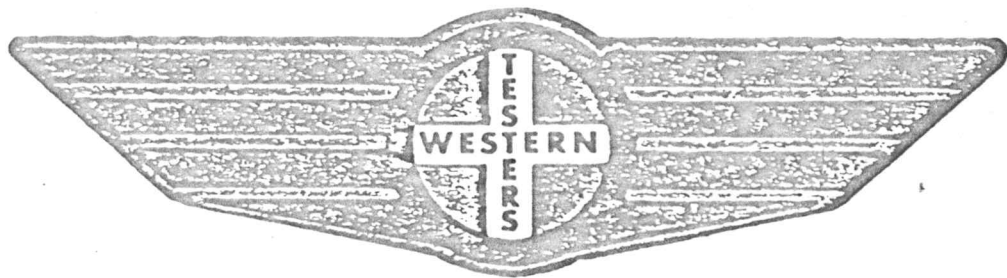


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PETROLEUM ENERGY, INC. Lease & Well No. #1 OSHEL "A" Sec. 5 Twp. 16S Rge. 10W Test No. 1 Date 11-12-85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11-12-85 TICKET #9463
CUSTOMER: PETROLEUM ENERGY INC. LEASE: OSHEL "A"
WELL: 1 TEST: 1 GEOLOGIST: M.J. WREATH
ELEVATION (KB): 1857 FORMATION: ARBUCKLE
SECTION: 5 TOWNSHIP: 16S
RANGE: 10W COUNTY: ELLSWORTH STATE: KANSAS
GAUGE SN #10980 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3283 FT TO: 3325 FT TOTAL DEPTH: 3325 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3278 FT SIZE: 6 5/8 IN PACKER DEPTH: 3283 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS RIG #2
MUD TYPE: STARCH VISCOSITY: 45
WEIGHT: 9.7 WATER LOSS (CC): 9.6
CHLORIDES (P.P.M.): 40000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 326 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2936 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 42 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 XH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW SLOWLY
INCREASING TO 8 1/4" AT END OF PERIOD.
FINAL FLOW PERIOD WEAK BLOW SLOWLY
INCREASING TO 7 1/2" AT END OF PERIOD.

RECOVERED: 30 FT OF: GAS CUT OIL (90% OIL; 5% GAS).
RECOVERED: 60 FT OF: SLIGHTLY MUD CUT GASSY OIL (5% GAS; 10% MUD).
RECOVERED: 360 FT OF: GAS & MUD CUT OIL (72% OIL; 5% GAS; 20% MUD).
RECOVERED: 60 FT OF: GAS ABOVE FLUID.
RECOVERED: FT OF: (46.50 GRAVITY).
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 11:15 PM TIME STARTED OFF BOTTOM: 2:15 AM
WELL TEMPERATURE: 106 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1713 PSI
INITIAL FLOW PERIOD MIN: 45 (B) 82 PSI TO (C) 164 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1107 PSI
FINAL FLOW PERIOD MIN: 45 (E) 190 PSI TO (F) 214 PSI
FINAL CLOSED IN PERIOD MIN: 45 (G) 1102 PSI
FINAL HYDROSTATIC PRESSURE (H) 1687 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #9463

LEASE: OSHEL "A"

TEST: 1

GEOLOGIST: M. J. WREATH

FORMATION: ARBUCKLE

TOWNSHIP: 16S

COUNTY: ELLSWORTH

STATE: KANSAS

RANGE: 4200

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 1713 PSI

(B) FIRST INITIAL FLOW PRESSURE: 82 PSI

(C) FIRST FINAL FLOW PRESSURE: 164 PSI

(D) INITIAL CLOSED-IN PRESSURE: 1107 PSI

(F) SECOND INITIAL FLOW PRESSURE: 190 PSI

(F) SECOND FINAL FLOW PRESSURE: 214 PSI

(G) FINAL CLOSED-IN PRESSURE: 1102 PSI

(H) FINAL HYDROSTATIC PRESSURE: 1687 PSI

WELL TEMPERATURE: 106 °F

OPEN TOOL: 11:15 PM

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PRESSURE: 45 MIN 45 MIN

INITIAL CLOSED-IN PRESSURE: 45 MIN 45 MIN

SECOND FLOW PRESSURE: 45 MIN 45 MIN

FINAL CLOSED-IN PRESSURE: 45 MIN 45 MIN

PRESSURE BREAKDOWN

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	82	0	164	0	190	0	214
2	5	84	3	1052	5	190	3	1040
3	10	89	6	1079	10	193	6	1079
4	15	98	9	1090	15	194	9	1091
5	20	109	12	1095	20	196	12	1095
6	25	121	15	1097	25	203	15	1097
7	30	135	18	1099	30	205	18	1098
8	35	147	21	1100	35	208	21	1099
9	40	159	24	1101	40	211	24	1100
10	45	164	27	1102	45	214	27	1101
11			30	1103			30	1102
12			33	1104			33	1102
13			36	1105			36	1102
14			39	1106			39	1102
15			42	1107			42	1102
16			45	1107			45	1102

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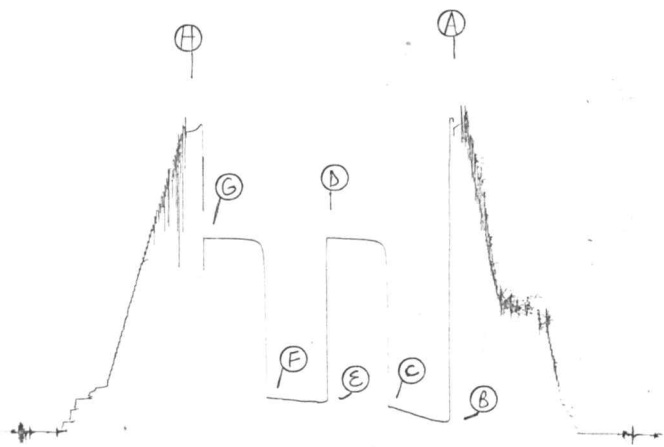
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