@state.nm.us>

Hello Billy:
After reviewing this application; at this time, it appears complete and similar to SWD-710 on a well in Unit N of Sec 34:

However, we have the following items:

Please have RKI/Geronimo send (to me here in Santa Fe) a copy of:

The complete Cement Bond Log (Needed to verify the cement top below the DV tool)

any mudlog run over this proposed disposal interval; and

copies of the electric logs run upon completion in 2000 (there are no logs on the Division's web site for this well)

Send an estimate of the types of oil field produced waters to be disposed of into this well.

Send a copy of the actual Newspaper Notice

Geronimo SWD, L.L.C
C108(Application for Authorization to Inject)
Geronimo 34 State Com # 001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34, T17S, R28E
Eddy County, NM

Water Samples for Well BOLING 001
API = 3001501652
Formation = ARTES
Field = RED LAKE
Current Water Production Information

Instructions:

Click For general information about this sample. Click For scale calculation pages (Stiff-Davis or Oddo Tomson methods). Click To select **this water sample** for water mixing. It will lead to the main page, and add the sample ID to the mixing table. Click 664 Click the hyperlinked sample number to make a .csv for that sample, **or** select several check boxes and click Submit for multiple samples The ions are in (mg/L) units.

	SampleID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
☐	5376	17S	28E	31	4910	109300	null	575	null	null	null	null

Exhibit C

Water Samples for Well WASHINGTON 33 STATE 024
API = 3001530334
Formation = GLO/Y
Field = ARTESIA
Current Water Production Information

Instructions:

Click For general information about this sample. Click For scale calculation pages (Stiff-Davis or Oddo Tomson methods). Click To select **this water sample** for water mixing. It will lead to the main page, and add the sample ID to the mixing table. Click 664 Click the hyperlinked sample number to make a .csv for that sample, **or** select several check boxes and click Submit for multiple samples The ions are in (mg/L) units.

	SampleID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
☐	3338	17S	28E	33	4741	137940	0	504	368	88542	1928	482

Exhibit C

Water Samples for Well STATE 001
API = 3001501595
Formation = ARTES
Field = ARTESIA
Current Water Production Information

Instructions:

Click For general information about this sample. Click For scale calculation pages (Stiff-Davis or Oddo Tomson methods). Click To select **this water sample** for water mixing. It will lead to the main page, and add the sample ID to the mixing table. Click 664 Click the hyperlinked sample number to make a .csv for that sample, **or** select several check boxes and click Submit for multiple samples The ions are in (mg/L) units.

	SampleID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
☐	5336	17S	28E	28	1044	147300	null	46	null	null	null	null
☐	5361	17S	28E	28	925	143300	null	35	null	null	null	null
☐	5226	17S	28E	28	4500	12800	null	2320	null	null	null	null
☐	5121	17S	28E	28	1030	133800	null	137	null	null	null	null
☐	5213	17S	28E	28	922	137000	null	109	null	null	null	null
☐	5375	17S	28E	28	1162	149300	null	35	null	null	null	null

Exhibit C

Water Analysis from fresh water well in Section 4, T18S, R28E, Eddy Cty, NM

General Information About: Sample 13042 Section/ Township/Range 04 / 18 S / 28 E Lat/Long 32.7763 / -104.1816 Elevation 3640 Depth 145 Date Collected 4/30/1957 Chlorides 6 Collector / Point of Collection USG / YT Use Domestic Formation OAL TDS 0

Water Analysis from fresh water well in Section 7, T18S, R28E, Eddy Cty, NM

General Information About: Sample 9357 Section/ Township/Range 07 / 18 S / 28 E Lat/Long 32.7618 / -104.2159 Elevation 3594 Depth 140 Date Collected 11/23/1988 Chlorides 280 Collector / Point of Collection SEO / DP Use Stock Formation OAL TDS 0

Exhibit E

ATTACHMENT H

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

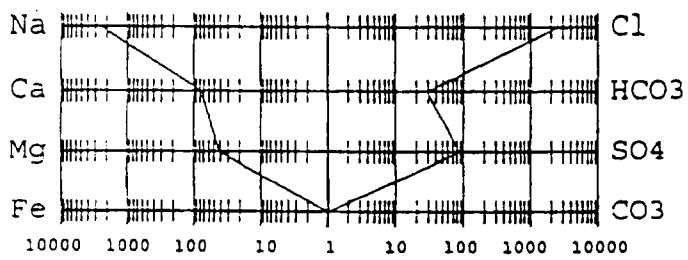
Oil Co. : Devon Energy
Lease : West Red Lake Unit
Well No.: Free-Water Knock-Out
Salesman:

Sample Loc. :
Formation : GRAYBURG-SAN ANDRES
Date Analyzed: 17-June-1996

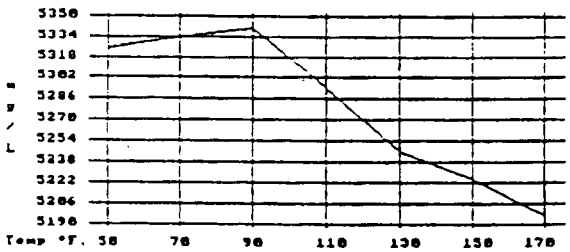
ANALYSIS

1.	pH		6.820		
2.	Specific Gravity 60/60 F.		1.091		
3.	$CaCO_3$ Saturation Index	@ 80 F.	+0.731		
		@ 140 F.	+1.611		
	Dissolved Gasses		**MG/L**	**EQ. WT.**	***MEQ/L**
4.	Hydrogen Sulfide		275		
5.	Carbon Dioxide		200		
6.	Dissolved Oxygen		Not Determined		
	Cations				
7.	Calcium	(Ca^{++})	1,503	/ 20.1 =	74.78
8.	Magnesium	(Mg^{++})	486	/ 12.2 =	39.84
9.	Sodium	(Na^{+}) (Calculated)	55,071	/ 23.0 =	2,394.39
10.	Barium	(Ba^{++})	Not Determined		
	Anions				
11.	Hydroxyl	(OH^{-})	0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)	0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})	1,713	/ 61.1 =	28.04
14.	Sulfate	($SO_4^{=}$)	4,100	/ 48.8 =	84.02
15.	Chloride	(Cl^{-})	84,981	/ 35.5 =	2,393.83
16.	Total Dissolved Solids		147,854		
17.	Total Iron (Fe)		2	/ 18.2 =	0.11
18.	Total Hardness As $CaCO_3$		5,755		
19.	Resistivity @ 75 F. (Calculated)		0.042 /cm.		

LOGARITHMIC WATER PATTERN
*meq/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L.
$Ca(HCO_3)_2$	81.04	28.04	2,272
$CaSO_4$	68.07	46.74	3,182
$CaCl_2$	55.50	0.00	0
$Mg(HCO_3)_2$	73.17	0.00	0
$MgSO_4$	60.19	37.28	2,244
$MgCL_2$	47.62	2.56	122
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	2,391.27	139,794

*Milli Equivalents per Liter

s water is slightly corrosive due to the pH observed on analysis.
corrosivity is increased by the content of mineral salts, and the presence of H2S, CO2 in solution.

Geronimo SWD,LLC
Geronimo 34 State Com #001Y
API # 30-015-31293
1700 FNL X 1038 FWL
UL "E", Section 34,T17S, R28E
Eddy County, New Mexico
Possible pools disposing in Geronimo 34 State Com # 001Y

Pool	Section	Township	Range	TDS	Chlorides
EMPIRE;ABO	27	17S	28E	224062	135900
ARTESIA;QUEEN-GRAYBURG-SAN ANDRES	28	17S	28E	237482	147300
ARTESIA; GLORIETA-YESO	33	17S	28E	206471	137940
EMPIRE; MORROW, SOUTH	31	17S	29E	35148	19800
EMPIRE; GLORIETA-YESO	19	17S	29E	213384	142829
CROW FLATS;MORROW	3	17S	27E	44318	27242
LOGAN DRAW;MORROW	11	17S	27E	8567	4604
RED LAKE;QUEEN-GRAYBURG-SA	3	18S	37E	217737	146435

Data obtained from
http://octane.nmt.edu

Jones, William V., EMNRD

From: Phillips, Dorothy, EMNRD
Sent: Thursday, January 08, 2009 7:51 AM
To: Jones, William V., EMNRD
Subject: RE: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293

I show only one bond for Geronimo SWD LLC OGRID 263684 – 30-015-31293- $16,500 Letter of Credit approved 12/30/08.

From: Jones, William V., EMNRD
Sent: Wednesday, January 07, 2009 5:40 PM
To: billy@pwllc.net
Cc: Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Reeves, Jacqueta, EMNRD; Phillips, Dorothy, EMNRD; Brooks, David K., EMNRD
Subject: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293

Hello Billy:
After reviewing this application; at this time, it appears complete and similar to SWD-710 on a well in Unit N of Sec 34:

However, we have the following items:

1) Please have RKI/Geronimo send (to me here in Santa Fe) a copy of:
   a. The complete Cement Bond Log (Needed to verify the cement top below the DV tool)
   b. any mudlog run over this proposed disposal interval; and
   c. copies of the electric logs run upon completion in 2000 (there are no logs on the Division's web site for this well)

2) Send an estimate of the types of oil field produced waters to be disposed of into this well.

3) Send a copy of the actual Newspaper Notice

4) Let us know where the "Moores" own minerals or leases in this Area of Review (what tract of land).

5) The CIBP will be required just below the bottom of the injection interval (as you have proposed on your diagram).

6) Send the OGRID number for Geronimo SWD, LLC and proof of bonding.

Thank You,

William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Thursday, January 08, 2009 8:57 AM
To: 'billy@pwllc.net'
Subject: RE: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293

Thanks Billy:
Do I have the wrong API number?
If there is a problem with logs under the wrong API, is this being corrected?
Be sure and send a copy of the Cement Bond Log here. I can forward it to Hobbs for scanning later.

William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

From: billy@pwllc.net [mailto:billy@pwllc.net]
Sent: Wednesday, January 07, 2009 6:58 PM
To: Jones, William V., EMNRD
Cc: Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Reeves, Jacqueta, EMNRD; Phillips, Dorothy, EMNRD; Brooks, David K., EMNRD
Subject: RE: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293

Will, Here is part of additional info requested.
Geronimo SWD, LLC Ogrid # 263684. Dorothy should have the bonding information.
Moores are the lessee of record with the NMSLO for 40 acres - SE 1/4 NW 1/4 Unit Letter "F" Section 34.T17S,R28E, Eddy County
Actual legal notice for the publication is in the mail tomorrow to your attention.
Platform express was run on this well and is actually on file with the NMOCD under API# 30-015-31172
We will gather the rest of the requested information and logs.
Thanks
Billy(Bill)E.Prichard
432-934-7680

-------- Original Message --------
Subject: Disposal Application on behalf of Geronimo SWD, LLC: Geronimo 34 State Com #1Y 30-015-31293
From: "Jones, William V., EMNRD" <William.V.Jones@state.nm.us>
Date: Wed, January 07, 2009 5:39 pm
To: <billy@pwllc.net>
Cc: "Ezeanyim, Richard, EMNRD" <richard.ezeanyim@state.nm.us>, "Warnell, Terry G, EMNRD" <TerryG.Warnell@state.nm.us>, "Reeves, Jacqueta, EMNRD" <Jacqueta.Reeves@state.nm.us>, "Phillips, Dorothy, EMNRD" <dorothy.phillips@state.nm.us>, "Brooks, David K., EMNRD" <david.brooks@state.nm.us>

Hello Billy:
After reviewing this application; at this time, it appears complete and similar to SWD-710 on a well in Unit N of Sec 34:

However, we have the following items:

Please have RKI/Geronimo send (to me here in Santa Fe) a copy of:

Pueblo West
Oilfield Consulting Service

RECEIVED
2008 DEC 22 PM 12 50

December 18, 2008

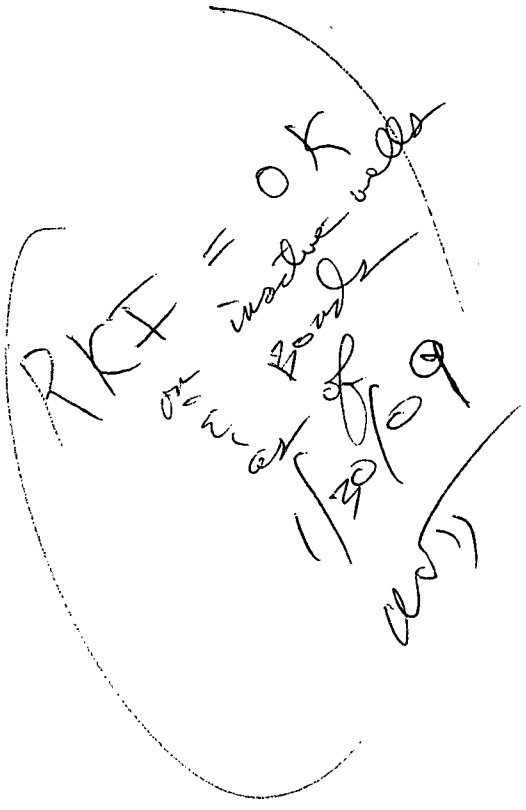
New Mexico Oil Conservation Division
Engineering Bureau
1220 South St. Francis Drive
Santa Fe, NM 87505

To Whom It May Concern:
Please find enclosed form C108 for Geronimo SWD,LLC. Geronimo has posted a single well bond and is applying for an Ogrid # from Dorothy Phillips. Enclosed find a letter from RKI Exploration & Production LLC (Ogrid # 246289) regarding the wellbore of the Geronimo 34 State Com #001Y (API # 30-015-31293). Geronimo and RKI will file a change of operator on the approval of the SWD permit application. Should you have any questions or need anything further, please do not hesitate to contact me by phone or via email at billy@pwllc.net

Sincerely,

Billy E. Prichard

Billy(Bill)E.Prichard
125 Greathouse Village
Decatur, TX 76234
432-934-7680 cell
940-627-5449 fax
Email; billy@pwllc.net



Injection Permit Checklist (7/8/08)

Case ____ R-____ /SWD 1159 WFX____ PMX____ IPI____ Permit Date ____ UIC Qtr ____

Wells ___ Well Name: Geronimo 34 State Com # 1Y

API Num: (30-) 015-31293 Spud Date: 7/25/2000 New/Old: N (UIC primacy-March 7, 1982)

Footages 1700 FNL/1038 FWL Unit E Sec 34 Tsp 17S Rge 28E County EDDY

Operator: ~~RKI Exploration & Production LLC~~ Geronimo SWD LLC Contact ~~Bill E. Prichard~~ Blaise Camporella

OGRID: 246289 RULE 40 Compliance (Wells)____ (Finan Assur)____

Operator Address: 3817 NW Expressway, Suite 950, OKC, OK, 73112 P.O. Box 568, Artesia NM 88210

Current Status of Well: SI: Travis Upper Penn oil Empire Penn Gas C 6,291-10,303 Devil 8370-8390

Planned Work to Well: Commercial SWD in Cisco Planned Tubing Size/Depth: 2 7/8 @ 7,650'

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing ✓ Surface	17 1/2 13 3/8	443	100+200	Calc To Surface
Existing Intermediate	12 1/4 9 5/8	2666	750+200	CIRC
Existing Long String	8 3/4 5 1/2	10591	950/780	2300' CBL

DV Tool 5482 Liner ____ Open Hole ____ Total Depth ____ PBTD Will Set CIBP @ 9150

Well File Reviewed ✓

Diagrams: Before Conversion ✓ After Conversion ✓ Elogs in Imaging File: None (need CBL also)

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	7005	Abo w/c	
Injection..... Interval TOP:	7700	Wolfcamp Cisco Canyon	
Injection..... Interval BOTTOM:	9070'		
Below (Name and Top)	9165	STRAWN	

1540 PSI Max. WHIP

No Open Hole (Y/N)

No Deviated Hole?

Sensitive Areas: ~~Capitan Reef~~ ~~Cliff House~~ Salt Depths ____

~~Potash Area (R-111-P)~~ ~~Potash Lessee~~ ~~Noticed?~~

Fresh Water: Depths: 0544 Wells(Y/N) No Analysis Included (Y/N): Yes Affirmative Statement ✓

Salt Water: Injection Water Types: ____ Analysis? ____

Injection Interval.....Water Analysis: ✓ Hydrocarbon Potential Depleted

~~Production Potential~~ ✓

Notice: Newspaper(Y/N) ____ Surface Owner BOGLE LTD C LLC Mineral Owner(s) ____

RULE 701B(2) Affected Parties: RKI / Marbob / DOM / BP / OXY / BJ Munn / Lobo / Pitch / COG CHOG's State Minerals / Fee Surface

Area of Review: Adequate Map (Y/N) ✓ and Well List (Y/N) ✓

Active Wells 2 Num Repairs 0 Producing in Injection Interval in AOR No

P&A Wells 0 Num Repairs 0 All Wellbore Diagrams Included? ____

Questions to be Answered:

CBL?

~~TOC~~ ~~Potential~~ Empire Penn Gas = what zone?

Required Work on This Well: ____ Request Sent ____ Reply: ____

AOR Repairs Needed: ____ Request Sent ____ Reply: ____

Set CIBP within 200 Request Sent ____ Reply: ____

Extent of THIS = 7206 None

No Geronimo Bond on OGRID Yet