STATE OF NEW MEXICO
ENERGY, MINERALS AND NATUR.
RESOURCES DEPARTMENT

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

FORM C-108
Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: C W TRAINER

ADDRESS: PO BOX 754, MIDLAND, TX 79702

CONTACT PARTY: PERRY L. HUGHES, PETROLEUM ENGINEER PHONE: 505-885-5433

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: Perry L Hughes TITLE: Agent

SIGNATURE: Perry L Hughes DATE: 2/25/02

* 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

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

ATTACHMENT TO OCD FORM C-108

C W TRAINER
STATE GA #6

I. Purpose - Application is made for authorization to dispose of produced water into the San Andres and Glorieta formations.

II. Operator - C W Trainer

III. Injection Well Data - The required well data and schematic diagram of the State GA #6 well is enclosed as Exhibit "B"., Page 1. Page 2 of Exhibit "B" is the proposed procedure for conversion of the State GA #6 for produced water disposal.

IV. This is not an expansion of an existing project.

V. Maps - The attached Exhibit "A" identify the proposed disposal well, the Area of Review within one-half mile of the proposed disposal well, and all wells and leases within two miles of the proposed disposal well.

VI. Well Data - The well data for the wells within the Area of Review is attached as Exhibit "C" and the well data and schematic diagrams for all plugged and abandoned well bores within the Area of Review are attached as Exhibit "D".

VII. Proposed Operations:

1. Proposed average daily injection rate - 1000 BWPD
   Proposed maximum daily injection rate - 2000 BWPD
2. A closed system will be maintained.
3. An average injection pressure of approximately 1500 psi is anticipated. The maximum injection pressure will be subject to the injection pressure authorized by the Oil Conservation Division.
4. The proposed injection fluid will consist of water produced by C W Trainer wells from the Devonian formation injected into the San Andres and Glorieta formations.

5. It is believed that the San Andres and Glorieta are not productive within one mile of the proposed injection well. Compatability problems should not occur.

VIII. Geological Data - The proposed injection interval is in the San Andres and Glorieta formations at a depth of approximately 4749 to 6230 feet. The San Andres and Glorieta are primarily dolomite. Fresh water from the Ogalala Formation extends down to approximately 250'.

IX. Stimulation - Small acid treatments of about 2000 gallons 15% NEFE.

X. Logging Data - The available logs are those on file with the Oil Conservation Division from the original operator of the well. See Exhibit "F" attached.

XI. Fresh Water Wells - Fresh water wells exist within one mile of the proposed disposal well. Analysis of samples from two fresh water wells is attached as Exhibit "G", along with a sketch showing well locations.

XII. Affirmative Statement - An affirmative statement of examination is attached Exhibit "E".

XIII. Proof of Notice - Copies of this C-108 Application have been mailed to the surface owner and each leasehold operator within one-half mile of the proposed disposal well hereafter listed. An affidavit of such notice is attached Exhibit "H". Copies of the return receipts will be furnished upon receipt.

Surface Owner:	U.S. Alexander
Leasehole Operators:	Chesapeake Operating, Inc. Fasken Oil & Ranch, Ltd.

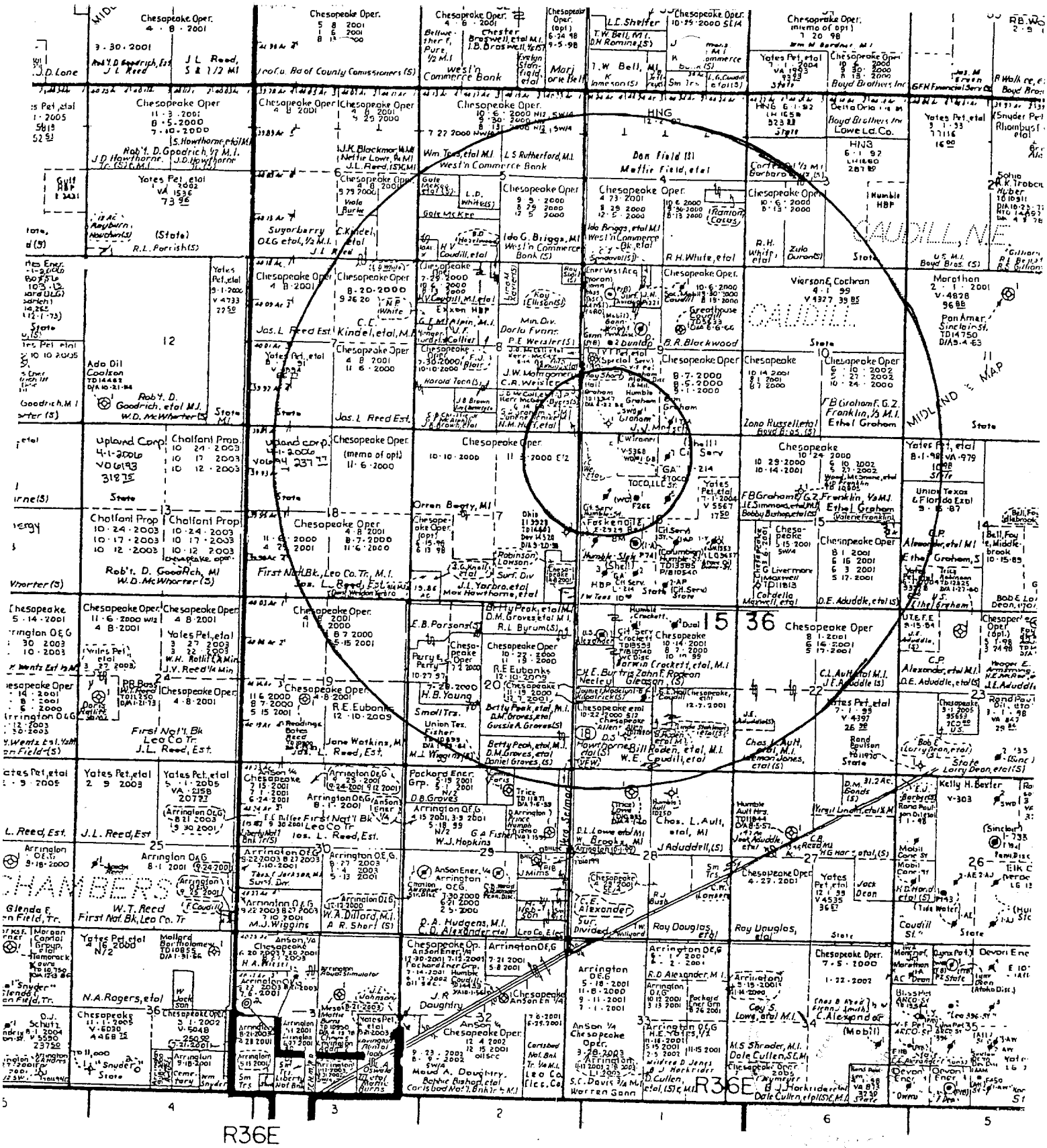


EXHIBIT "A"

Map showing all wells within
1/2 mile radius and 2 mile radius

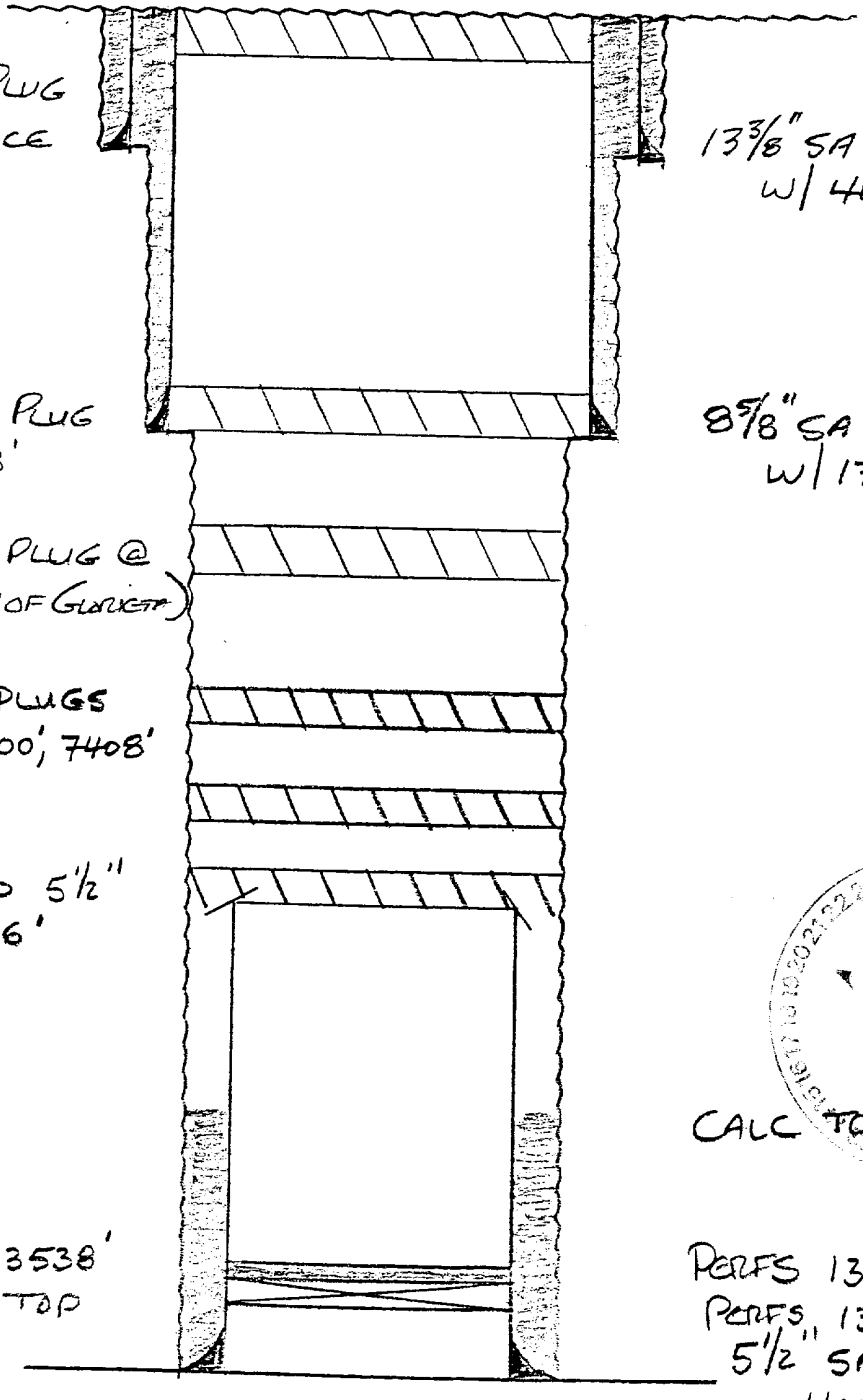
LEGEND

- CO_2 Wells Not Shown
- Wildcat Below 5000' or Discovery
- Location
- Abandoned Producer
- Complete — Producing Oil
- Completed — Producing Gas
- Dry & Abandoned

Exhibit "B"

Diagram of State GA #6

C W TRAINER
(HILL OIL COMPANY)
STATE GA #6
660' FNL & 990' FWL, UNIT "D"
SEC 16, T15S R36E
LEA COUNTY, NM
DRILLED 11/9/55, P&A 1/20/67
PRESENT STATUE



SET 10 SX PLUG @ SURFACE

13 3/8" SA 352' IN 17 1/4" HOLE W/ 400 SX - CIRC

SET 25 SX PLUG @ 4748'

8 5/8" SA 4749' IN 11" HOLE W/ 1700 SX - CIRC

SET 25 SX PLUG @ 6146' (TOP OF GLORIETA)

SET 25 SX PLUGS @ 9006', 8100', 7408'

CUT & PULLED 5 1/2" FROM 9006'

RECEIVED
MAR 2002
Hobbs OCD

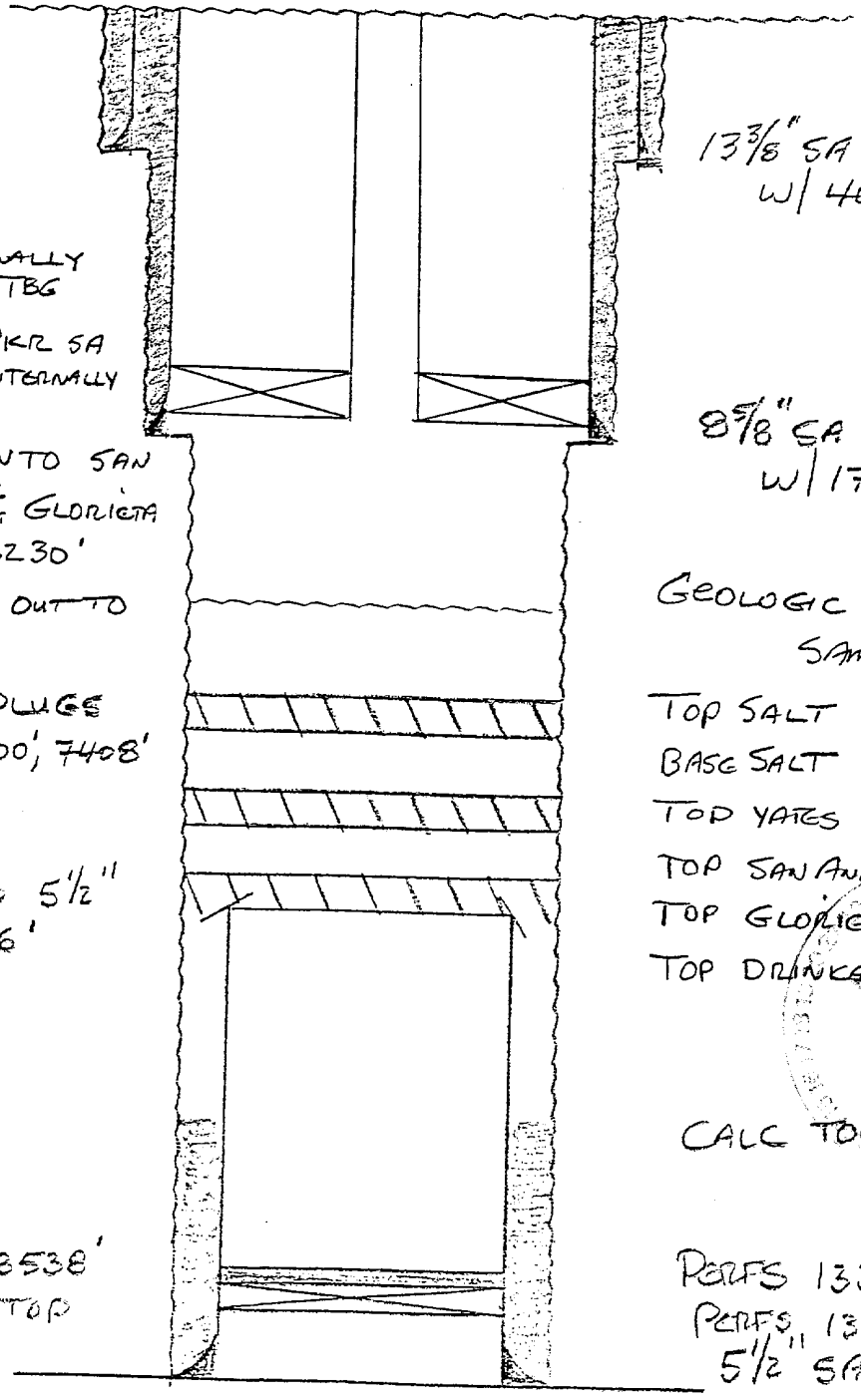
CALC TOC 12,159'

SET CIBP @ 13538' W/ CMT ON TOP

PERFS 13370'-13510' OA
PERFS 13548-13606' OA
5 1/2" SA 13682 IN 7 7/8" HOLE W/ 200 SX

2/6/02

~~W~~ HAINEL
(SHELL OIL COMPANY)
STATE EA #6
660' FNL & 990' FWL, UNIT "D"
SEC 16, T15S R36E
LEA COUNTY, NM
DRILLED 11/9/55, P&A 1/20/67
PROPOSED COMPLETION



13 3/8" SA 352' IN 17 1/4" HOLE W/ 400 SX - CIRC

2 7/8" INTERNALLY COATED TBG

MODEL "R" PKR SA 4675' (INTERNALLY COATED)

DISPOSAL INTO SAN ANDRES & GLORIETA 4749' — 6230'

8 5/8" SA 4749' IN 11" HOLE W/ 1700 SX - CIRC

HOLE CLEANED OUT TO 6230'

GEOLOGIC TOPS BY LOGS/SAMPLES

SET 25 SX PLUGS @ 9006', 8100', 7408'

TOP SALT	2175'
BASE SALT	2900'
TOP YATES	3080'
TOP SAN ANDRES	4655'
TOP GLORIETA	6141'
TOP DRINKARD	7408'

CUT & PULLED 5 1/2" FROM 9006'

CALC TOC 12159'

SET CIBP @ 13538' W/ CMT ON TOP

PERFS 13370'-13510' OA
PERFS 13548-13606' OA
5 1/2" SA 13682 IN 7 7/8" HOLE W/ 200 SX

ld 2/6/02

Exhibit "C" Data on Wells in Area of Review

Attachment to Form C-108 Application for Authorization to Inject

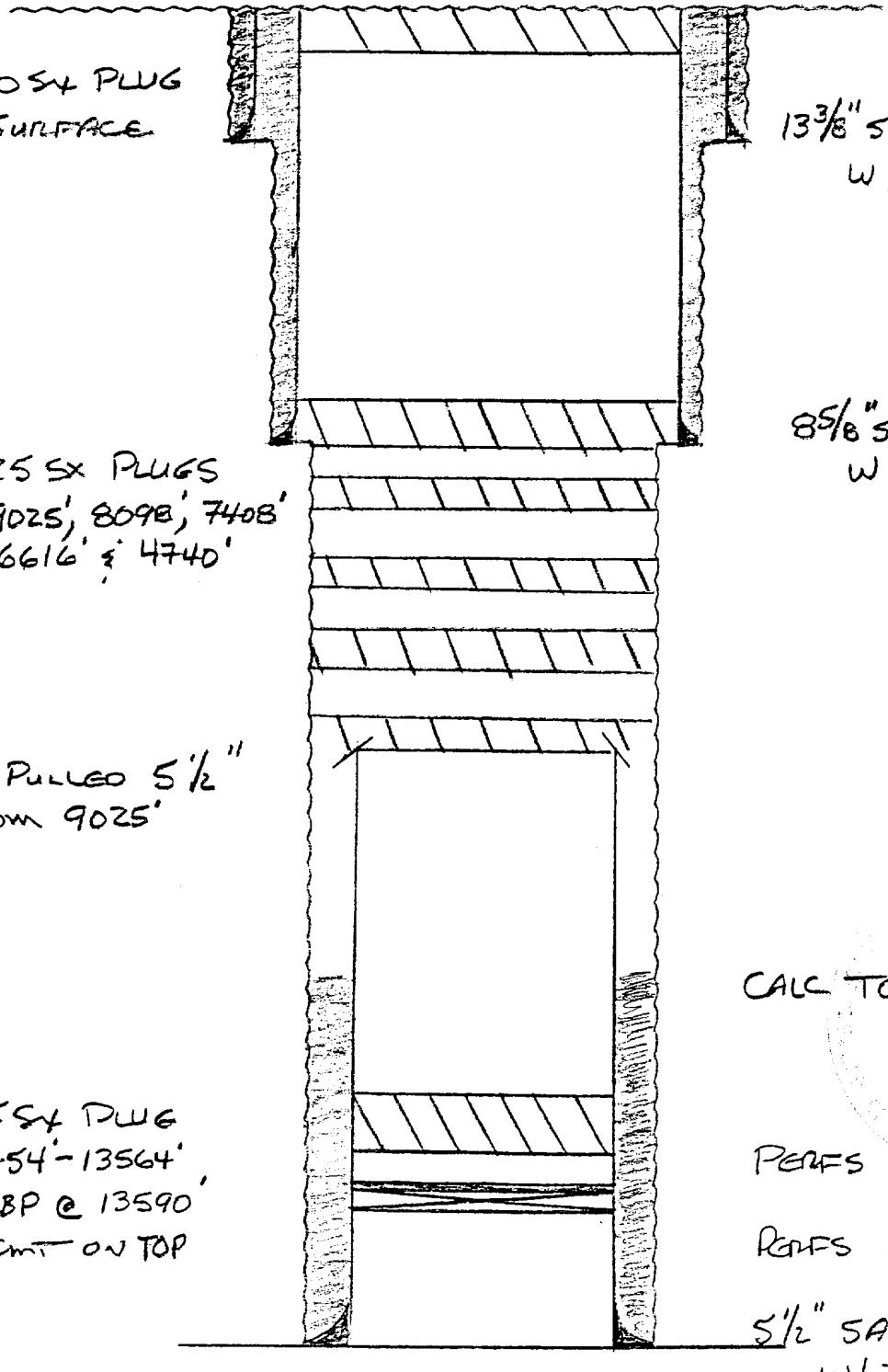
State GA Well No. 6, Unit D, Section 16, T15S, R36E, Lea County, New Mexico

Operator/Well	Status Present(Orig)	Date Drilled	Date P & A	Location	Hole Size	Casing Size	Construction Depth	Construction Sx Cmt	Construction TOC	Total Depth	Completion/ Injection Zone
C W Trainer (Shell)	P & A (Oil)	11/09/55	01/20/67	660' FNL & 990' FWL (Unit D)	17 1/4"	13 3/8"	352'	400	Circ	13682'	Devonian
State GA #6	To Be Injector			Section 16, T15S, R36E	11"	8 5/8"	4749'	1700	Circ		San Andres/
					7 7/8"	5 1/2"	13682'	200	12159' *		Glorieta
Columbian Carbon Co.	P & A (DH)	06/22/56	03/05/59	990' FWL & 330' FSL (Unit M)	17 1/4"	13 3/8"	320'	300	Circ		
Graham #1				Section 9, T15S, R36E	11"	8 5/8"	4750'	500	2431' *	13547'	None
					7 7/8"						
Sunray Oil Co.	P & A (Oil)	02/24/56	05/21/75	2310' FEL & 330' FSL &Unit O)	17 1/2"	13 3/8"	374'	400	Circ	13631'	Devonian
JO Graham #1				Section 9, T15S, R36E	11"	8 5/8"	4749'	2300	Circ (?)		
					7 7/8"	5 1/2"	13630'	450	10202' *		
Shell Oil Co.	P & A (Oil)	01/28/56	07/06/65	660' FNL & 2310' FEL (Unit B)	17 1/4"	13 3/8"	353'	400	Circ	13630'	Devonian/
State GA #7				Section 16, T15S, R36E	11"	8 5/8"	4749'	1650	Circ		Wolfcamp
					7 7/8"	5 1/2"	13629'	250	11725' *		
C W Trainer (Shell)	Prod. (Oil)	08/24/55	-	660' FNL & 1988' FWL (Unit C)	17 1/2"	13 3/8"	354'	350	Circ	13674'	Devonian
State GB #1				Section 16, T15S, R36E	11"	8 5/8"	4748'	2200	Circ		
					7 7/8"	5 1/2"	13674'	200	12151' *		
Shell Oil Co.	P & A (Oil)	08/01/55	01/13/67	1980' FNL & 990' FWL (Unit E)	17 1/4"	13 3/8"	336'	400	Circ	13700'	Devonian
State GA #4				Section 16, T15S, R36E	11"	8 5/8"	4730'	1700	Circ		
					7 7/8"	5 1/2"	13700'	300	11415' *		
Shell Oil Co.	P & A (Oil)	10/01/55	08/17/64	1980' FNL & 2310' FEL (Unit G)	17 1/4"	13 3/8"	338'	400	Circ	13656'	Devonian/
State GA #5				Section 16, T15S, R36E	11"	8 5/8"	4747'	2700	Circ		Wolfcamp
					7 7/8"	5 1/2"	13656'	200	12134' *		
Allen K. Trobank (Shell)	Prod. (Oil)	05/01/55	-	1980' FNL & 1980' FWL (Unit F)	17 1/2"	13 3/8"	353'	400	Circ	14079'	Devonian
State GA #1				Section 16, T15S, R36E	11"	8 5/8"	4738'	1750	Circ		
					7 3/4"	5 1/2"	14078'	1250	3931' *		
H & M Disposal (Humble Oil)	Disposal (Oil)	02/23/56	-	660' FSL & 1980' FWL (Unit N)	17 1/2"	11 3/4"	311'	350	Circ	13600'	Devonian
Mayne Graham #1	Devonian			Section 9, T15S, R36E	11"	8 5/8"	4900'	2500	Circ	deepen to 13864 (OH)	
					7 7/8"	5 1/2"	13600'	1370	800' temp survey		
* **Calculated**								330	Circ to surface		

Exhibit D

P & A Wellbore Diagrams

SHELL OIL COMPANY
STATE GA #4
1980' FNL & 990' FWL, UNIT "E"
SEC 16, T15S R36E
LEA COUNTY, NM
DRILLED 8/1/55, P&A 1/13/67



SET 10 SX PLUG @ SURFACE

13 3/8" SA 336' IN 17 1/4" HOLE W/ 400 SX - CIRC

8 5/8" SA 4739' IN 11" HOLE W/ 1700 SX - CIRC

SET 25 SX PLUGS @ 9025', 8098', 7408' 6616' & 4740'

CUT & PULLED 5 1/2" FROM 9025'

CALC TOC 11415'

SET 25 SX PLUG 13454'-13564'

SET CIBP @ 13590' W/ CMT ON TOP

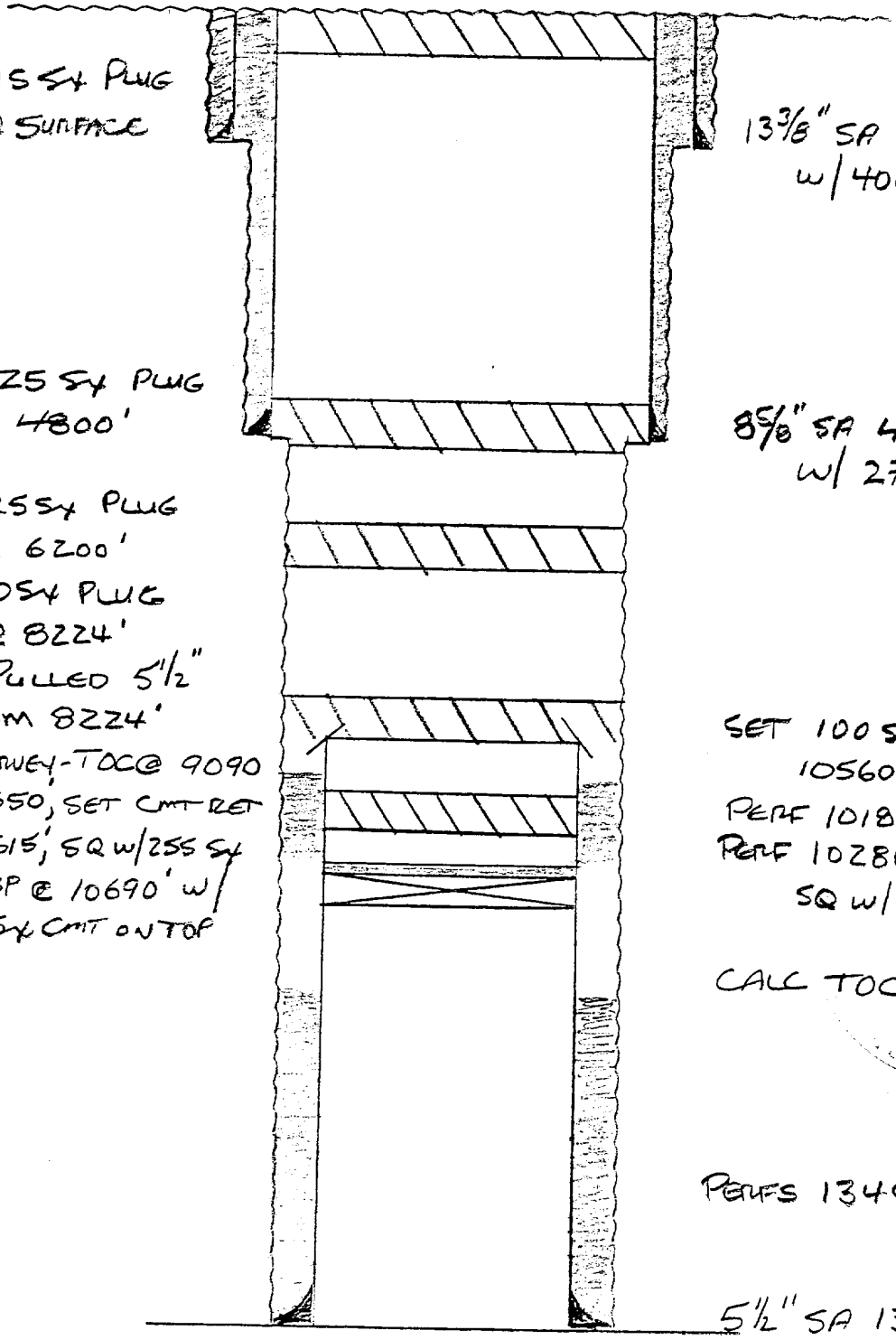
PERFS 13454-13564' OA

PERFS 13614-13624' OA

5 1/2" SA 13700' IN 7 7/8" HOLE W/ 300 SX

2/6/02

SHELL OIL COMPANY
STATE GA # 5
1980' FNL & 2310' FEL, UNIT "G"
SEC 16, T15S R36E
LEA COUNTY, NM
DRILLED 10/1/55, P&A 6/17/64



SET 15 SX PLUG @ SURFACE

13 3/8" SA 338' IN 17 1/4" HOLE W/ 400 SX — CIRC

SET 25 SX PLUG @ 4800'

8 5/8" SA 4747' IN 11" HOLE W/ 2700 SX - CIRC.

SET 25 SX PLUG @ 6200'

SET 50 SX PLUG @ 8224'

CUT & PULLED 5 1/2" FROM 8224'

TEMP SURVEY - TOC @ 9090

PERF 10650, SET CMT RET AT 10615', SQ W/ 255 SX

SET CIBP @ 10690' W/ 2 SX CMT ON TOP

SET 100 SX PLUG FROM 10560 - 10189'

PERF 10189' - 10204' OA

PERF 10286 - 10548' OA

SQ W/ 150 SX

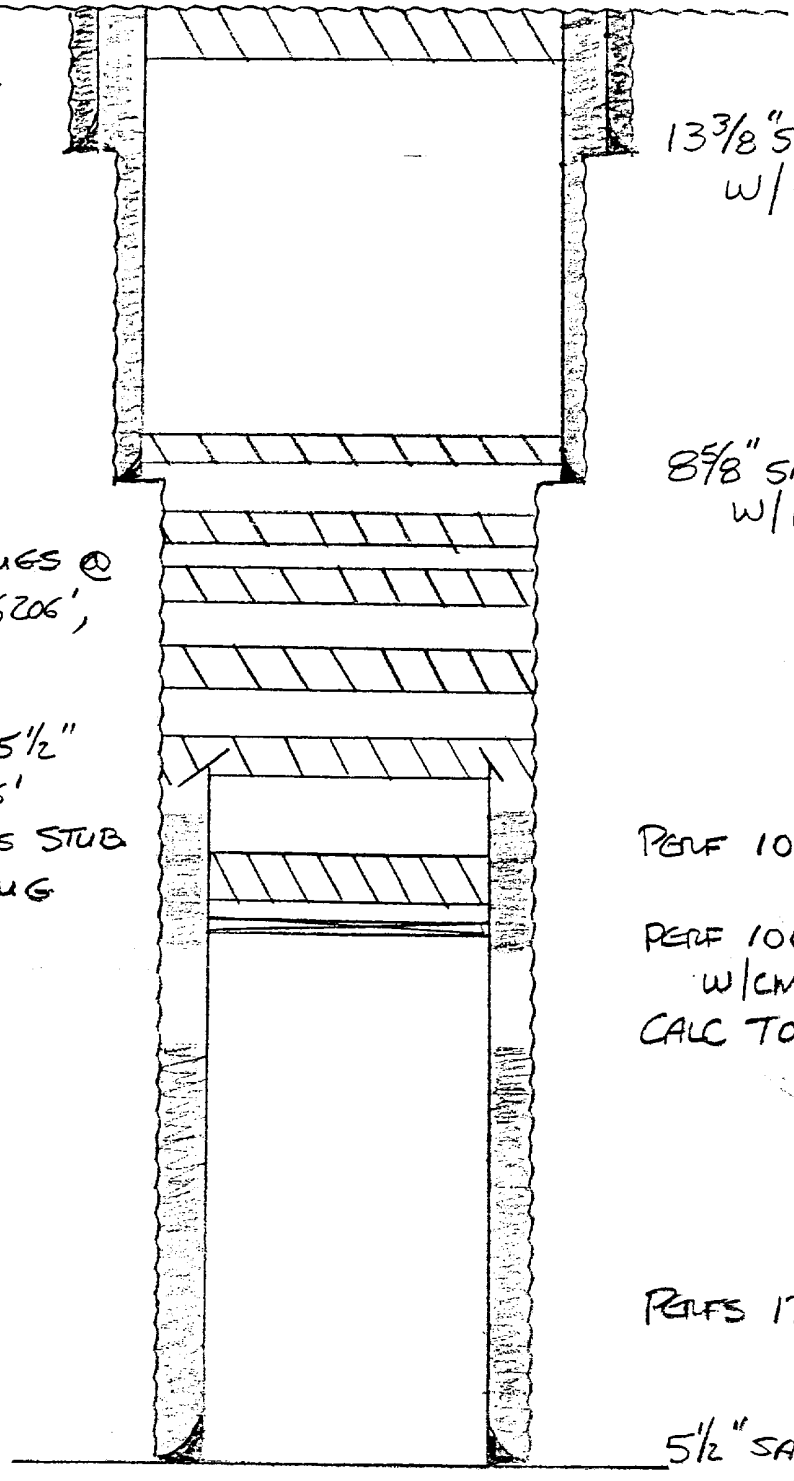
CALC TOC 12134'

PERFS 13496' - 13560' OA

5 1/2" SA 13656' IN 7 7/8 HOL W/ 200 SX

H 2/6/02

SHELL OIL COMPANY
STATE GA # 7
660' FNL & 2310' FEL, UNIT B
SEC. 16, T15S R36E
LEA CO., NM
DRILLED 1/28/56, P&A 7/6/65



SET 10 SX PLUG AT SURFACE

13 3/8" SA 353' IN 17 1/4" HOLE W/ 400 SX - CIRC

8 5/8" SA 4749' IN 11" HOLE W/ 1650 SX - CIRC

SET 25 SX PLUGS @ 8118', 7409', 6206', 4740'

CUT & PULLED 5 1/2" FROM 9015'
SET 25 SX ACROSS STUB
SET 125 SX PLUG OVER PERFS

PERF 10190' - 10531' OA

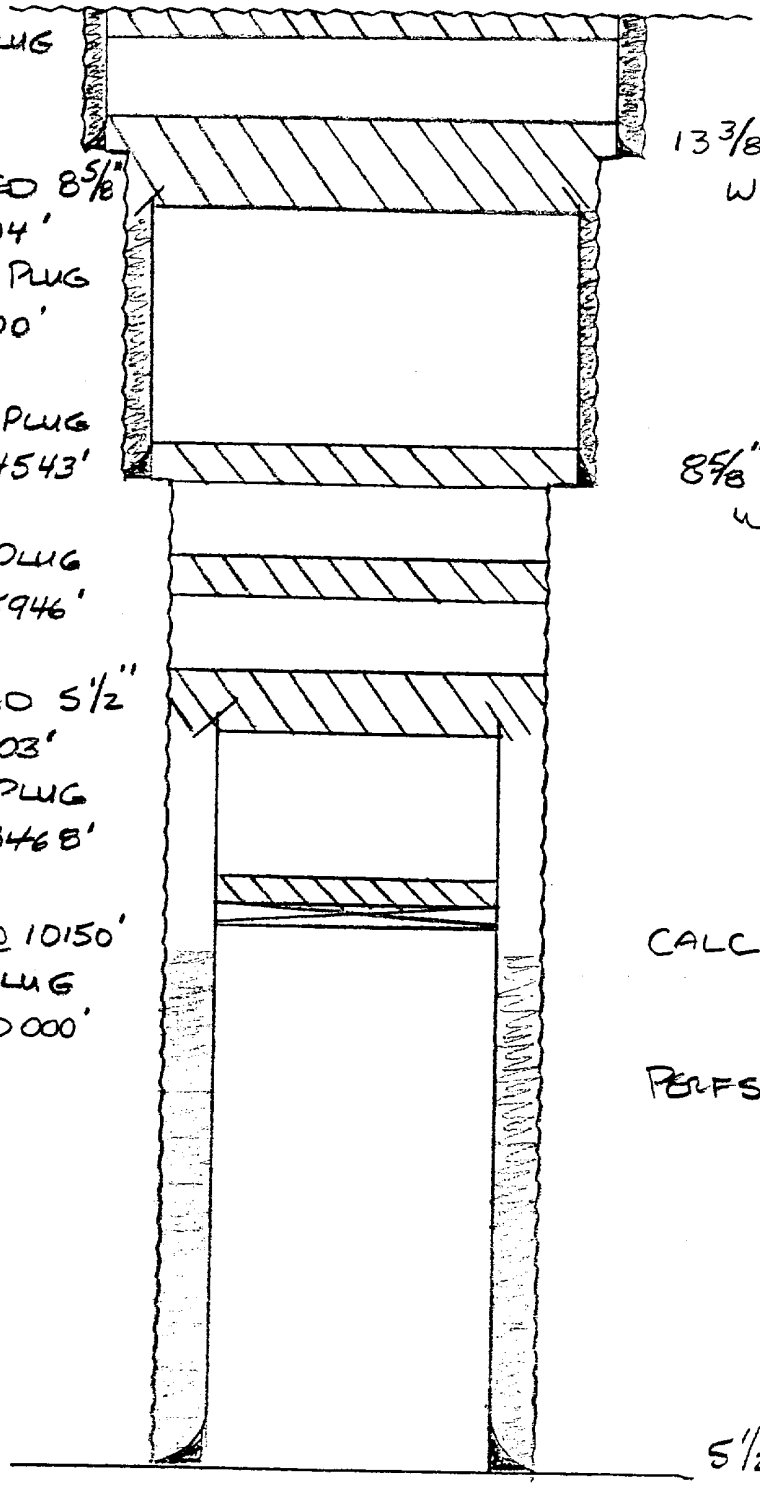
PERF 10600' SQ W/ 175 SX W/ CMT RET. SA 10560'
CALC TOC 11725'

PERFS 13495' - 13570' OA

5 1/2" SA 13630' IN 7 7/8" HOLE W/ 250 SX

H 2/6/02

SUNRAY MC OIL CO.
J D GRAHAM #1
2310' FEL & 330' FSL, UNIT O
SEC. 9 T 15S R 35E
LEA COUNTY, NM
DRILLED 2/24/56, P&A 5/21/75



SET 20 SX PLUG
60'-0'

CUT & PULLED 8 5/8"
FROM 504'
SET 125 SX PLUG
543'-300'

SET 60 SX PLUG
4749'-4543'

SET 50 SX PLUG
6124'-5946'

CUT & PULLED 5 1/2"
FROM 8603'
SET 40 SX PLUG
8620'-8468'

SET CIBP @ 10150'
SET 15 SX PLUG
10150'-10000'

13 3/8" SA 374' IN 17 1/2" HOLE
W/ 400 SX - CIRC

8 5/8" SA 4749' IN 11" HOLE
W/ 2300 SX - CIRC (?)

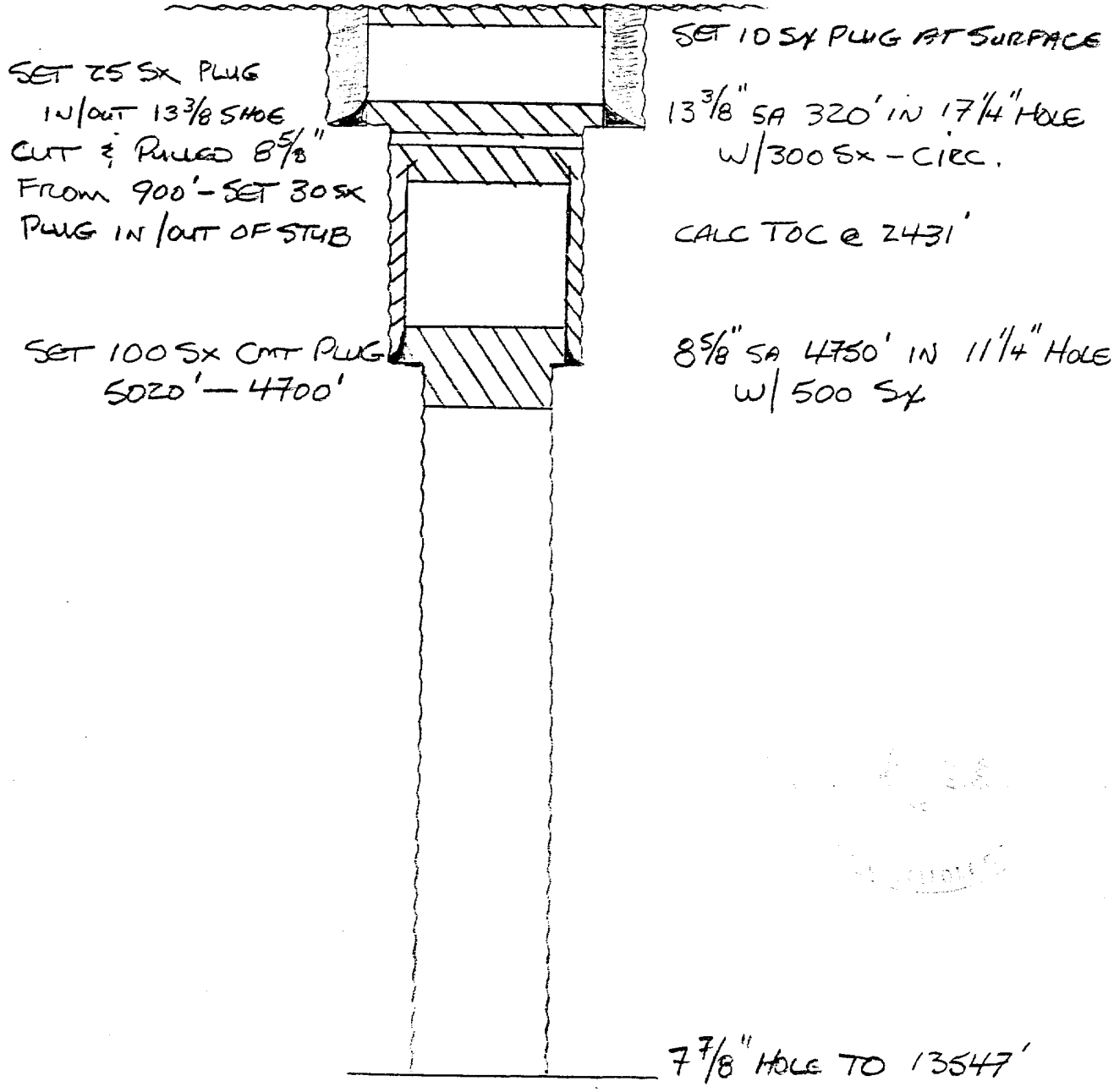
CALC TOC 10202'

PERFS 10204'-13566' OA

5 1/2" SA 13630' IN 7 7/8"
HOLE W/ 450 SX

W 2/5/02

COLUMBIAN CARBON CO.
(G E HALL)
M. GRAHAM #1
990' FWL & 330' FSL, UNIT M
SEC 9 T15S R36E
LEA COUNTY, NM
DRILLED 6/22/56 D&A 3/5/59



4/2/5/02

Perry L. Hughes

Petroleum Engineer

207 W. McKay • Carlsbad, NM 88220 • 505-885-5433

Affirmative Statement
Exhibit "E"

I have examined the available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any undergvround sources of drinking water.

Perry L. Hughes
Petroleum Engineer

2/25/02
Date

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

Electrical Log

COMPANY SHELL OIL CO.

WELL STATE GA # 6

FIELD CAUDILL Devonian ES (ML-GRN)

LOCATION SEC. 16-15S-36E

COUNTY LEA

STATE NEW MEXICO

Location of Well: 660' f NL, 990' f WL, Sec. 16-15S-36E

Elevation: D.F. 3924, K.B. ____, or G.L. ____

FILING No. ____

COUNTY Lea — FIELD or LOCATION Caudill — WELL State GA # 6 — COMPANY Shell Oil Co.

RUN No.	1	2	3					
Date	9-13-55	10-5-55	11-1-55					
First Reading	10433	12217	13678					
Last Reading	4750	10433	12217					
Feet Measured	5683	1784	1461					
Csg. Schlum.	4750	4750	4750					
Csg. Driller	4749	4749	4749					
Depth Reached	10436	12220	13681					
Bottom Driller	10434	12217	13670					
Depth Datum	RDB 13' Abv. GL							
Mud Not.	Chemicals Gel		Water 4% Oil Chemical					
" Density	9.5	9.5	9.5					
" Viscosity	41	52	68					
" Resist.	.98 @ 88 °F	9@ 85°F	1.2@68 °F	@ °F	@ °F			
" Res. BHT	.54 @ 158F	.4@181°F	.44@190°F	@ °F	@ °F			
" pH	10 @ °F	12 @ °F	11 @ °F	@ °F	@ °F			
" Wtr. Loss	8.4 CC 30 min.	5.6 CC 30 min.	5.4 CC 30 min.	CC 30 min.	CC 30 min.			
Max. Temp. °F	158	181	190					
Bit Size	7 7/8"	7 7/8"	7 7/8"					
Spcgs.—AM	10"	10"	10"					
AO'	32"LS	32"LS	32"LS					
AO	19'	19'	19'					
Opr. Rig Time	2 Hrs.	2 Hrs.	2 Hrs.					
Truck No.	1758-Hobbs	1762-Hobbs	1760					
Recorded By	Winkler	Reinder	Maxwell					
Witnessed By	Essary	Essary	Essary					

REMARKS

GR: 840 - 200 - 100(20.0)
Log:sens. 140; TC1.4; speed 2000' & 4000'/ Hr

THIS IS NOT A COMPLETE REPRODUCTION OF THE ORIGINAL LOG.

COMPLETION RECORD

SPUD DATE COMP DATE

DST RECORD

PROPERTY OF Permian Association, Inc. ROSWELL, N.M. 88201

Jack L. McClellan P. O. Box 833 Roswell, New Mexico

CASING RECORD

PERFORATING RECORD

ACID. FRAC SHOT

I P

GOR GR

Dallas, Texas

REFERENCE Nº A 4411 -B

duplicate card

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

SIMULTANEOUS

Gamma Ray-Neutron

COMPANY SHELL OIL CO.

WELL STATE GA # 6

FIELD CAUDILL Devonian

LOCATION SEC. 16-15S-36E

COUNTY LEA

STATE NEW MEXICO

Location of Well: 660' f NL, 990' f WL, Sec. 16-15S-36E

GRN (ES-ML)

Elevation: D.F. 3924, K.B. ____, or G.L. ____

FILING No. ____

COUNTY Lea — FIELD or LOCATION Caudill — WELL State GA # 6 — COMPANY Shell Oil Co.

FOLD HERE

RUN NO.								
Date	11-1-55							
Depth Reference	KB 13' Abv. GL							
First Reading	13680							
Last Reading	0							
Footage Measured	13680							
Max. Depth Reached	13681							
Bottom Driller	13670							
Maximum Temp. F.	190							
Mud: Nature	Water-4% Oil Chemicals							
" Density	9.5							
" Viscosity	68							
" Resistivity	1.2@ 68 °F.			@ °F.				
Casing Size & 1	8 5/8"	to 4749		to				
Weight 2		to		to				
Open Hole 1	7 7/8"	to TD		to				
2		to		to				
Fluid Level	79'							
Recording Speed (ft/hr)	2000 & 4000							
Sensitivity Top	GR)	140	N) 280 400	GR)		N)		
Time Constant		.4	.4					
Panel	GNP+B # 47							
Opr. Rig Time	4½ Hrs.							
Sonde Size & Type	3 5/8							
Truck No.	1760-Hobbs							
Observer	Maxwell							

REMARKS: CALIBRATION	BACKGROUND CPS	TEST SOURCE CPS	GALV. INCREASE DIVISIONS	PANEL SENS TAP.
GAMMA RAY	40	200	100	200
NEUTRON		240	100	400

PROPERTY OF Permian Association, Inc. ROSWELL, N.M. 88201

COMPLETION RECORD

SPUD DATE COMP DATE

DST RECORD

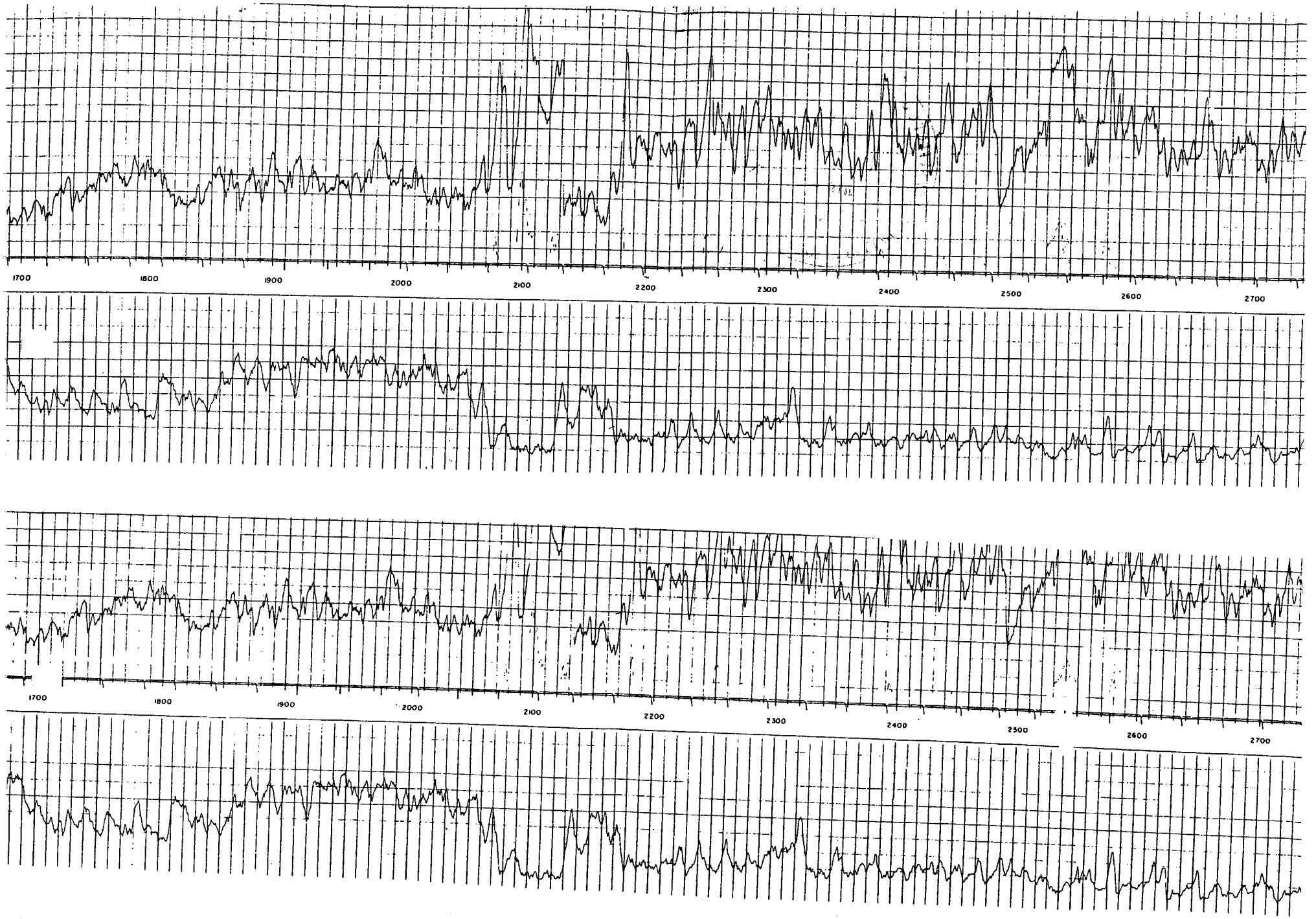
CASING RECORD

PERFORATING RECORD

ACID. FRAC SHOT

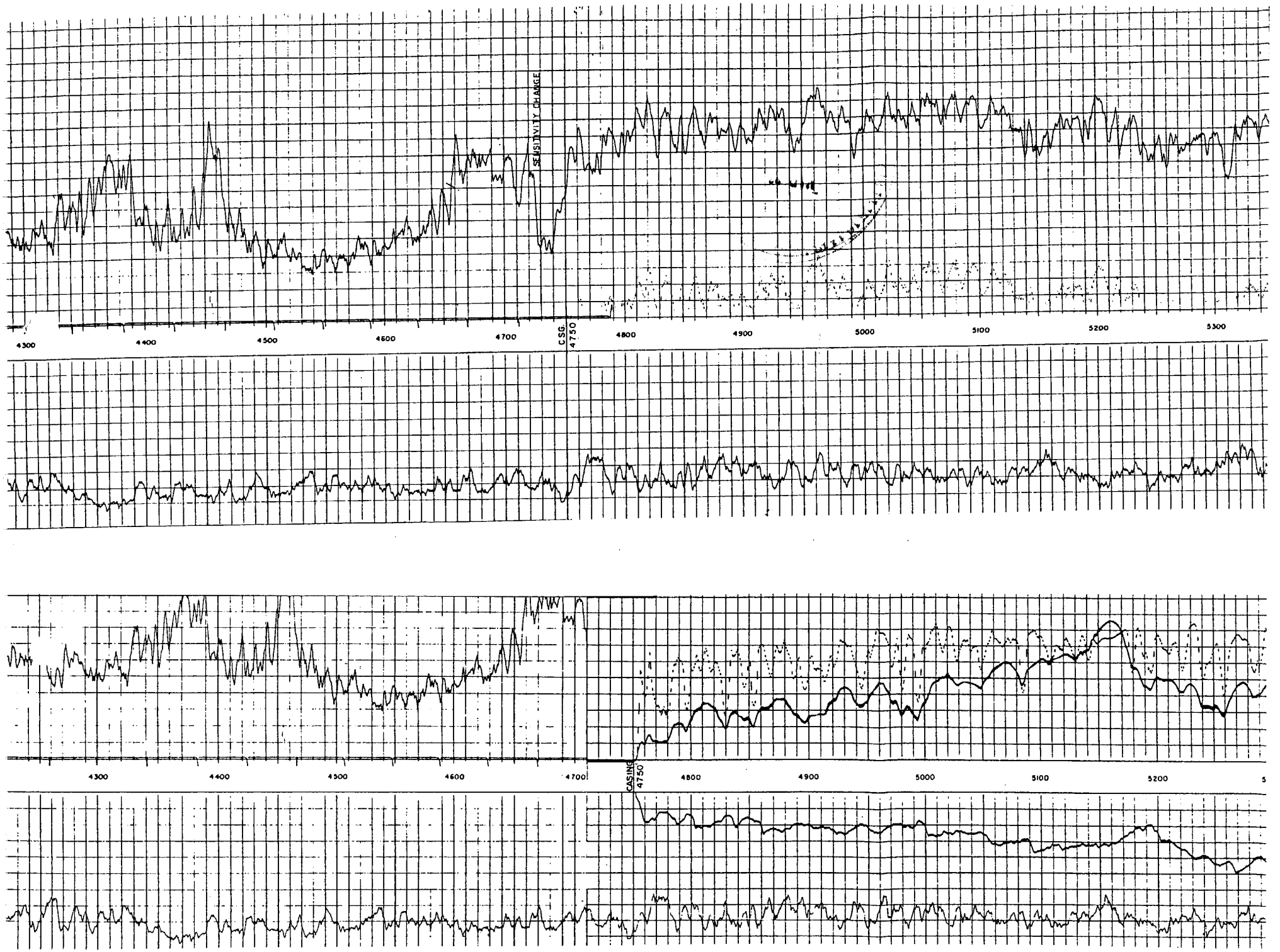
Jack L. McClellan P. O. Box 833 Roswell, New Mexico

EXHIBIT "F"


1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700


2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600

3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500


SENSITIVITY CHANGE
CSG.
4750
4300
4400
4500
4600
4700
4800
4900
5000
5100
5200
5300
CASING
4750

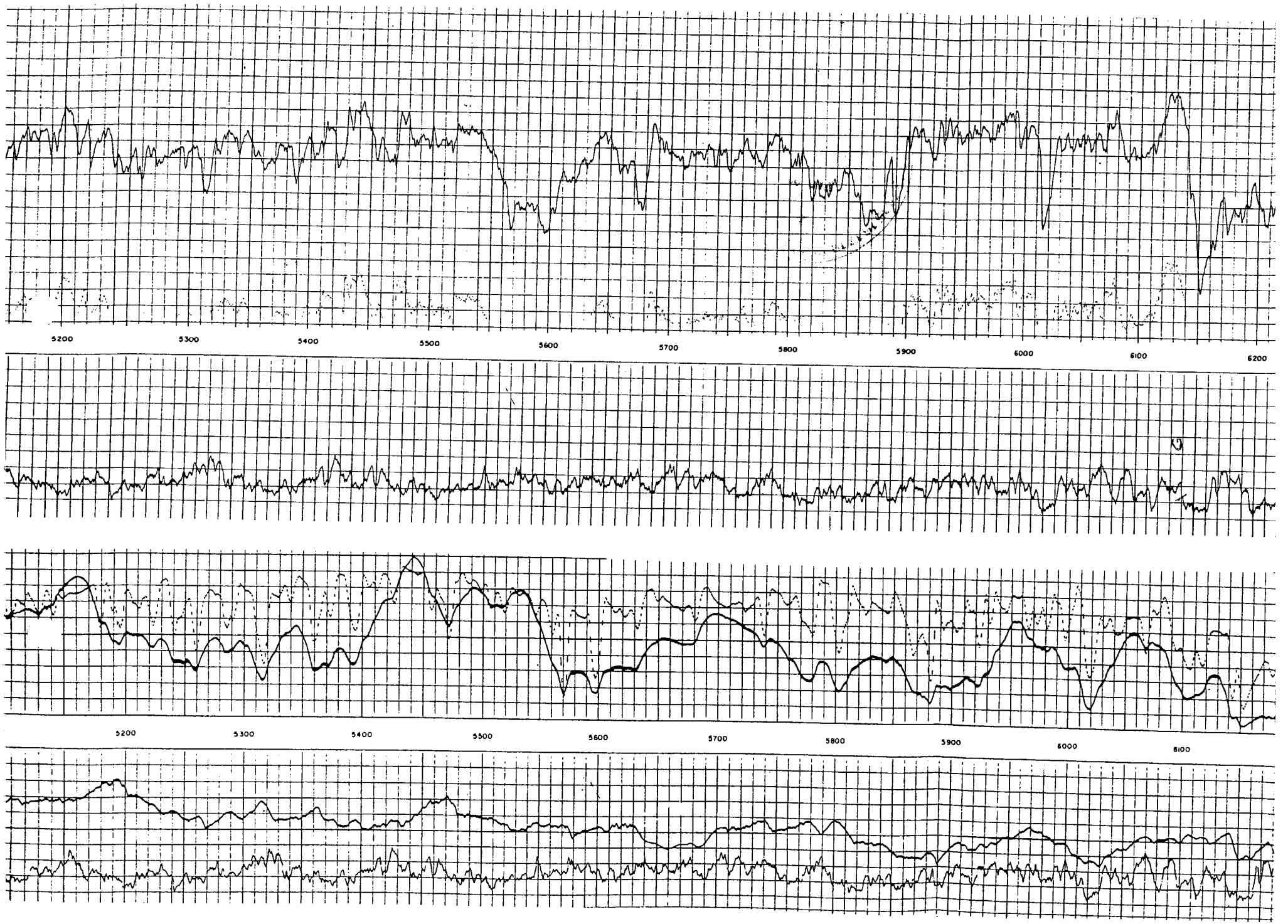

5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
6200
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100

EXHIBIT "G"

FRESH WATER ANALYSIS

AND

SKETCH OF WATER WELL LOCATIONS

Oilfield Solutions, Inc.
2614 S.C.R. 1257, Midland, Tx. 78706

GA

WATER ANALYSIS REPORT

Company: C.W TRAINOR
Location: FRESH WATER SAMPLE #2
Source: 0
Date Sampled: 0

Sampled By: L-CHEM
Analysis Date: 02/18/02
Salesman:

ANALYSIS	mg/L		EQ. WT.		MEQ/L
1. pH	7.60				
2. Specific Gravity 60/60 f.	1.003				
3. Hydrogen Sulfide	NEGATIVE				
4. Carbon Dioxide	Not Determined				
5. Dissolved Oxygen	Not Determined				
6. Hydroxyl (OH-)	0	/	17.0	=	0.00
7. Carbonate (CO3=)	0	/	30.0	=	0.00
8. Bicarbonate (HCO3-)	195	/	61.1	=	3.19
9. Chloride (Cl-)	1,000	/	35.5	=	28.17
10. Sulfate (SO4=)	600	/	48.8	=	12.30
11. Calcium (CA++)	0	/	20.1	=	0.00
12. Magnesium (Mg++)	0	/	12.2	=	0.00
13. Sodium (Na+)	1,004	/	23.0	=	43.66
14. Barium (Ba++)	Not Determined				
15. Total Iron (Fe)	0.00				
16. Dissolved Solids	2,799				
17. Filterable Solids	2,799				
18. Total Solids	0				
19. Total Total Hardness As CaCO3					
20. Suspended Oil					
21. Volume Filtered (ml)					
22. Resistivity @ 75 F. (calculated)	3.182 /cm.				
23. CAC03 Saturation Index					
@80 F.	ERR				
@100 F.	ERR				
@120 F.	ERR				
@140 F.	ERR				
@160 F	ERR				
24. Calcium Sulfate solubility @ 90 F	1,861 mg/L				

PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	MEQ/L	= mg/L
Ca(HCO3)2	81.04		0.00	0
CaSO4	68.07		0.00	0
CaCl2	55.50		0.00	0
Mg(HCO3)2	73.17		0.00	0
MgSO4	60.19		0.00	0
MgCL2	47.62		0.00	0
NaHCO3	84.00		3.19	268
Na2SO4	71.03		12.30	874
NaCl	58.46		28.17	1,647

Chemist: _____

C+A

Oilfield Solutions, Inc.
2614 S.C.R. 1257, Midland, Tx. 79706

WATER ANALYSIS REPORT

Company: C.W TRAINOR
Location: FRESH WATER SAMPLE #1
Source: 0
Date Sampled: 0

Sampled By: L-CHEM
Analysis Date: 02/18/02
Salesman:

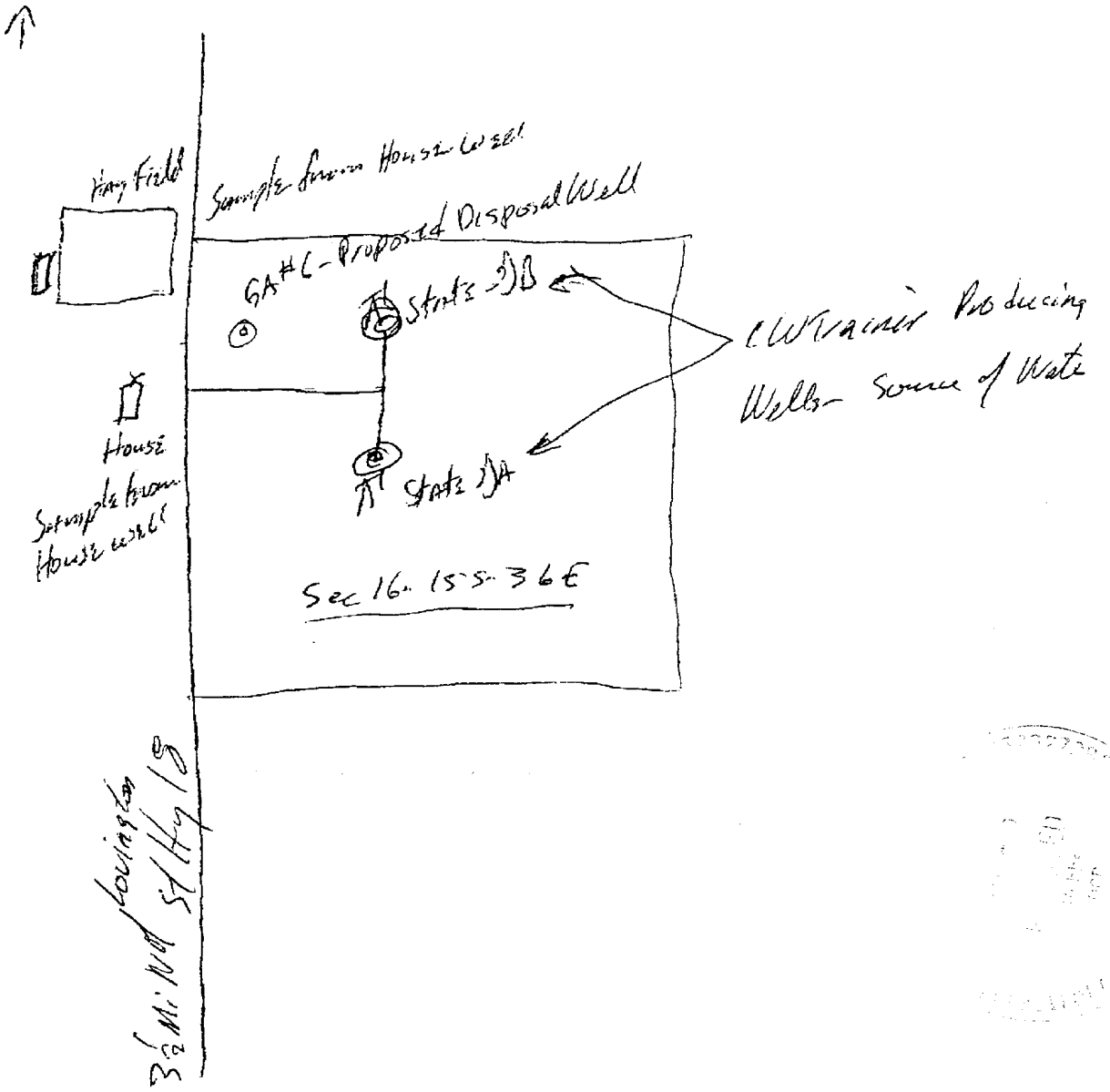
	ANALYSIS	mg/L		EQ. WT.		MEQ/L
1.	pH	7.60				
2.	Specific Gravity 60/60 f.	1.003				
3.	Hydrogen Sulfide	NEGATIVE				
4.	Carbon Dioxide	Not Determined				
5.	Dissolved Oxygen	Not Determined				
6.	Hydroxyl (OH-)	0	/	17.0	=	0.00
7.	Carbonate (CO3=)	0	/	30.0	=	0.00
8.	Bicarbonate (HCO3-)	195	/	61.1	=	3.19
9.	Chloride (Cl-)	1,000	/	35.5	=	28.17
10.	Sulfate (SO4=)	1,580	/	48.8	=	31.97
		0	/	20.1	=	0.00
11.	Calcium (CA++)	0	/	12.2	=	0.00
12.	Magnesium (Mg++)	1,467	/	23.0	=	63.33
13.	Sodium (Na+)	Not Determined				
14.	Barium (Ba++)	0.00				
15.	Total Iron (Fe)					
16.	Dissolved Solids	4,212				
17.	Filterable Solids	4,212				
18.	Total Solids	0				
19.	Total Total Hardness As CaCO3					
20.	Suspended Oil					
21.	Volume Filtered (ml)					
22.	Resistivity @ 75 F. (calculated)	2.184 /cm.				
23.	CAC03 Saturation Index	ERR				
	@80 F.	ERR				
	@100 F.	ERR				
	@120 F.	ERR				
	@140 F.	ERR				
	@160 F.					
24.	Calcium Sulfate solubility @ 90 F.	1,590 mg/L				

PROBABLE MINERAL COMPOSITION			
COMPOUND	EQ. WT. X	MEQ/L	= mg/L
Ca(HCO3)2	81.04	0.00	0
CaSO4	68.07	0.00	0
CaCl2	55.50	0.00	0
Mg(HCO3)2	73.17	0.00	0
MgSO4	60.19	0.00	0
MgCl2	47.62	3.19	266
NaHCO3	84.00	31.97	2,271
NaSO4	71.03	28.17	1,647
NaCl	58.46		

Chemist: _____

E. W. Trainer

Water Samples were collected from the following locations noted on the map Below



L-Chem

Perry L. Hughes

Petroleum Engineer

207 West McKay ♦ Carlsbad, NM 88220 ♦ 505-885-5433

February 22, 2002

CERTIFIED RETURN RECEIPT

U. S. Alexander
Rt 1, Box 51
Lovington, NM 88260

Dear Mr. Alexander:

Enclosed please find a copy of Form C-108 (Application for Authorization to Inject) on C W Trainer's State GA #6 well located in Unit D of Section 16, T15S, R36E, Lea County, New Mexico.

Should you have any questions, please feel free to contact me at 505-885-5433.

Sincerely,

Perry L. Hughes
Agent for C W Trainer

PLH/mp

Enclosure

Perry L. Hughes

Petroleum Engineer

207 W. McKay • Carlsbad, NM 88220 • 505-885-5433

February 22, 2002

CERTIFIED RETURN RECEIPT

Chesapeake Operating, Inc.
P.O. Box 18496
Oklahoma City, OK 75154-0496

Dear Sirs:

Enclosed please find a copy of Form C-108 (Application for Authorization to Inject) on C W Trainer's State GA #6 well located in Unit G of Section 16, T15S, R36E, Lea County, New Mexico.

Should you have questions, please feel free to contact me at 505-885-5433.

Sincerely,

Perry L. Hughes
Agent for C W Trainer

PLH/mp

Enclosure

Perry L. Hughes

Petroleum Engineer

207 W. McKay • Carlsbad, NM 88220 • 505-885-5433

February 22, 2002

CERTIFIED RETURN RECEIPT

Fasken Oil & Ranch, Ltd.
310 W. Wall, Suite 1900
Midland, TX 79701-5116

Dear Sirs:

Enclosed please find a copy of Form C-108 (Application for Authorization to Inject) on C W Trainer's State GA #6 well located in Unit G of Section 16, T15S, R36E, Lea County, New Mexico.

Should you have questions, please feel free to contact me at 505-885-5433.

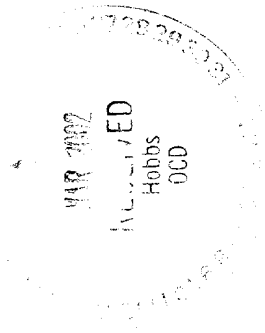
Sincerely,

Perry L Hughes

Perry L. Hughes
Agent for C W Trainer

PLH/mp

Enclosure



AFFIDAVIT OF PUBLICATION

State of New Mexico
County of Lea.

EXHIBIT "H"

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

March 2 2002

and ending with the issue dated

March 2 2002

Kathi Bearden

Publisher

Sworn and subscribed to before me this 4th day of

March 2002

Jodi Henson

Notary Public.

My Commission expires
October 18, 2004
(Seal)

LEGAL NOTICE
March 2, 2002

CW Trainer, P.O. Box 754, Midland, TX 79702, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, The "State GA #6", which is located 660' FNL & 990' FWL, of Section 16, T16S, R36E, Lea County, New Mexico, will be used for salt water disposal only. Produced waters will be injected into the San Andres and Glorieta formations at a depth of 4749-8230 feet with a maximum pressure of 1500 psi and a maximum rate of 2000 BWPD. Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, P.O. Box 6429, Santa Fe, NM 87505-5472, within 15 days. Additional information may be obtained by contacting Perry L. Hughes at 505-885-5433.
#16789

RECEIVED
MAR 2002
Hobbs
OCD

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

02105831000 02553868

Parker Melanie J.
P.O. Box 1692
ARTESIA, NM 88211-1692