



GAS FLOW REPORT

No 2994

Date 10-14-84 Ticket 18180 Company E. H. Wood, Jr.
 Well Name and No. Bear #3 Dst No. 1 Interval Tested 4375-4382
 County Harper State Kansas Sec. 20 Twp. 31 Rg. 8

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
30	6	1/2			Gas to Surface 20 min. IFP 86,300 CFPD

SECOND FLOW

10	13	1/2			134,000	CFPD
20	15	1/2			147,000	CFPD
30	16	1/2			153,000	CFPD
40	18	1/2			166,000	CFPD
50	18	1/2			166,000	CFPD
60	18	1/2			166,000	CFPD

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 10-14

Test Ticket No. 18180

Recorder No. 6233

Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2116</u> P.S.I.		
B First Initial Flow Pressure	<u>44</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>53</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1354</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	<u>60</u> Mins.	<u>66</u> Mins.
F Second Final Flow Pressure	<u>64</u> P.S.I.		
G Final Closed-in Pressure	<u>1337</u> P.S.I.		
H Final Hydrostatic Mud	<u>2056</u> P.S.I.		

plugging action on the I.F.P.

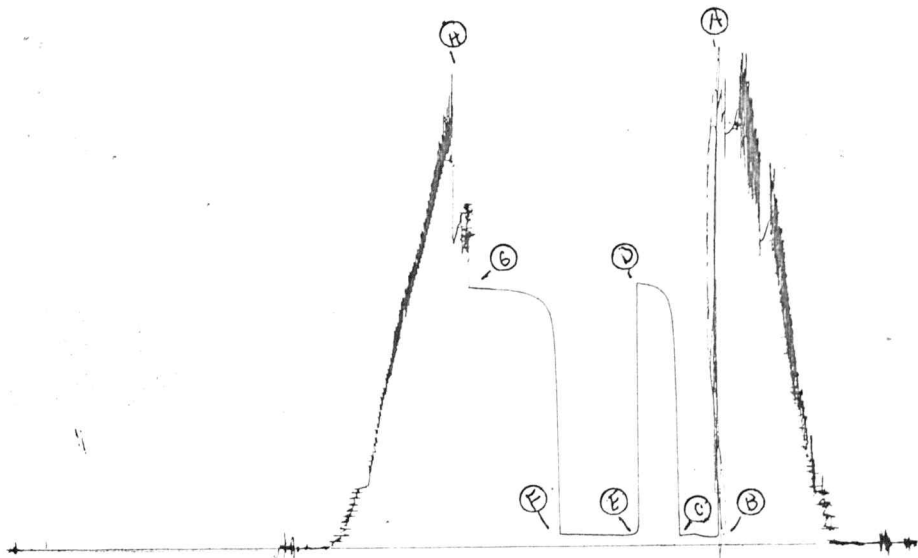
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>23</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>44</u>	0	<u>53</u>	0	<u>56</u>	0	<u>64</u>
P 2 5	<u>44</u>	3	<u>1151</u>	5	<u>56</u>	3	<u>1016</u>
P 3 10	<u>47</u>	6	<u>1256</u>	10	<u>56</u>	6	<u>1181</u>
P 4 15	<u>55</u>	9	<u>1295</u>	15	<u>56</u>	9	<u>1234</u>
P 5 20	<u>57</u>	12	<u>1315</u>	20	<u>57</u>	12	<u>1259</u>
P 6 25	<u>53</u>	15	<u>1330</u>	25	<u>57</u>	15	<u>1278</u>
P 7 30	<u>53</u>	18	<u>1339</u>	30	<u>58</u>	18	<u>1287</u>
P 8 35		21	<u>1345</u>	35	<u>59</u>	21	<u>1297</u>
P 9 40		24	<u>1348</u>	40	<u>60</u>	24	<u>1305</u>
P10 45		27	<u>1351</u>	45	<u>61</u>	27	<u>1311</u>
P11 50		30	<u>1354</u>	50	<u>62</u>	30	<u>1313</u>
P12 55		33		55	<u>63</u>	33	<u>1315</u>
P13 60		36		60	<u>64</u>	36	<u>1317</u>
P14		39		65		39	<u>1319</u>
P15		42		70		42	<u>1321</u>
P16		45		75		45	<u>1323</u>
P17		48		80		48	<u>1325</u>
P18		51		85		51	<u>1327</u>
P19		54		90		54	<u>1329</u>
P20		57				57	<u>1331</u>
		60				60	<u>1333</u>
						63	<u>1335</u>
						66	<u>1337</u>

6233

TKT 18180

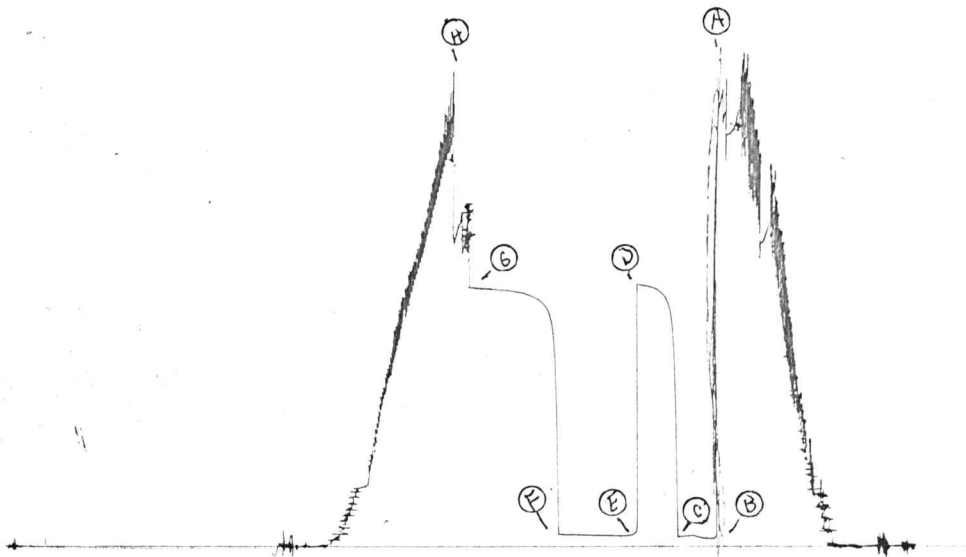
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TKT 18180

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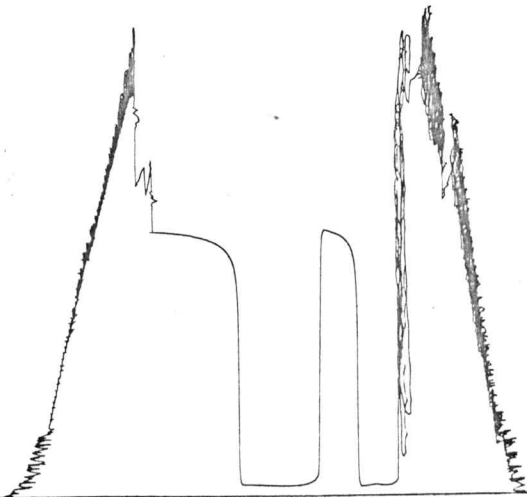


13400

TKT

18180

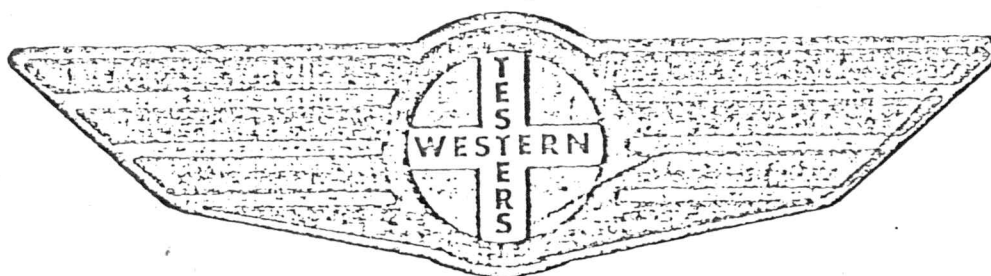
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 10/14/84
CUSTOMER: EH WOOD JR
WELL: 3
ELEVATION (KB): 1575
SECTION: 20
RANGE: 8W
GAUGE SN #6233

TEST: 1

COUNTY: HARPER
RANGE: 4000

TICKET #18180
LEASE: BEAR
GEOLOGIST: POULSEN
FORMATION: MISS
TOWNSHIP: 31S
STATE: KS
CLOCK: 12

INTERVAL TEST FROM: 4375 FT TO: 4382 FT TOTAL DEPTH: 4382 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4370 FT SIZE: 6 3/4 IN PACKER DEPTH: 4375 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: UNION

MUD TYPE: POLYPAC

WEIGHT: 9.2

CHLORIDES (P.P.M.): 12000

JARS - MAKE: NO

DID WELL FLOW? NO

DRILL COLLAR LENGTH: 619

WEIGHT PIPE LENGTH:

DRILL PIPE LENGTH: 3729

TEST TOOL LENGTH: 27

ANCHOR LENGTH: 7

SURFACE CHOKE SIZE: 3/4

MAIN HOLE SIZE: 7 7/8

VISCOSITY: 68

WATER LOSS (CC): 13.6

SERIAL NUMBER:

REVERSED OUT? NO

FT I.D.: 2.2 IN

FT I.D.: IN

FT I.D.: 3.8 IN

FT TOOL SIZE: 5 1/2 OD IN

FT SIZE: 5 1/2 OD IN

IN BOTTOM CHOKE SIZE: 3/4 IN

IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD STRONG INCREASING BLOW
-BOTTOM OF BUCKET 1 MIN.

RECOVERED: 62	FT	OF: MUD-NO SHOW
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: GAS TO SURFACE 20 MIN. INTO INITIAL FLOW PERIOD
CLORIDES 28000

TIME SET PACKER(S): 9:35 PM

WELL TEMPERATURE: 119 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 60

FINAL CLOSED IN PERIOD MIN: 66

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 12:35 AM

(A) 2116 PSI

(B) 44 PSI TO (C) 53 PSI

(D) 1354 PSI

(E) 56 PSI TO (F) 64 PSI

(G) 1337 PSI

(H) 2056 PSI

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GEOLOGIST: POULSEN

STATE: KS

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

20				GAS TO SURFACE IN 20 MIN
30	MERLA	1/2	6 PSIG	86300 CFPD

SECOND FLOW

10	MERLA	1/2	13 PSIG	134000 CFPD
20		"	15 PSIG	147000 " "
30		"	16 PSIG	153000 " "
40		"	18 PSIG	166000 " "
50		"	"	"
60		"	"	"

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: