

Company Associated Petroleum Consultants, Inc. Lease & Well No. Klingberg #1
 Elevation - Formation Indian Cave Effective Pay - Ft. Ticket No. 11924
 Date 11/21/81 Sec. 34 Twp. 28S Range 11W County Pratt State Kansas
 Test Approved by W W Scott Western Representative Mike Rogers
 Formation Test No. 1 Interval Tested from 2630 ft. to 2640 ft. Total Depth 3304 ft.
 Packer Depth 2625 ft. Size 6 5/8 in. Packer Depth 2640 ft. Size 6 5/8 in.
 Packer Depth 2630 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set 2645
 Top Recorder Depth (Inside) 2608 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 2633 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth 2640 ft. Recorder Number 13271 Cap. 4400
 Drilling Contractor Heartland Drilling Drill Collar Length 120 I. D. 2.2 in.
 Mud Type - Viscosity - Weight Pipe Length - I. D. - in.
 Weight - Water Loss - cc. Drill Pipe Length 2464 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 46 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 3660 Anchor Length 10 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No 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 in.

Blow: _____

 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: Hook wouldn't set. Tried to set hook twice from 2635' to 2655'

MISRUN NO PRESSURES AVAILABLE

Time Set Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
Initial Hydrostatic Pressure	-	(A)	-	P.S.I.
Initial Flow Period		Minutes	(B)	P.S.I. to (C) - P.S.I.
Initial Closed In Period		Minutes	(D)	P.S.I.
Final Flow Period		Minutes	(E)	P.S.I. to (F) - P.S.I.
Final Closed In Period		Minutes	(G)	P.S.I.
Final Hydrostatic Pressure		(H)	-	P.S.I.

TKT # 11924
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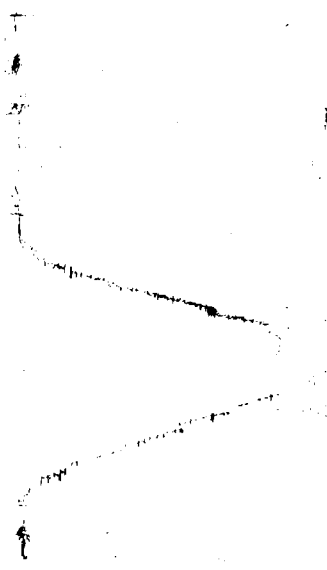


TKT # 11924
O

3086



TKT # 11924
Below Straddle





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 11924 OK

P. O. BOX 1699 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation Indian Lake Eff. Pay _____ Ft.

District Pratt Date 11-21-81 Customer Order No. _____

COMPANY NAME A.P.C. Associated Pubs. Cons.

ADDRESS Suite 600 ONE Main Place Wichita, Ks. 67202

LEASE AND WELL NO. Klingberg #1 COUNTY Pratt STATE Ks. Sec. 34 Twp 28 Rge 11 W

Mail Invoice To Klingberg #1 Co. Name _____ Address _____ No. Copies Requested _____

Mail Charts To _____ Address _____ No. Copies Requested _____

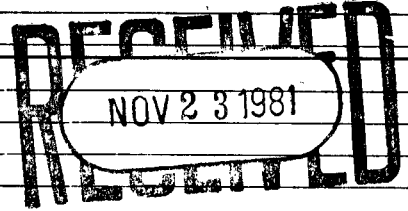
Formation Test No. 1 Interval Tested from 2630 ft. to 2640 ft. Total Depth 2304 ft.
Packer Depth 2625 ft. Size 6 5/8 in. Packer Depth 2640 ft. Size 6 5/8 in.
Packer Depth 2630 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set 2645

Top Recorder Depth (Inside) 2608 ft. Recorder Number 1566 Cap. 4300
Bottom Recorder Depth (Outside) 2633 ft. Recorder Number 3056 Cap. 4500
Below Straddle Recorder Depth 2640 ft. Recorder Number 13271 Cap. 4400

Drilling Contractor Heartland Ariz. Drill Collar Length 120 I. D. 2.2 in.
Mud Type _____ Viscosity _____ Weight Pipe Length _____ I. D. _____ in.
Weight _____ Water Loss _____ cc. Drill Pipe Length 2464' I. D. 3.5 in.
Chlorides _____ P.P.M. Test Tool Length 48' ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 10 ft. Size 5 1/2 in.
Did Well Flow? no Reversed Out no Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 in.

Blow: _____

Recovered _____ ft. of
Recovered _____ ft. of
Recovered _____ ft. of
Recovered _____ ft. of
Recovered _____ ft. of



Remarks: Hook wouldn't set! Tried to to set Hook twice from (2635-2655)

Time On Location 8:30 A.M. Time Pick Up Tool 9:00 A.M. Time Off Location _____ A.M.
Time Set Packer(s) _____ P.M. Time Started Off Bottom _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure _____ (A) _____ P.S.I.
Initial Flow Period _____ Minutes (B) NO P.S.I. to (C) _____ P.S.I.
Initial Closed In Period _____ Minutes (D) _____ P.S.I.
Final Flow Period _____ Minutes (E) Pressure P.S.I. to (F) _____ P.S.I.
Final Closed In Period _____ Minutes (G) _____ P.S.I.
Final Hydrostatic Pressure _____ (H) _____ P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]
Signature of Customer or his authorized representative

Western Representative Mike Rogers Thank You!

FIELD INVOICE

Open Hole Test \$ _____
Misrun \$ 400.00
Straddle Test \$ 300.00
Jars \$ 300.00
Selective Zone \$ 200.00
Safety Joint \$ 65.00
Standby \$ _____
Evaluation \$ _____
1 Extra Packer \$ 250.00
Circ. Sub. \$ _____
1 Mileage \$ 15 @ .25
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
TOTAL \$ 1626.25