Case No.

3937

Large Exhibits

V.N.M.C.F. MICROGRAPHICS

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LANE WELLS

COMPANY WESTERN OILFIELDS, INC.

WELL GRIER NO. 6

FIELD SQUARE LAKE

COUNTY EDDY STATE NEW MEXICO

LOCATION: C NW SE

SEC. 31 TWP. 16 S RGE. 31 E

Permanent Datum: GROUND LEVEL Elev. 3807 ft.

Log Measured from: K.B. 13 ft. Above Permanent Datum

Drilling Measured from: K.B.

Elevations: K.B. 3820, D.F., G.L. 3807

Date	12/15/57
Run No.	ONE
Depth-Driller	3500
Depth-Logger	3498
Bottom Logged Interval	3498
Top Logged Interval	2500
Type Fluid in Hole	WATER
Salinity, PPM Cl	
Density lb./Gal.	
Level	FULL
Max. Rec. Temp. Deg. F	100
Oper. Rig Time	2 HOURS
Recorded By	PERRY
Witnessed By	MR. MC GOWEN

Run No.	Bore Hole Record Bit	From	To	Casing Record Size	Wgt.	From	To
1	7 7/8"	1318	3500	8 5/8"		SURFACE	1318
1	6 1/4"	3480	3500				

Density: FDC 2.65 gm/cc; Matrix: Sandstone; Fluid: 1.0 gm/cc

Neutron: CNC 2.65 gm/cc; Matrix: Sandstone; Fluid: 1.0 gm/cc

Gamma Ray: Detector: Scint. Crystal; Source: Natural; Tool Position: Eccentered

Recorded: 12/15/57 1000; Logged Interval: 3498 to 2500; Scale Used: 5"=100'

Witnessed: MR. MC GOWEN

Equipment: Truck No. 2-193; Unit No. 2-105; Base Truck No. 2-193; Base Unit No. 2-105

Remarks: Run 1 Gamma Ray Neutron

NEUTRON API UNITS — RADIATION INTENSITY INCREASES

DEPTH — 5"=100'

GAMMA RAY API UNITS — RADIATION INTENSITY INCREASES — 8 API/CD — 0 API

Casing Collar

2500 2600 2700 2800 2900 3000

5 1/2"

PM

N.M.M.C.F. MICROGRAPHICS

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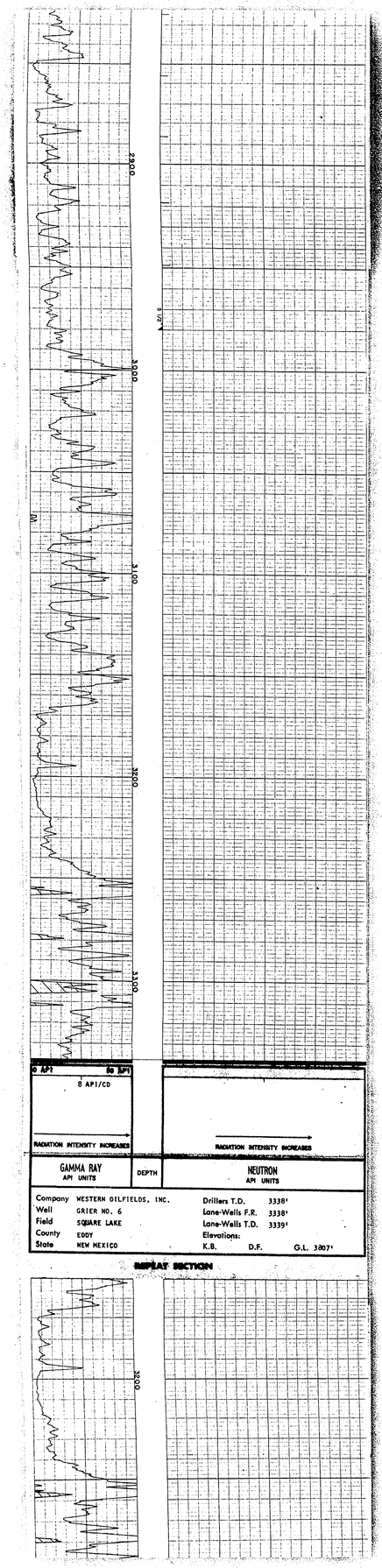
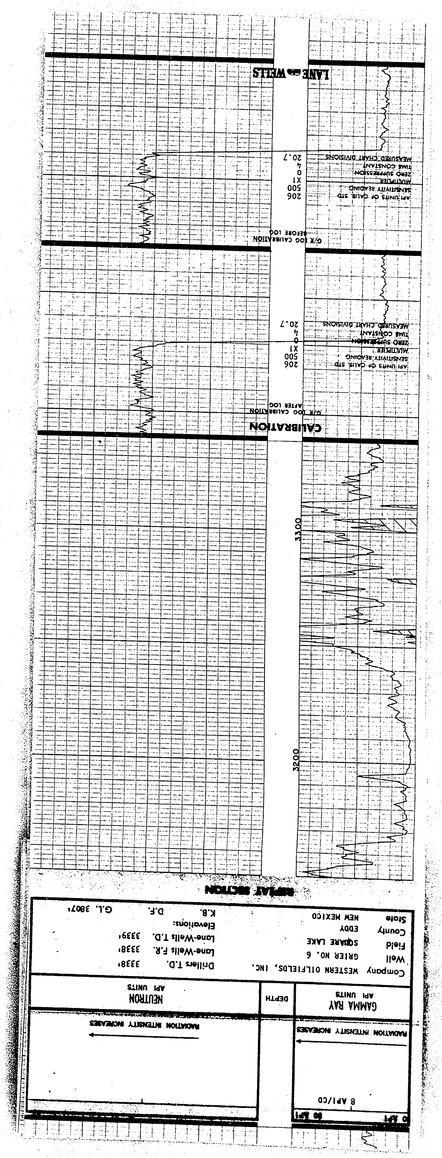

2900
1000
3100
3200
3300
5" = 100'
0 API
8 API/CD
RADIATION INTENSITY INCREASES
GAMMA RAY
API UNITS
DEPTH
NEUTRON
API UNITS
Company WESTERN OILFIELDS, INC.
Well GRIER NO. 6
Field SQUARE LAKE
County EDDY
State NEW MEXICO
Drillers T.D. 3338'
Lane-Wells F.R. 3338'
Lane-Wells T.D. 3339'
Elevations:
K.B.
D.F.
G.L. 3807'
REPEAT SECTION
3200

SCHLUMBERGER WELL SURVEYING CORP.
HOUSTON, TEXAS

LOG CONTROL, INC.
S.W.R.C.P. MICROGRAPHICS


LANE & WELLS
CALIBRATION
0/X 100 CALIBRATION
AFTER 100
AM UNITS OF CALB. STD
206
SENSITIVITY READING
500
MONITOR
X1
ZERO SUPPRESSION
0
Time Constant
¼
MEASURED CHART DIVISIONS
20.7
3300
3200
DEPTH
GAMMA RAY
API UNITS
NEUTRON
API UNITS
8 API/CD
10 API
50 API
RADIATION INTENSITY INCREASES
Company WESTERN OILFIELDS, INC.
Well GRIER No. 6
Field SQUARE LAKE
County EDDY
State NEW MEXICO
Drillers T.D. 3338'
Long-Wells F.R. 3338'
Long-Wells T.D. 3339'
Elevations:
K.B.
D.F.
G.L. 3807'

LANE WELLS *Gamma Ray Neutron*

EXHIBIT II

FILE NO.

COMPANY WESTERN OILFIELDS, INC.

WELL GRIER NO. 6

FIELD SQUARE LAKE

COUNTY EDDY STATE NEW MEXICO

LOCATION: Other Services

SEC TWP RGE

Permanent Datum	GROUND LEVEL	Elev. 3807	Elevations: KB
Log Measured from	G. L.	Ft. Above Permanent Datum	DF
Drilling Measured from	G. L.		GL 3807

Date	12/15/65	
Run No.	ONE	ONE
Type Log	GAMMA RAY	NEUTRON
Depth-Driller	3338	3338
Depth-Logger	3339	3338
Bottom Logged Interval	3338	3338
Top Logged Interval	2400	2400
Type Fluid in Hole	WATER	WATER
Salinity PPM Cl		
Density Lb./Gal.		
Level	700'	Full
Max. Rec. Temp. Deg. F		
Opr. Rig Time	2 HOURS	
Recorded By	HURST	Graves
Witnessed By	MR. MC GOWEN	McGowen

Run No.	Bit	Bore Hole Record From	To	Size	Wgt.	Casing Record From	To
1	7 7/8"	2980	3338	5 1/2"		SURFACE	2980
1	4 3/4"	2980	3338	2 3/8"		"	3337

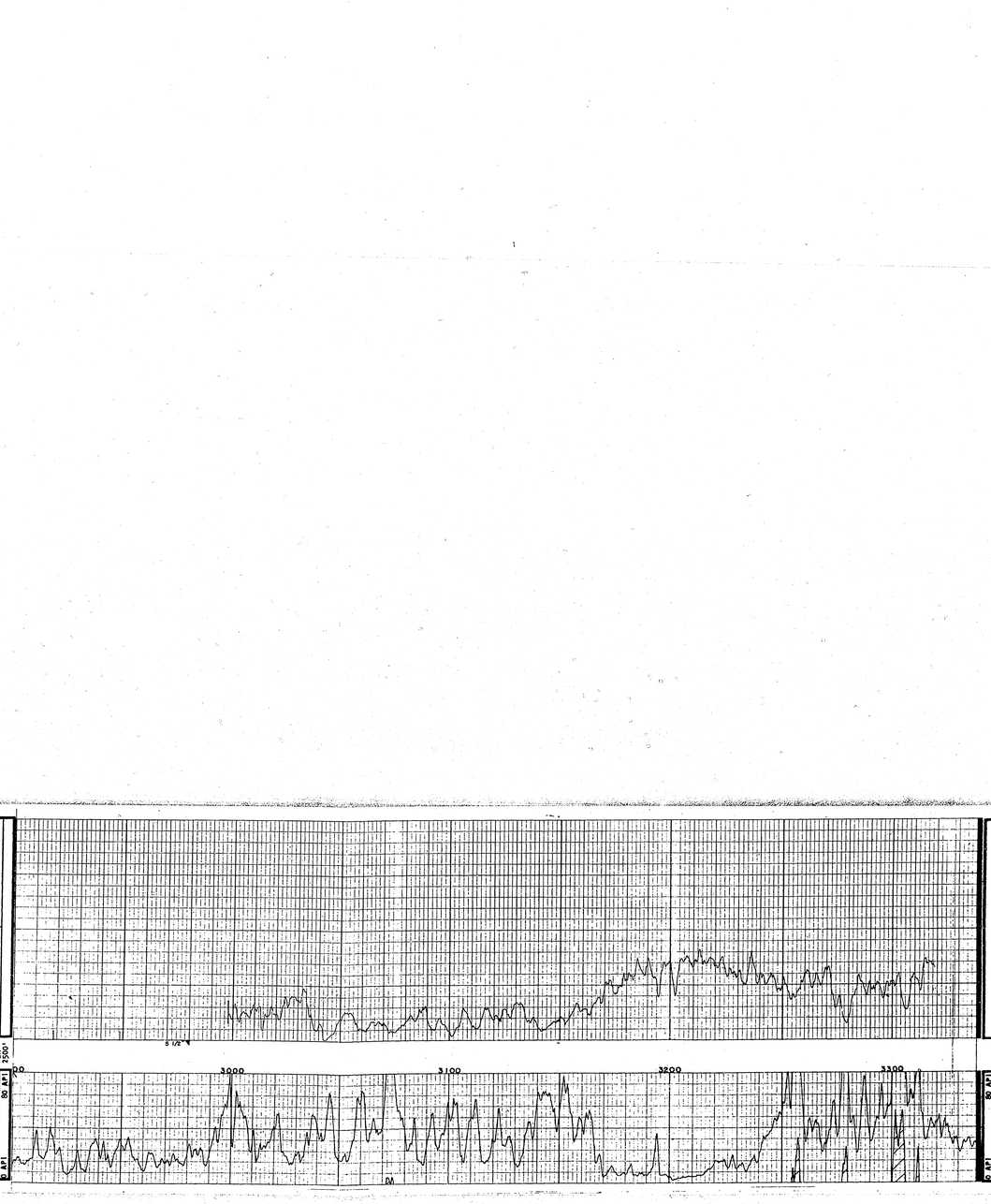
Add. Rem.

Gamma Ray: Run No. ONE; Serial No. 1062; Diam. Model No. 1561; Length 6'; Gain Setting 4M; Calibrator Used Yes; Serial No. 1062; Type Internal; Source Strength 10 MC RaBe; Neutron: Run No. ONE; Serial No. 1561; Diam. Model No. 1561; Length 6'; Gain Setting 4M; Calibrator Used Yes; Serial No. 1561; Type Internal; Source Strength 10 MC RaBe; Detector: Run No. ONE; Serial No. 1062; Type Internal; Source Strength 10 MC RaBe; Location: Gamma Ray: Run No. ONE; Serial No. 1062; Type Internal; Source Strength 10 MC RaBe; Neutron: Run No. ONE; Serial No. 1561; Type Internal; Source Strength 10 MC RaBe; Detector: Run No. ONE; Serial No. 1062; Type Internal; Source Strength 10 MC RaBe; Logging Data: Gamma Ray: Run No. 1; Depth Driller 3338; Depth Logger 3339; Btm. Log Int. 3338; Top Log Int. 2500; Scale Up 30; Scale Down 10; Neutron: Run No. 1; Depth Driller 3338; Depth Logger 3339; Btm. Log Int. 3338; Top Log Int. 2500; Scale Up 30; Scale Down 10; Gamma Ray: Run No. ONE; Date 12/15/65; Time 1:30 PM; Max. Rec. Temp. 70; Equip. No. P-193; Location Hobbs; Recorded By Graves; Witnessed By McGowen; Neutron: Run No. ONE; Date 12/15/65; Time 1:30 PM; Max. Rec. Temp. 70; Equip. No. P-193; Location Hobbs; Recorded By Graves; Witnessed By McGowen; Gamma Ray: Run No. 1; Depth Driller 3338; Depth Logger 3339; Btm. Log Int. 3338; Top Log Int. 2500; Scale Up 30; Scale Down 10; Neutron: Run No. 1; Depth Driller 3338; Depth Logger 3339; Btm. Log Int. 3338; Top Log Int. 2500; Scale Up 30; Scale Down 10; Gamma Ray: API G.R. Units Per Inch 20; Neutron: API N. Units Per Inch 20; Gamma Ray: Sen. Setting Dev. Set 8; Neutron: Sen. Setting Dev. Set 8; Gamma Ray: T.C. Sec. 2; Neutron: T.C. Sec. 2; Gamma Ray: Sen. Setting Dev. Set 8; Neutron: Sen. Setting Dev. Set 8; Gamma Ray: T.C. Sec. 2; Neutron: T.C. Sec. 2; Remarks: Reference Elevations:

NEUTRON API UNITS — RADIATION INTENSITY INCREASES

DEPTH — 5"=100' OR 1:1200

GAMMA RAY API UNITS — RADIATION INTENSITY INCREASES — 0 API — 8 API/CD — 80 API



RADIATION INTENSITY INCREASES — NEUTRON API UNITS — DEPTH — RADIATION INTENSITY INCREASES — GAMMA RAY API UNITS — 0 API — 8 API/CD — 80 API

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Well GRIER NO. 6
Field SQUARE LAKE
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