

T.G. EASTLAND — testers Ltd.

R.R. No. 6, NORTH EDMONTON, ALBERTA

Test No. 1

Date Mar. 4/71

Ticket No. 1676

SERVICE REPORT

WELL NAME SOBC Wm. E. Porcupine Y11-13 ADDRESS 400 - 5 Avenue S.W. - Calgary

AREA Eagle Plains LSD. 66° 02' N 137° 46' W INVOICE TO Chevron Standard Limited

CONTR. & RIG No. G.P. #14 T/PUSH D. Tegukam CUSTOMER'S REPRESENTATIVE Ralph Hansen

Date & Time Requested On lease		DESCRIPTION OF BLOW DURING TEST				TOOL SEQUENCE & EQUIP. USED		
Call	Arr.	Good air blow on preflow. Dead in 10 mins. on ISI. Weak blow throughout flow period, decreasing throughout. Dead in 10 mins. on FSI				Tools	Length	O.D.
Start in 8:30 am	On Bott. 4:00 pm					Critical Flow Prover		
Pull Loose 7:43 pm	Out Hole 12 pm					Floor Manifold		
TESTING DATA						Meter Run		
Zone Tested	Blackie					Remote Control Head		
Interval	3620 to 3658 T.D. 3658					Bar-droppers	sub	yes
Int. Casing: Size	13-3/8 in. 545 grade J-55	Blow Measured with: Pitot Tube <input type="checkbox"/>				Pump Out Sub	1.00	4-3/4
Feet of Main Hole	3658 Diam 8-3/4	Fluid Used: Water <input type="checkbox"/> Mercury <input type="checkbox"/> Side Static <input type="checkbox"/>				Cross Over Subs	1.70	5-3/4
Feet of Rat Hole	Diam.	Flow Prover <input type="checkbox"/> Gauge <input type="checkbox"/> Size Gauge lbs.				Tight Hole Tool		
Type of Test	Dual bottom hole	Time	Choke	Reading	MCF/Day	Dry Collar Valve		
Packers: No.	2 O.D. 7-3/4					Cross Over Sub	.45	5-3/4
Type of Packers	Conventional					Test Assembly	12.15	4-3/4
Drill Pipe: Size - Thread	4 1/2 H90					Sampler	4.90	4-3/4
Drill Collars: I.D.	2-7/8 O.D. 7"					Jars	8.38	6-1/8
No. Ft. Collars	465.65 D.P. 3193					Straddle By-pass		
No. Feet Drill Pipe Above Table	15'	FLUID RECOVERY (In Feet)				Safety Joint	1.74	4-3/4
Ft. & Type Cushion		Pipe	Collars	Total		Packer	2	9.10 7034/
Was Tool Chased	Yes No. Ft. 25'	Mud	Oil	Water		Packer		
Weight Set on Packers	25M	Describe Fluids: Top - water cut mud				TOTAL	39.42	
Did Fluid Drop	yes No. Ft. 15'	Middle - Water cut mud.				Packer end	2.20	4-3/4
Describe	While tool was being chased, mud held good after packer seat attained	Bottom - Mud.				perfs.	5.00	4-3/4
Preset	30 min. Time Tool Opened 4:55 pm	Sampler Drained: On Location <input checked="" type="checkbox"/> Laboratory <input type="checkbox"/>				B.C. out	4.50	4-3/4
Preflow	8 min. Init. Shut-in 30 min.	Sampler Press. lbs.				perfs.	5.00	4-3/4
Flowed	65 min. Final Shut-in 65 min.	Bottom Hole Temp. °F				B.C. in	4.50	4-3/4
Pull Loose	20M lbs. Swabbing? no	Salinity of Recovery P.P.M.				Perfs & BN	17.50	4-3/4
Drilling Fluid Type	Gel chem	Salinity of Mud Filtrate P.P.M.				TOTAL	38.70	
Visc.	58 Wgt. 9.5 WL. 8.2 F.C. 2/32					TOTAL PICKED UP	78.12	

FIELD PRESSURE DATA		
Pressure Element No.	3468	3469
Element Capacity (psig)	5450	5400
Clock Speed (Hrs.)	24	24
Depth of Bellows	3627	3637
Position (Inside - Outside)	Outside	Inside
Initial Hydrostatic	1801	1845
Preflow Pressure	281	287
Initial Shut-In	446	448
First Flow—Choke Size	279	283
Second Shut-In		
Second Flow—Choke Size	283	285
Final Shut-In	409	414
Final Hydrostatic	1803	1863

1. Cross-over sub to bottom of top rubbers 39.42
 2. Bottom of top rubbers to top of lower
 3. Top of lower to bottom of lower rubbers
 4. Bottom of lower rubbers to Total Depth
 5. Bottom of top rubbers to Total Depth 38.70
- (Delete measurement No. 5 if Straddle)
 (Delete No. 2 - 3 - 4 if Std. bottom hole)
- Total amount of customer's anchor
- No. of Damaged Rubbers and Sizes 1 - 7 3/4"
- No. Samplers Retained No. of Reports Required 5
- Mileage: Highway Bush Total
- Waiting Time 17 days Feb. 16 to Mar. 3, 1971

REMARKS:

APPROVED BY TEST WAS: Successful / OUR OPERATOR R. Larson

Ticket No. 1676
DST # one
March 4, 1971
Element # 3468

ATTACHMENT NO. 1

I. Initial Shut-In

<u>Time</u>	<u>Pressure</u>
0 mins.	281
5	334
10	368
15	392
20	413
25	430
30	446

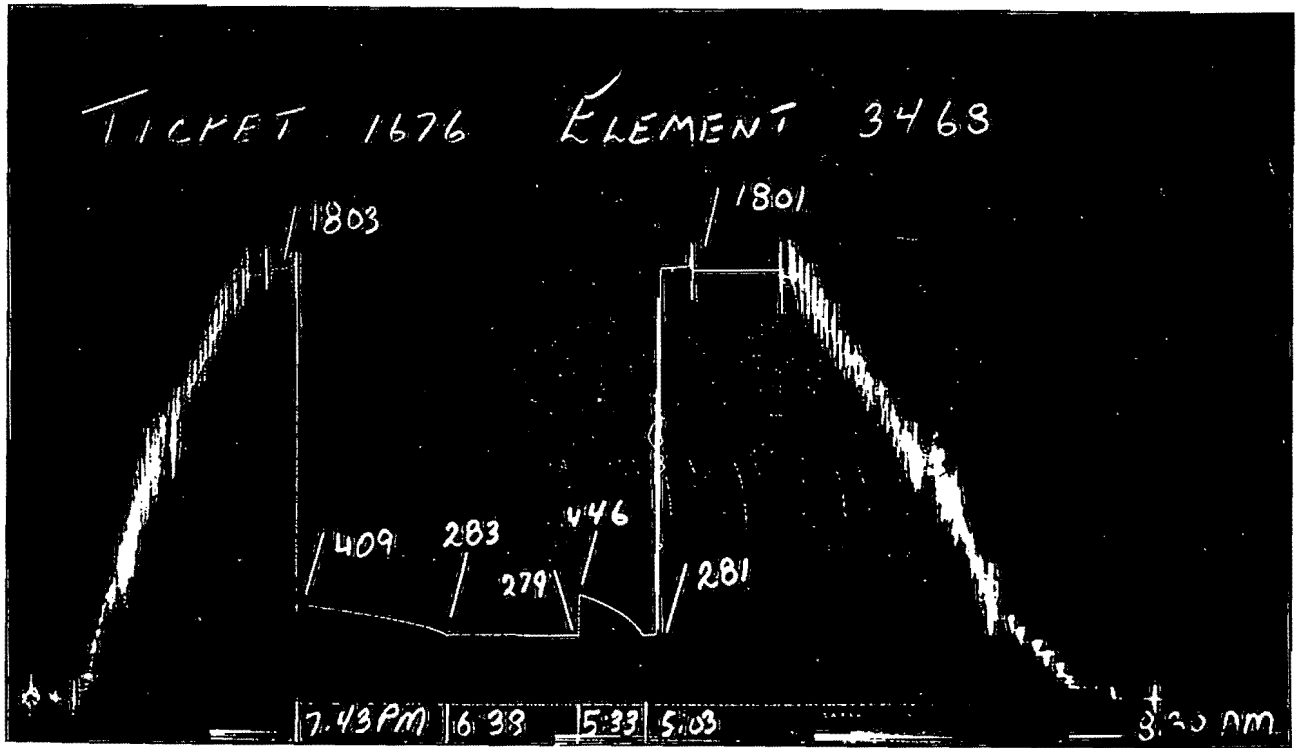
II. Final Shut-in

<u>Time</u>	<u>Pressure</u>
0 mins.	283
5	302
10	317
15	328
20	339
25	349
30	357
40	371
50	388
60	403
65	409

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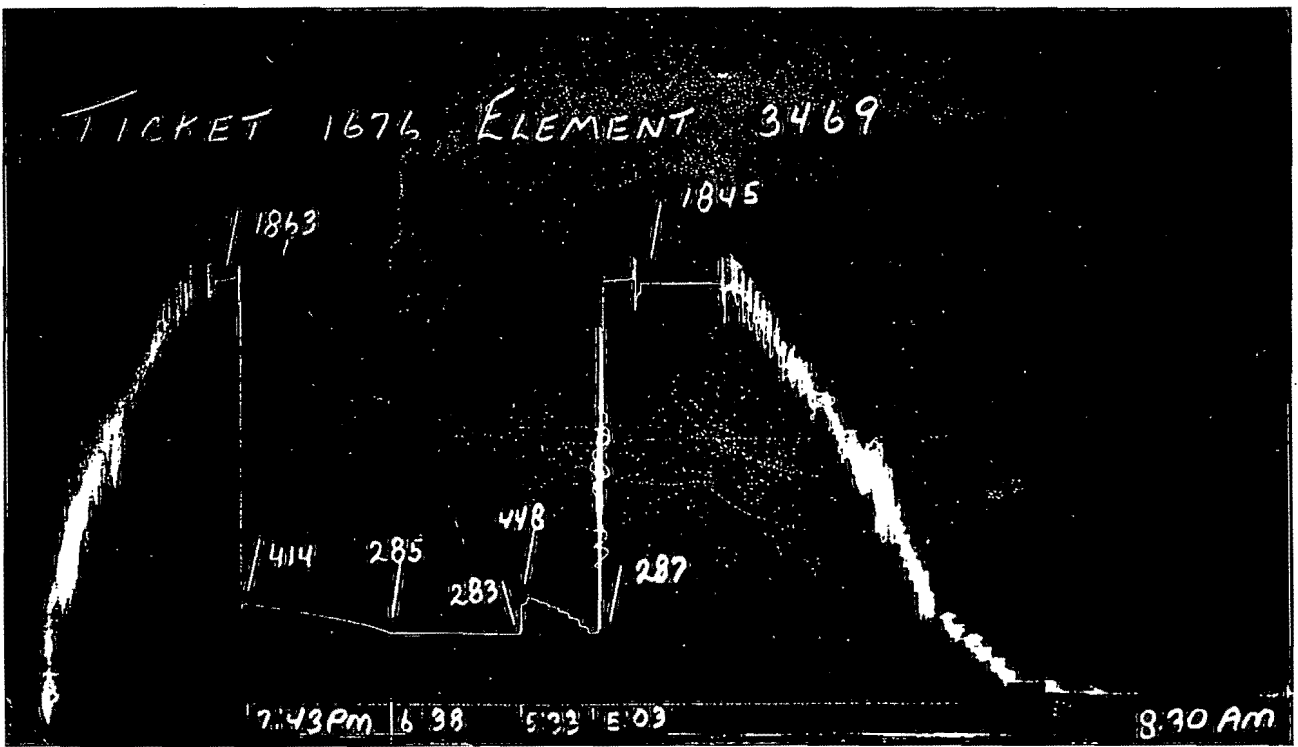
TEST No. 1
Date Mar. 4/71
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WELL NAME SOBC Wm. E. Porcupine Y.Tl.-13
RECORDER No. 3468 ELEMENT RANGE 5450 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 3627



TIME

RECORDER No. 3469 ELEMENT RANGE 5400 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 3637



TIME



CORE LABORATORIES -- CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING



GAS ANALYSIS

Company Chevron Standard Limited Page 1 of 1
 Well _____ File 921-1331
 Field _____ Analyst PB
 Location _____ Elevation: K.B. _____ Grd. _____
 Formation _____ Depth _____
 Sampled from E. Porc. #7 by _____
 Sampling pressure _____ psig Sampling temp. _____ °F Ambient temp. _____ °F
 Date sampled _____ Date received Apr. 30/71 Date analysed Apr. 30/71
 Container pressure 6 psig Mud _____ Water cushion _____
 Recovery or flowrate: _____

<u>COMPONENT</u>	<u>MOLE %</u>	<u>IMP. GPM @ 14.65 psia and 60° F</u>
Hydrogen	_____	_____
Helium	_____	_____
Nitrogen	<u>.38</u>	_____
Carbon Dioxide	<u>4.64</u>	_____
Hydrogen Sulphide	<u>.00</u>	_____
Methane	<u>89.96</u>	_____
Ethane	<u>3.61</u>	_____
Propane	<u>.78</u>	<u>.178</u>
Iso Butane	<u>.18</u>	<u>.049</u>
Normal Butane	<u>.20</u>	<u>.052</u>
Iso Pentane	<u>.09</u>	<u>.027</u>
Normal Pentane	<u>.06</u>	<u>.016</u>
Hexanes	<u>.06</u>	<u>.020</u>
Heptanes Plus	<u>.04</u>	<u>.015</u>
Total	<u>100.00</u>	<u>.359</u>
Pentanes Plus	_____	<u>.080</u>

SPECIFIC GRAVITY

Calculated .636 Measured _____

GROSS B.T.U. per SCF 1061.8

Calculated @ 14.65 psia, 60°F, moisture and acid - gas free.

VAPOR PRESSURE of PENTANES PLUS

(calculated) 12.4 psia @ 100°F

Pseudo Critical Pressure 690.7 psia

Pseudo Critical Temperature 366.0 °R

Remarks Cylinder #C-169