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TRANSPORTER OIL	/	
TRANSPORTER GAS	2	
OPERATOR	/	
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

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ARTESIA, OFFICE

I.

Operator: Atlantic Richfield Company

Address: P. O. Box 1710, Hobbs, New Mexico 88240

Reason(s) for filing *(Check proper box)*: New Well [X]; Recompletion [ ]; Change in Ownership [ ]; Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]

Other *(Please explain)*:

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Empire Abo Unit "L"	153	Empire Abo	State, Federal or Fee State	E-7833

Location: Unit Letter O ; 90 Feet From The South Line and 1456 Feet From The East

Line of Section 2 Township 18S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [X] or Condensate [ ]	Address *(Give address to which approved copy of this form is to be sent)*
Amoco Production Company	2300 Continental Nat'l Bk Bldg, Ft Worth, TX
Name of Authorized Transporter of Casinghead Gas [X] or Dry Gas [ ]	Address *(Give address to which approved copy of this form is to be sent)*
Amoco Production Company Phillips Petroleum Company	Drawer A, Levelland, TX 79336 Phillips Bldg, 4th & Washington, Odessa, TX

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	F	2	18	27	Yes	4/20/77

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
	X		X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
3/17/77	4/20/77	6303'	6105'
Elevations *(DF, RKB, RT, GR, etc.)*	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3585' GR	Abo Reef	6056'	5980'
Perforations			**Depth Casing Shoe**
6056-6076' 2 JSPF = 40 holes			6303'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
11"	8-5/8" OD	1000'	395
7-7/8"	5-1/2" OD	6303'	630
	2-3/8" OD	5980'	

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

OIL WELL

Date First New Oil Run To Tanks	Date of Test	Producing Method *(Flow, pump, gas lift, etc.)*	
4/20/77	4/27/77	Flow	
Length of Test	**Tubing Pressure**	**Casing Pressure**	**Choke Size**
24 hrs	90#	Pkr	48/64"
Actual Prod. During Test	**Oil - Bbls.**	**Water - Bbls.**	**Gas - MCF**
279	276	3	197

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

D. L. Shackelford
(Signature)

Accountant I
(Title)

5/2/77
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUN 1 1977, 19 ____

BY W. A. Gressett

TITLE *SUPERVISOR, DISTRICT II*

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

Schlumberger

CASING COLLAR LOG AND PERFORATING RECORD

COUNTY / FIELD or LOCATION / WELL / COMPANY

COMPANY ATLANTIC RICHFIELD Company

WELL EMPIRE ABO UNIT I # 153

FIELD EMPIRE ABO

COUNTY Eddy STATE New Mexico

Location: 90 FSL 1456 FEL

Sec. 2 Twp. 18.S Rge. 27.E

Other Services: NON E

Permanent Datum: GL ; Elev.: 3585

Log Measured From KB, 11 Ft. Above Perm. Datum

Drilling Measured From KB

Elev.: K.B. 3595.7

D.F.

G.L. 3585

Date 2-13-79 Run No. ONE

PLUG BACK TOTAL DEPTH DRILLER- LOGGER-

DEPTHS BELOW RELATE TO: OPEN HOLE LOG MEASUREMENTS: ☐

: RADIOACTIVITY LOG MEASUREMENTS: ☒ CBL/VDL

: SCHLUMBERGER LINE MEASUREMENTS: ☐

CASING COLLARS

5900	5946
5991	6035
6076.5	

PERFORATING DATA

No. Shots	From	To	Gun Type	Gun Size
17	6104	6112	CASING CARRIER	4"
			HYPER JET II	

BORE HOLE RECORD

Hole Size	From	To

CASING RECORD

Size	Type	Weight	From	To
5 1/2	J-55	17	SURF	6273

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O. C. D.

HOLE FLUID DATA

Type Fluid:

Density:

Fluid Level:

Opr. Rig Time:

Truck No. 7709

Location: HOBBS, NM

Recorded By: SIMPSON

Witnessed By:

REMARKS

The well name, location and borehole reference data were furnished by the customer.

Serial No. 52352

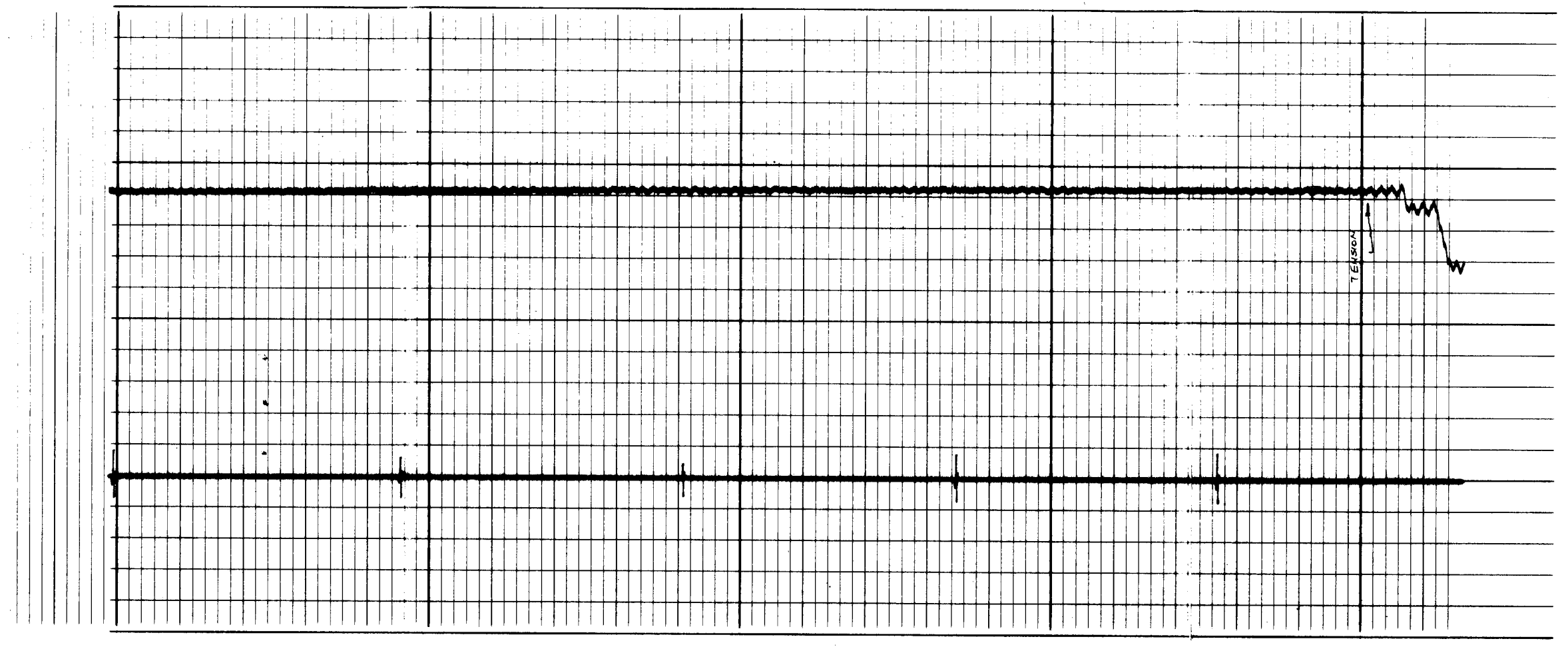
Service Order No.

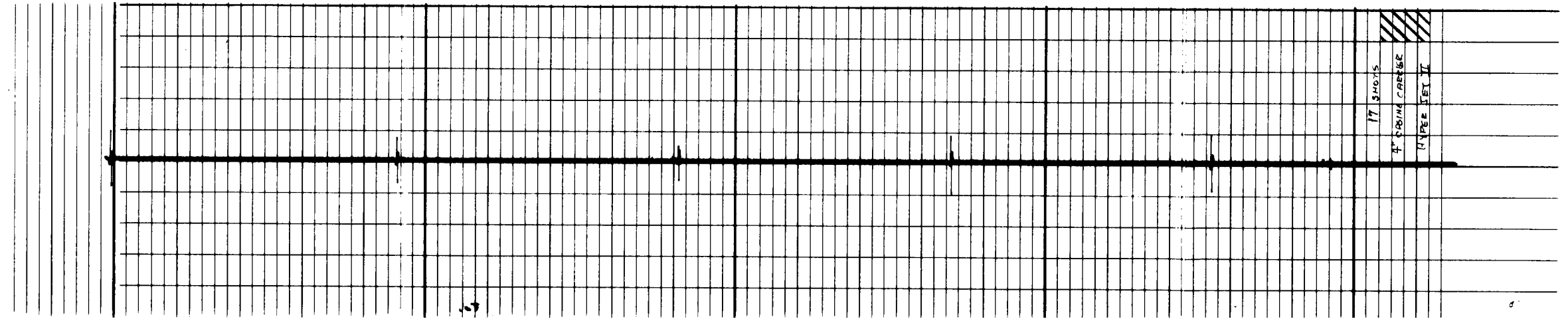
RECORDING OF GUN POSITION BEFORE PERFORATION

CASING COLLAR LOG AFTER PERFORATION

DEPTHS

CASING COLLAR LOG BEFORE PERFORATION





Schlumberger

CASING COLLAR LOG AND PERFORATING RECORD

COMPANY Atlantic Richfield Co.

WELL Empire Abo Unit L # 153

FIELD Empire Abo

COUNTY Eddy STATE New Mexico

Location: 90' FSL & 1456' FEL

Sec. 2 Twp. 18 S Rge. 27 E

Other Services: CBL-VDL

Elev.: K.B. 3595.7 D.F. G.L. 3585

Permanent Datum: G L ; Elev.: 3585

Log Measured From KB , 11 Ft. Above Perm. Datum

Drilling Measured From KB

Date 2-3-79 Run No. one

PLUG BACK TOTAL DEPTH DRILLER 6180 LOGGER 6179

DEPTHS BELOW RELATE TO: OPEN HOLE LOG MEASUREMENTS: ☐

: RADIOACTIVITY LOG MEASUREMENTS: ☑

: SCHLUMBERGER LINE MEASUREMENTS: ☐

CASING COLLARS

PERFORATING DATA

No. Shots	From	To	Gun Type	Gun Size
20	6140	6150	HJ II	4"

CASING RECORD

Size	Type	Weight	From	To
5½	STLC	14	Surf	6273

BORE HOLE RECORD

Hole Size From To

MAR 5 1979

HOLE FLUID DATA

Type Fluid:

Density:

Opr. Rig Time:

Truck No. 7782

Location: Hobbs, NM

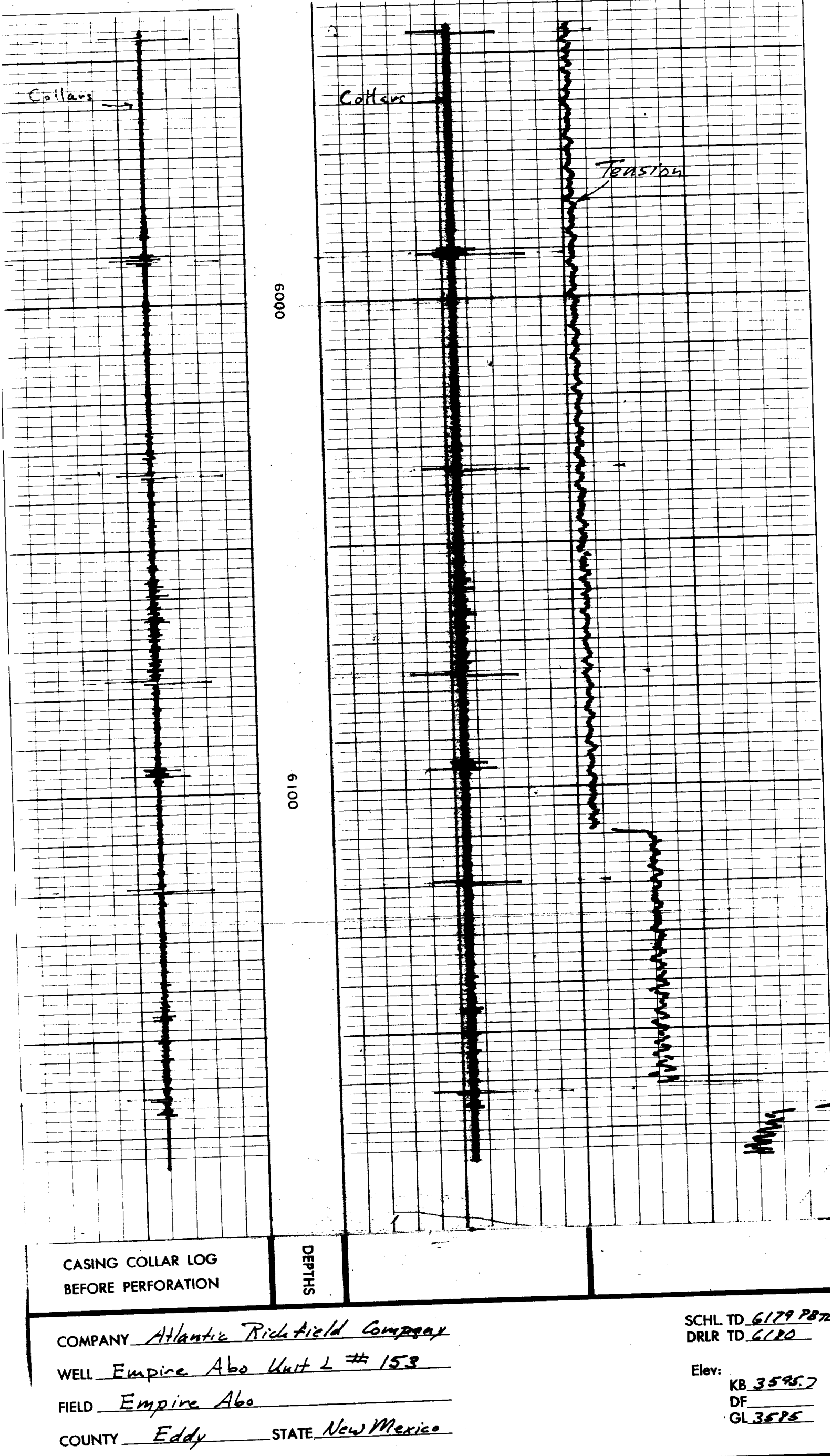
HERE The well name, location and borehole reference data were furnished by the customer.

ARKS Tied in to CBL-VDL of Feb 2 '79

Serial No.

ice Order No. 52304

CASING COLLAR LOG BEFORE PERFORATION | DEPTHS



CASING COLLAR LOG BEFORE PERFORATION | DEPTHS

COMPANY Atlantic Richfield Company

WELL Empire Abo Unit L # 153

FIELD Empire Abo

COUNTY Eddy STATE New Mexico

SCHL. TD 6179 PBTD

DRLR TD 6180

Elev:

KB 3595.7

DF

GL 3585

CARDINAL SURVEYS COMPANY

GAMMA-TROL

File No.

Field Print

COMPANY Atlantic Richfield Company

WELL Empire Abo Unit "L" #153

FIELD Empire Abo

COUNTY Eddy STATE N.M.

Location: 90' FSL & 1456' FEL

Sec. 2 Twp. 18-S Rge. 27-E

Other Services

Permanent Datum: Ground Level Elev. 3582

Log Measured From K.B. 11 Ft. Above Perm. Datum

Drilling Measured From K.B.

Elev. K.B. 3593

D.F.

G.L. 3582

Date	2-5-79		
Run No.	ONE		
Depth Driller	6180		
Depth Logger	6176		
Bottom Logged Interval	6176		
Top Logged Interval	5820		
Type Fluid in Hole	Water		
Max. Rec. Temp. Deg. F			
Recorded By	C.L. Ball		
Witnessed By	Mr. Ramsey		
Tool Size	1 11/16		
Casing Size	5 1/2 - surf to TD		
Tubing Size	2 3/8 - surf to 6136		

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O. C. C.
ARTESIA, OFFICE

TREATMENT REPORT:

1500 gallons of Acid. Tagged