

berger

BOREHOLE COMPENSATED SONIC LOG

COUNTY LEA
FIELD EAST VACUUM
LOCATION
WELL EXGSAU TRACT #2801-000
COMPANY PHILLIPS PETROLEUM

COMPANY PHILLIPS PETROLEUM
API #30-025-20383
WELL #2801-
E. VACUUM GRABURG SA UNIT TRACT 006
FIELD EAST VACUUM
COUNTY LEA STATE NEW MEXICO

LOCATION 1330' FEL & 2630' FSL
API SERIAL NO SEC TWP RANGE
28 17-S 35-E

Other Services:
DLL

Permanent Datum: G.L.; Elev.: 3943
Log Measured From K.B. 12 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 3955
D.F. 3954
G.L. 3943

Date	11-6-79			
Run No.	ONE			
Depth-Driller	4800			
Depth-Logger (Schl.)	4793			
Btm. Log Interval	4780			
Top Log Interval	SURF			
Casing-Driller	8 5/8 @ 354	@	@	@
Casing-Logger	354			
Bit Size	7 7/8			
Type Fluid in Hole	BRINE GEL			
Dens.	10.4	42		
pH	7.5	10 ml	ml	ml
Fluid Loss				
Source of Sample	CIRC			
Rm @ Meas. Temp.	.077 @ 79 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.05 @ 75 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Source: Rmf	M			
Rmc				
Rm @ BHT	@ °F	@ °F	@ °F	@ °F
Circulation Stopped	2330			
Logger on Bottom	0830			
Max. Rec. Temp.	150 °F	°F	°F	°F
Equip.	8069	HOBBS		
Location				
Recorded By	ABOUSSAT			
Witnessed By Mr.	ARCHER			

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

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RADIOACTIVITY LOG

COMPANY <u>Phillips</u> Petroleum Company WELL <u>EVGSAU "3456"</u> # <u>007</u> FIELD <u>East Vacuum</u> County <u>Lea</u> State <u>N.M.</u>	COMPANY <u>PHILLIPS PETROLEUM COMPANY</u>	
	WELL <u>EVGSAU "3456" # 007</u>	
	FIELD <u>EAST VACUUM</u>	
	COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>	
Location		Other Service
Sec. <u>34</u> Twp. <u>17-S</u> Rge. <u>35-E</u>		CB - M
Permanent Datum <u>Ground Level</u> Elev. <u>3931.7'</u>		Elev.: K.B.
Log Measured From <u>K. B. - 10</u> Ft. Above Perm. Datum		D.F.
Drilling Measured From <u>Kelly Bushing</u>		G.L.
Date	<u>11/15/79</u>	
Run No.	<u>- One -</u>	
Type Log	<u>G/R - N/G</u>	
Depth—Driller	<u>4800 + -</u>	
Depth—Welex	<u>4741</u>	
Bottom Logged Interval	<u>4740</u>	
Top Logged Interval	<u>Surface</u>	
Type Fluid in Hole	<u>Water</u>	
Salinity, PPM Cl.		
Density		
Level	<u>Full</u>	
Max. rec. temp., deg. F.	<u>105° F.</u>	
Operating Rig time		
Recorded By	<u>K. Herriage</u>	
Witnessed by	<u>M. Strobeck</u>	
RUN		BORE-HOLE RECORD
No.	Bit	From To Size Wgt.
- 1 -		8-5/8" 0
	7-7/8"	350' 4800' 5-1/2" 14 0 48



WIRELINE SERVICES
GEARHART-OWEN

B. H. C. SONIC LOG

FILING NO.					
COMPANY	PHILLIPS PETROLEUM COMPANY				
WELL	EVGSAU NO. 3328 NO. 003				
FIELD	EAST VACUUM				
COUNTY	LEA	STATE	NEW MEXICO		
LOCATION:	1100' FWL & 250' FSL			Other Services NIT, SUL, WEL	
SEC	33	TWP	17	RGE	35-N
Permanent Datum	GL	Elev.	3948.2		
Log Measured from	KB	11.7		Ft. Above Permanent Datum	
Drilling Measured from	KB				
		Elevations:			
		KB	3959.9		
		DF	3958.9		
		GL	3948.2		
Date	11-23-79				
Run No.	ONE				
Depth—Driller	4800				
Depth—Logger	4797				
Bottom Logged Interval	4785				
Top Logged Interval	93.5				
Casing—Driller	5/8 @ 355		@	@	@
Casing—Logger	352				
Bit Size	7 7/8				
Type Fluid in Hole	SALT MUD				
Density and Viscosity	10.2	38			
pH and Fluid Loss	7.5	10 cc	cc	cc	cc
Source of Sample	FLOWLINE				
Rm @ Meas. Temp.	.056 @ 75 °F	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.041 @ 75 °F	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	.088 @ 75 °F	@ °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	C	C			
Rm @ BHT	.041 @ 103 °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	2340				
Max. Rec. Temp. Deg. F.	103 °F	°F	°F	°F	°F
Equip. No. and Location	7556 ODESSA				
Recorded By	ZOLLETT/WHITE				
Witnessed By	MR. STUBBS				


WIRELINE SERVICES
GEARHART-OWEN

B. H. C. SONIC LOG

FILING NO.		COMPANY <u>PHILLIPS PETROLEUM COMPANY</u>	
		WELL <u>EVGSAU TRACT 2913 NO. 007</u>	
		FIELD <u>EAST VACUUM</u>	
		COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>	
LOCATION: <u>2630' FSL & 1230' FEL</u>		Other Services DLL/MLL/WFI	
SEC. <u>29</u> TWP. <u>17-S</u> RGE. <u>35-E</u>			
Permanent Datum <u>GL</u> Elev. <u>3968.8</u>		Elevations: KB <u>3978.4</u>	
Log Measured from <u>KB</u> , <u>9.6</u> Ft. Above Permanent Datum		DF <u>3977</u>	
Drilling Measured from <u>KB</u>		GL <u>3968.8</u>	
Date	<u>11-12-79</u>		
Run No.	<u>ONE</u>		
Depth—Driller	<u>4800</u>		
Depth—Logger	<u>4800</u>		
Bottom Logged Interval	<u>4788</u>		
Top Logged Interval	<u>SURFACE</u>		
Casing—Driller	<u>8 5/8 @ 353</u>	@	@
Casing—Logger	<u>NOT LOGGED</u>		
Bit Size	<u>7.87</u>		
Type Fluid in Hole	<u>SALT-GEL</u>		
Density and Viscosity	<u>10.1 40</u>		
pH and Fluid Loss	<u>9.6 11 cc</u>	cc	cc
Source of Sample	<u>FLOWLINE</u>		
Rm @ Meas. Temp.	<u>.056 @ 60 °F</u>	@ °F	@ °F
Rmf @ Meas. Temp.	<u>.045 @ 60 °F</u>	@ °F	@ °F
Rmc @ Meas. Temp.	<u>.098 @ 60 °F</u>	@ °F	@ °F
Source of Rmf and Rmc	<u>M M</u>		
Rm @ BHT	<u>.03 @ 105 °F</u>	@ °F	@ °F
Time Since Circ.	<u>10 Hours</u>		
Max. Rec. Temp. Deg. F.	<u>105 °F</u>	°F	°F
Equip. No. and Location	<u>7556 ODESSA</u>		
Recorded By	<u>WHITE</u>		
Witnessed By	<u>MR. STUBBS</u>		

BOREHOLE COMPENSATED SONIC LOG

LEA
COUNTY
EAST VACUUM
FIELD
EVGSAU TR 2642
LOCATION
#001
WELL
PHILLIPS PETRO.
COMPANY

COMPANY PHILLIPS PETROLEUM COMPANY

WELL EVGSAU TR 2642 #001

FIELD EAST VACUUM

COUNTY LEA STATE NEW MEXICO

LOCATION 1310' FEL & 2630' FWL

Other Services:

DLL

API SERIAL NO 26 SEC 17-S TWP 25-E RANGE

Permanent Datum: G.L.; Elev.: 3911
Log Measured From: K.B. 10 Ft. Above Perm. Datum
Drilling Measured From: K.B.

Elev.: K.B. 3921.5
D.F. 3921
G.L. 3911

Date	1-1-80				
Run No.	ONE				
Depth-Driller	4800				
Depth-Logger (Schl.)	4780				
Btm. Log Interval	4765				
Top Log Interval	SURF				
Casing-Driller	8 5/8 @ 350	@	@	@	
Casing-Logger	350				
Bit Size	7 7/8				
Type Fluid in Hole	SALT GEL				
Dens.	10.1	45			
Visc.	7	11.5ml	ml	ml	ml
pH					
Fluid Loss					
Source of Sample	PIT				
Rm @ Meas. Temp.	.086 @ 50 °F	@ °F	@ °F	@ °F	
Rmf @ Meas. Temp.	.05 @ 50 °F	@ °F	@ °F	@ °F	
Rmc @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F	
Source: Rmf Rmc	M				
Rm @ BHT	@ °F	@ °F	@ °F	@ °F	
Circulation Stopped	2030 12-31				
Logger on Bottom	0630 1-1				
Max. Rec. Temp.	102 °F	°F	°F	°F	
Equip.	8069	HOBBS			
Location					
Recorded By	AOUSSAT				
Witnessed By Mr.	DONALDSON				



WIRELINE SERVICES
GEARHART-OWEN

B. H. C. SONIC LOG

FILING NO.					
	COMPANY <u>PHILLIPS PETROLEUM COMPANY</u>				
	WELL <u>EVGSAU 2801 NO. 005</u>				
	FIELD <u>EAST VACUUM</u>				
	COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>				
	LOCATION: <u>1310' FWL & 2630' FSL</u>				Other Services DLL MLL WEL
SEC <u>28</u> TWP <u>17S</u> RGE <u>35E</u>					
Permanent Datum <u>GL</u> Elev. <u>3955</u>				Elevations:	
Log Measured from <u>KB</u> , <u>13</u> Ft. Above Permanent Datum				KB <u>3968</u>	
Drilling Measured from <u>KB</u>				DF <u>3967</u>	
				GL <u>3955</u>	
Date	<u>11/10/79</u>				
Run No.	<u>One</u>				
Depth—Driller	<u>4800</u>				
Depth—Logger	<u>4794</u>				
Bottom Logged Interval	<u>4782</u>				
Top Logged Interval	<u>Surface</u>				
Casing—Driller	<u>8 5/8</u>	<u>350</u>	@	@	@
Casing—Logger	<u>348</u>				
Bit Size	<u>7.87</u>				
Type Fluid in Hole	<u>Salt Gel</u>				
Density and Viscosity	<u>10.3</u>	<u>45</u>			
pH and Fluid Loss	<u>7.5</u>	<u>8.2 cc</u>		cc	cc
Source of Sample	<u>Flowline</u>				
Rm @ Meas. Temp.	<u>.057</u>	@ <u>69°F</u>	@	@	@
Rmf @ Meas. Temp.	<u>.045</u>	@ <u>69°F</u>	@	@	@
Rmc @ Meas. Temp.	<u>.093</u>	@ <u>69°F</u>	@	@	@
Source of Rmf and Rmc	<u>M</u>	<u>M</u>			
Rm @ BHT	<u>.04</u>	@ <u>104°F</u>	@	@	@
Time Since Circ.	<u>12 Hours</u>				
Max. Rec. Temp. Deg. F.	<u>104</u>	°F	°F	°F	°F
Equip. No. and Location	<u>7556</u>	<u>Odessa</u>			
Recorded By	<u>White</u>				
Witnessed By	<u>Mr. Dollens</u>				