

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/21/83
CUSTOMER: PENGUIN PETROLEUM INC.
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 32 TOWNSHIP: 30S
RANGE: 7W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 4359 FT TO: 4370 FT TOTAL DEPTH: 4370 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4354 FT SIZE: 6 5/8 IN PACKER DEPTH: 4359 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: DRISPA VISCOSITY: 46
WEIGHT: 9.5 WATER LOSS (CC): 16.8
CHLORIDES (P.P.M.): 15000
JARS - MAKE: WTC SERIAL NUMBER: 410
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 481 FT I.D.: 2 1/4 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3849 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 29 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 11 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.
GAS TO SURFACE IN 11 MINUTES ON PREFLOW.

RECOVERED: 90	FT	OF: GAS CUT MUD
RECOVERED: 120	FT	OF: MUDDY WATER
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: CHLORIDES 51000 PPM

SEE ATTACHED GAS SHEET.

TIME SET PACKER(S): 6:50 AM	TIME STARTED OFF BOTTOM: 10:35 AM
WELL TEMPERATURE: 123 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2246 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 75 PSI TO (C) 95 PSI
INITIAL CLOSED IN PERIOD MIN: 45	(D) 1530 PSI
FINAL FLOW PERIOD MIN: 55	(E) 87 PSI TO (F) 100 PSI
FINAL CLOSED IN PERIOD MIN: 90	(G) 1487 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2189 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #1825

LEASE: HUNTER

GEOLOGIST: REYNOLDS

FORMATION: MISSISSIPPI

TOWNSHIP: 30S

STATE: KANSAS

CLOCK: 12

(B) FIRST INITIAL FLOW PRESSURE: 75 PSI

(D) INITIAL CLOSED-IN PRESSURE: 1530 PSI

(F) SECOND FINAL FLOW PRESSURE: 100 PSI

(H) FINAL HYDROSTATIC PRESSURE: 2189 PSI

OPEN TOOL: 6:50 AM

FIRST FLOW PRESSURE: 30 MIN 30 MIN

INITIAL CLOSED-IN PRESSURE: 45 MIN 45 MIN

SECOND FLOW PRESSURE: 60 MIN 55 MIN

FINAL CLOSED-IN PRESSURE: 90 MIN 90 MIN

[illegible]

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 9/21/83
CUSTOMER: PENGUIN PETROLEUM INC.
WELL: 1
ELEVATION (KB): 0
SECTION: 32
RANGE: 7W
GAUGE SN #13547

TEST: 1
FORMATION: MISSISSIPPI
TOWNSHIP: 30S
COUNTY: KINGMAN
RANGE: 4225

TICKET #1825
LEASE: HUNTER
GEOLOGIST: REYNOLDS
STATE: KANSAS
CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

11				GAS TO SURFACE
15	MERLA	1 1/2	7" WTR	184000 CFPD
20		1 1/2	14"WTR	260000 CFPD
30		1 1/2	11"WTR	231000 CFPD

SECOND FLOW

5	MERLA	1 1/2	18"WTR	295000 CFPD
10		1 1/2	15"WTR	270000 CFPD
20		1 1/2	15"WTR	270000 CFPD
30		1 1/2	15"WTR	270000 CFPD
40		1 1/2	15"WTR	270000 CFPD
50		1 1/2	15"WTR	270000 CFPD
60		1 1/2	15"WTR	270000 CFPD

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 9/21/83

TKT # 1825

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