Company Associated Petroleum Consultants, Inc. Lease & Well No. Hirt Farms #1

Elevation 1841 Kelly Bushing Formation Indian Cave Effective Pay ---- Ft. Ticket No. 8535

Date 11/7/80 Sec. 10 Twp. 29S Range 11W County Pratt State Kansas

Test Approved by W. Bryce Bidleman Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 2658 ft. to 2690 ft. Total Depth 3150 ft.

Packer Depth 2653 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2658 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set 2692

Top Recorder Depth (Inside) 2661 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 2687 ft. Recorder Number 11018 Cap. 4425

Below Straddle Recorder Depth 3147 ft. Recorder Number 1565 Cap. 4900

Drilling Contractor Trans-Pac Drilling Rig #1 Drill Collar Length 460 I. D. 2.2 in.

Mud Type starch Viscosity 41 Weight Pipe Length - I. D. - in.

Weight 9.1 Water Loss 13.8 cc. Drill Pipe Length 2636 I. D. 3.8 in.

Chlorides 23,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number -- Anchor Length 32 ft. Size 5½OD in.

Did Well Flow? Yes Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½FH in.

Blow: Strong. Gas to surface four minutes. See attached sheet for gas measurements.

Recovered 480 ft. of water Chlorides 40,000 ppm

Recovered ft. of 60,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Started blowing water ten minutes into final flow period.

Time Set Packer(s) 3:30 ~~A.M.~~ P.M. Time Started Off Bottom 6:30 ~~A.M.~~ P.M. Maximum Temperature 119°

Initial Hydrostatic Pressure ..... (A) 1330 P.S.I.

Initial Flow Period ..... Minutes 25 (B) 199 P.S.I. to (C) 251 P.S.I.

Initial Closed In Period ..... Minutes 57 (D) 713 P.S.I.

Final Flow Period ..... Minutes 30 (E) 210 P.S.I. to (F) 298 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 704 P.S.I.

Final Hydrostatic Pressure ..... (H) 1222 P.S.I.

GAS FLOW REPORT

Date 11/7/80 Ticket 8535 Company Associated PetroleumConsultants,Inc.

Well Name and No. Hirt Farms #1 Dst No. 1 Interval Tested 2658' to 3150'

County Pratt State Kansas Sec. 10 Twp. 29S Rg. 11W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Gas to surface four minutes.			**PRE FLOW**			
	10 min.	30 PSIG	3/4" orifice			522,000 CFPD
	20 min.	46 PSIG	3/4" orifice			708,000 CFPD
	30 min.	54 PSIG	3/4" orifice			802,000 CFPD
			SECOND FLOW			
						Started blowing water ten
						minutes into final flow.

GAS BOTTLE

Serial No. 614 Date Bottle Filled 11/7/80 Date to be Invoiced 11/7/80

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 1½% 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 Associated Petroleum Consultants,Inc.

Authorized by W. Bryce Bidleman

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 11/7/80 Test Ticket No. 8535

Recorder No. 5673 Capacity 5400 Location 2661 Ft.

Clock No. - Elevation 1841 Kelly Bushing Well Temperature 119 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1330 P.S.I.	Open Tool	3:30P M	
B	First Initial Flow Pressure	199 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C	First Final Flow Pressure	251 P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mins.
D	Initial Closed-in Pressure	713 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	210 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	298 P.S.I.			
G	Final Closed-in Pressure	704 P.S.I.			
H	Final Hydrostatic Mud	1222 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 5 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	199
P 2	5	180
P 3	10	202
P 4	15	230
P 5	20	243
P 6	25	251
P 7		
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In

Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	251
	3	620
	6	631
	9	642
	12	656
	15	675
	18	678
	21	684
	24	694
	27	699
	30	702
	33	704
	36	706
	39	708
	42	710
	45	710
	48	711
	51	712
	57	713

Second Flow Pressure

Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	210
	5	251
	10	265
	15	284
	20	298
	25	298
	30	298

Final Shut-In

Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	298
	3	617
	6	628
	9	637
	12	642
	15	653
	18	661
	21	669
	24	675
	27	678
	30	683
	33	686
	36	690
	39	694
	42	696
	45	700
	48	701
	51	702
	57	703
	60	704

$5615
DST #1

IKT # 8535

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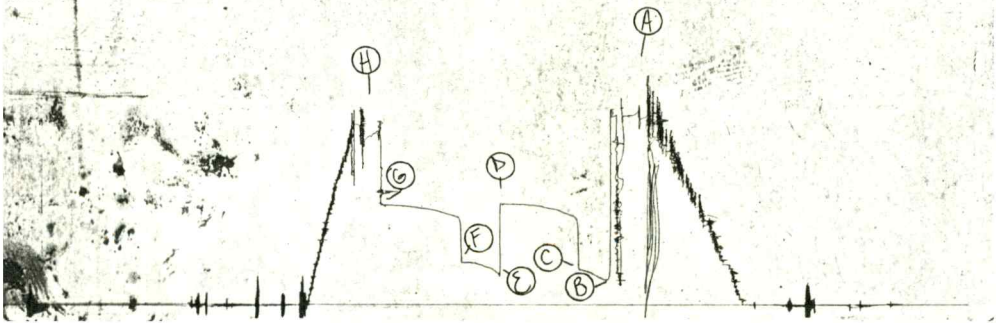

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DST #1

IKT # 8535
BELOW STRADDLE