

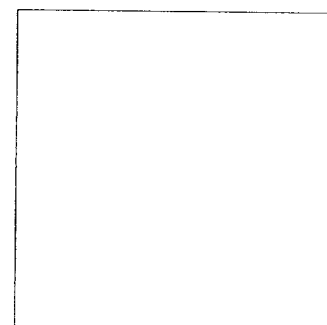
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OIL CON. DIV. SOFTROCK GEOLOGICAL SERVICES
DIST. 3 591 CR 233, Durango, CO (970) 247-7726

WELL INFORMATION

30-039-25879

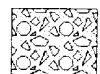
COMPANY: Energen Resources Corp.
WELL NAME: San Juan 32-5 Unit *9M
LOCATION: Sec. 2330' FSL 1048' FEL, Sec. 30 T32N R5W
Rio Arriba Co., New Mexico
ELEVATION: GL: 6484' (est.) KB: 6500'
FIELD: Blanco Mesa Verde & Basin Dakota
INTERVAL LOGGED: 3646' - 8202' DATE LOGGED: 5/05/99 to
CONTRACTOR: Aztec *222, Greg Muhlinghouse Co. Man 5/09/99
SPUD DATE: 4/27/99



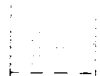
WELLSITE GEOLOGISTS: Peter D. Falk, Steve Labowskie
GAS INSTRUMENTATION: FID Chromatograph and Total Gas Detector

SECTION 30

HOLE SIZES - CASING DATA - MUD TYPES



CONGL



SS



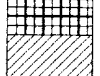
SLTST



SH



COAL



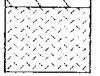
CHERT



SALT



ANHY



LS



DOL



IGNEOUS



BENTONITE



TUFF

HOLE SIZES: 12 1/4" to 243'
8 3/4" to 3646'
6 1/4" to 8202'

CASING SIZES: 9 5/8" set at 238'
7" set at 3646'

MUD TYPES: LSND fresh water based mud to 3646'
Air from 3646' to TD.

ABBREVIATIONS

Ck - Filter Cake
CO - Circulate Out
CG - Connection Gas
DC - Depth Correction
DS - Directional Survey
DST - Drill Stem Test
DTG - Down Time Gas
LAT - Logged After Trip
NB - New Bit
OB - Old Bit
NR - No Returns
pH - pH of Mud
PP - Pump Pressure
RPM - Rotary Speed
SPM - Pump Strokes
TG - Trip Gas
Vis - Viscosity of Mud
WL - Water Loss of Mud
WOB - Weight on Bit
WT - Weight of Mud

LITHOLOGY MODIFIERS

A - Anhydritic
B - Bentonitic
C - Calcareous
CC - Carbonaceous / Coaly
D - Dolomitic
F - Fossiliferous
G - Glauconitic
O - Oolitic
P - Pyritic
S - Siliceous

SPECIAL SYMBOLS

- Core - DST
 - Desorption Can
- Slide

Company: Energen Resources Corp.

Well: San Juan 32-5 Unit *9M

DRILL RATE					POROSITY	LITHOLOGY	DEPTH	LITHOLOGY	SHOWS	TOTAL GAS UNITS		C1 - C4 PPM		DESCRIPTIONS / COMMENTS		
ROP										1 UNIT GAS = 100 PPM Hydrocarbons						VERTICAL SCALE 2" = 100'
Minutes Per Foot																
0	1	2	3	4												
							3650			Intermediate Casing point 3646' NB #4: STC H41R6R2, 6 1/4" in at 3646'. Drilling with air hammer.						
							3700									
							3750									
							3800									
							3850									
							3900			RPM 40 WOB 4 PP 275 1800 cmF air (no mist)						
							3950									
							4000									
							4050			12:01 AM May 6, 1999						

4650
4700
4750
4800
4850
4900
4950
5000
5050
5100
5150

Notes: 4610' - 4610'
GAS LINE PLUGGED.

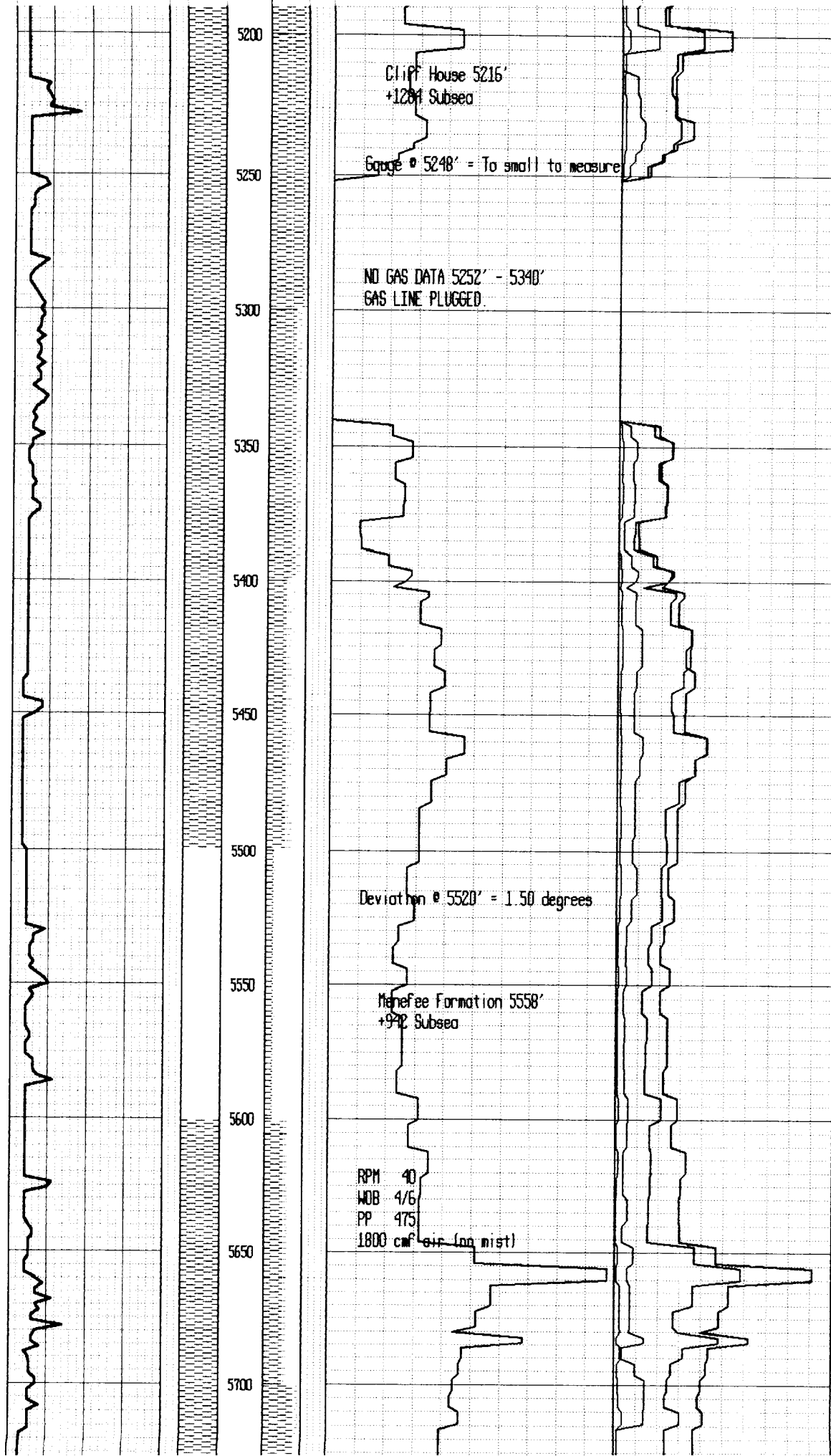
+1752 Subsea

RPM 40
WOB 4/5
PP 475
1800 cm³ air (no mist)

RDP not indicative
airdriller malfunction

RDP not indicative
airdriller malfunction

RPM 40
WOB 4/5
PP 475
1800 cm³ air (no mist)



5750

5800

5850

5900

5950

6000

6050

6100

6150

6200

6250

Massive Point Lookout 5740
+760 Subsea

RPM 40
WOB 4/6
PP 475
1800 cmf air (no mist)

Lower Point Lookout 5848'
+652 Subsea

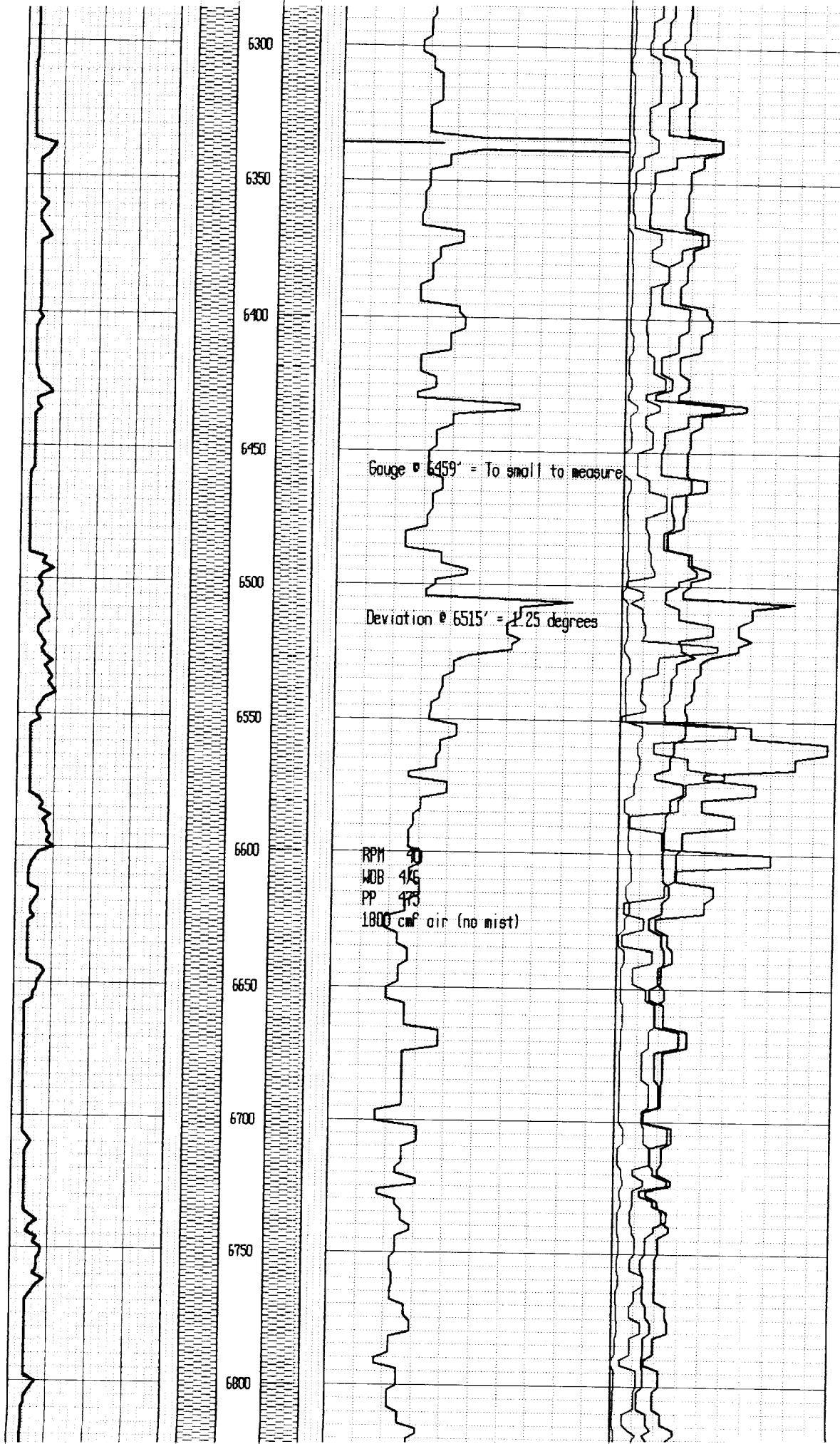
12:01 AM, May 7, 1999

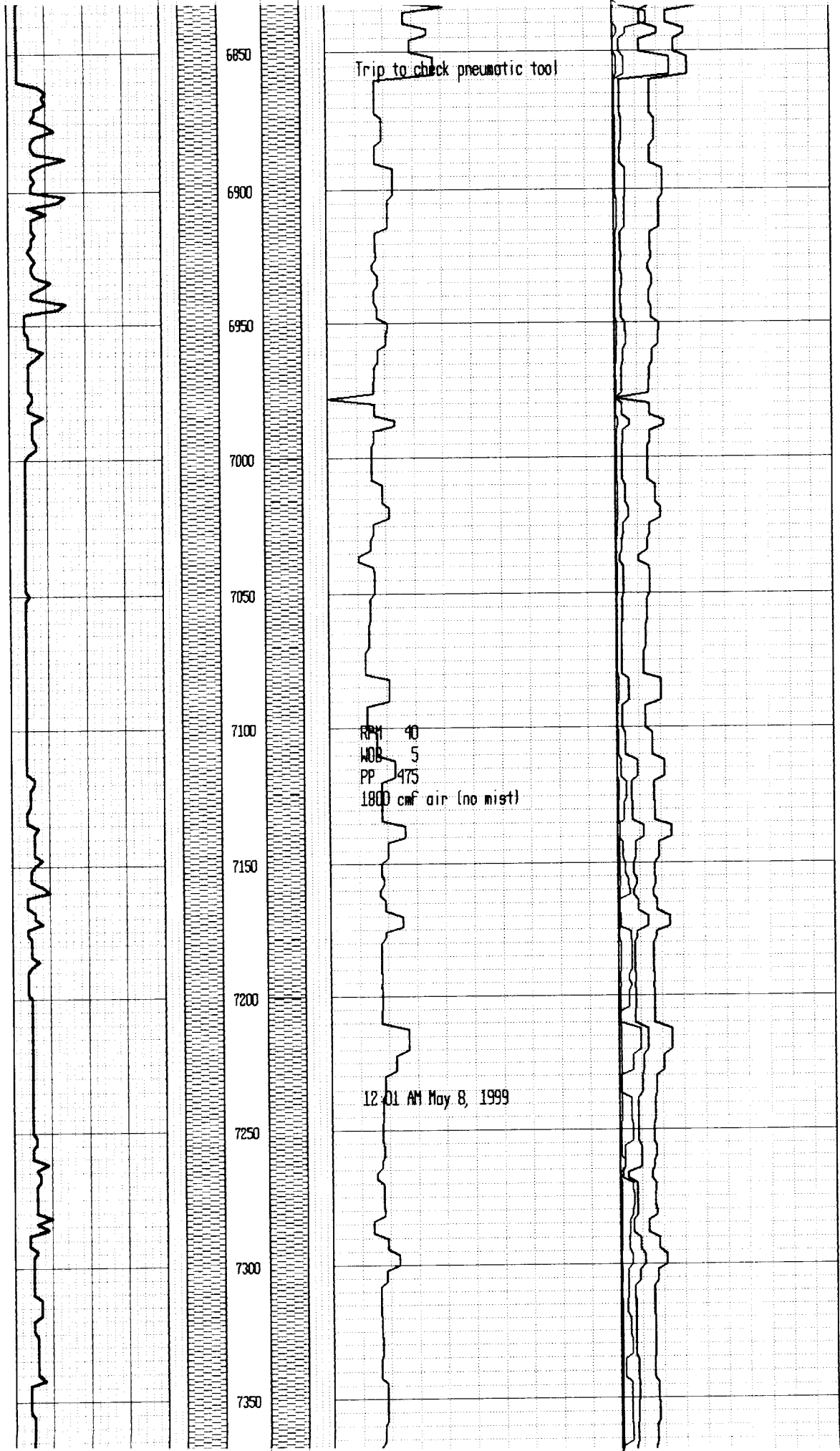
RPM 40
WOB 4/6
PP 475
1800 cmf air (no mist)

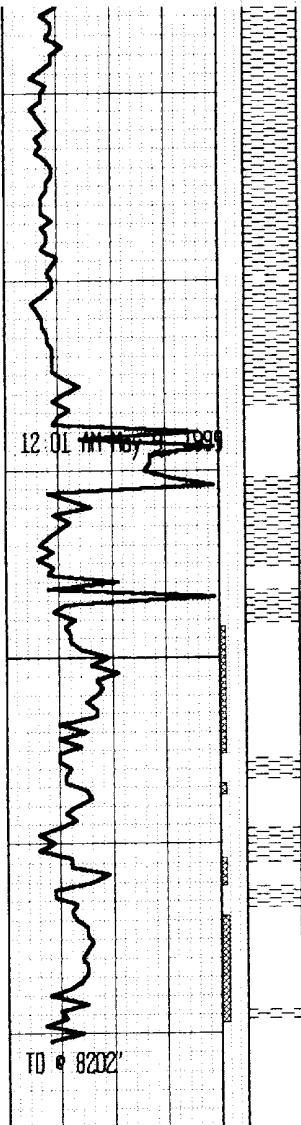
SANDSTONE: MASSIVE POINT
LOOKOUT - clear to frosted
grains, fine to medium grained,
very well sorted, sub rounded to
angular. Grains in samples
are virtually all unconsolidated
suggesting poor cementation and
possible very good porosity. Many
grains exhibit quartz over
growths. No fluorescence or cut,
no show.

Driller reports
several bit torque

Driller reports
bit torque







7950
8000
8050
8100
8150
8200

Dakota A 8034'
-1530' subsea

Trip For Bit. NB *5: Read 61A,
6 1/4" in at 8045
Bit *4 made 4399' in 53 hrs.
Very poor dusting out of blowie
line, no water added to blowie
line so as to monitor returns
resulting in no recoverable
samples from 8060' - 8090'.

Dakota B 8096'
-1596' subsea

Dakota C 8155'
-1655' subsea

Bit *5 made 157' in 4 hrs.
Gauge @ 8202' (TD) = 7 ounces

RPM 40
WOB 25
PP 350
1800 cfm air (no mist)

RPM 55
WOB 30
PP 350
1800 cfm air (no mist)

Lost an air compressor,
air reduced to 1200 cfm

SHALE: dark gray to dull black,
finely mottled w/ pale gray due
to silt content, sub platy to
occasionally platy, slightly soft
to firm, moderately silty, trace
soft white Bentonite, moderately
to very calcareous.

SANDSTONE: off white to lt gray,
finely speckled w/ white clay
inclusions, fine grained, mod to
poor sorting, very well cemented
w/ silica & trace calcite, very
hard and siliceous, common quartz
overgrowths and secondary silica,
appears cherty, common pyrite,
minor amounts of silt and very
fine black minerals occasion-
ally impart a dirty appearance,
very tight, no show.

SANDSTONE: white to off white,
translucent & clear grains, fine
to medium grained, mod well sort,
rounded to acc angular grains
(which are glass clear and appear
to be secondary/silica cement
frags), predominately disagg
grains, occasional off white
intergranular clay, assume fair
porosity in rounded component,
no show.

DEVIATION REPORT

Name of Company ENERGEN RESOURCES CORPORATION		Address 2198 Bloomfield Highway, Farmington, NM 87401					
Lease Name & Number San Juan 32-5 Unit #9M	Unit Letter I	Sec. 30		Twtn 32N		Rge 5W	
Pool and Formation Basin Dakota		API Number 30-039-25879		County Rio Arriba			

Depth (Ft.) Deviation (Degrees)

217	0.50
509	1.25
1029	1.25
1587	1.00
2024	1.50
2523	1.50
2827	2.50
3389	2.00
3630	1.00

FROM 3630' USED AIR HAMMER TO DRILL 6 1/4 HOLE.

4580	1.25
5520	1.50
6515	1.25
7532	1.25
8180	1.75

RECEIVED
JUN 15 1999
OIL CON. DIV.
BASE 8

I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer for ENERGEN RESOURCES CORPORATION, am authorized by said Company to make this report; and that this report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

[Signature]

Subscribed and sworn to before me this 14th day of June, 1999.

Monica Taylor
Notary Public in and for San Juan County, New Mexico
My commission expires: November 6, 2001

