

Permian Basin: (575) 390-3070
Rocky Mtn: (307) 689-3314

BULLDOG TESTERS

WELL TEST REPORT

Technical Services
(888) 389-8389

Well Owner: Encana Oil & Gas (USA) Inc
Well Name & Number: Lybrook H36 - 2307 1H
Location: S-36 T-23N R-7W
Test Number: 1
Service Order Number: 9329

Test Interval: 5466' - 5666'
Field: Wildcat
County: Sandoval
State: New Mexico
Bulldog Technician: Mark Luna

TEST SEQUENCE					TOOL SEQUENCE				
Description	Date	Time	Pressure	Mcf/D	Component	OD (in)	ID (in)	Length (ft)	Depth (ft)
Set Packers	12/28/2011	16:34			Drillpipe	4.50	3.826	4943.37	
Start flow on 1/8" choke		16:36	1.0"		HW Drillpipe	4.50	2.875	305.54	
		16:37	2.0"		Drillcollars	6.25	2.25	114.87	
		16:38	3.0"		Circulating sub	6.00	2.25	1.00	
		16:39	4.5"		Drillcollars	6.25	2.25	59.22	
		16:40	6.0"		Crossover sub	6.00	2.25	1.00	
End flow - Start shut in		16:41	6.0"		Recorder	5.00	1.12	4.00	5425
End shut in		17:41			Shut in tool / Sampler	5.00	0.68	8.50	5429
Start flow on 1/8" choke		17:41	8.0"		Hydraulic tool	5.00	1.18	5.22	
		17:46	6.0"		Recorders	5.00	1.12	5.69	5443 / 45
		17:51	5.0"		Jars	5.00	1.87	5.68	
		17:56	3.5"		Packer	7.875	1.50	6.22	5460
		18:01	2.5"		Packer	7.875	1.50	6.22	5466
		18:06	2.0"		Perfs	5.00	3.00	9.00	
		18:11	1.5"		Crossover sub	6.00	2.25	1.00	
		18:16	1.5"		Drillcollars	6.25	2.25	174.48	
		18:21	1.0"		Crossover sub	6.00	2.25	1.00	
		18:26	0.5"		Perfs	5.00	3.00	13.00	
		18:31	0.5"		Bullnose	5.00	0.00	1.00	5666 TD
		18:36	0.25"						
End flow - Start shut in		18:41	0.25"						
End shut in		21:41							
Pulled tool		21:42							

Report Prepared by: Michael Hudson



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INSTRUMENT DATA				WELL DATA	
Instrument Number:	71158	70420	73159	Mud Type: Lignite	Mud Wt.: 9.0
Capacity (psig)	10000	10000	10000	Viscosity: 17	Water Loss: 6.0
Depth (ft)	5445	5443	5425	Resistivity of Mud:	4.6
Inside / Outside	Inside	Inside	In / Above Tool	Resistivity of Filtrate:	70
Clock Capacity:	Elec	Elec	Elec	Chlorides:	1,200
Temperature (f)	128.1	128.3	128.0	H2S During Test:	
Initial Hydrostatic:	2571	2568		Formation:	Gallup
Pre-Flow:	63 - 59	51 - 55	13 - 53	Net Pay	
Initial Shut-in:	130	129	52	Elevation:	7265' GL
2nd Flow:			No Leaks	Total Measured Depth:	5666'
2nd Shut-in:			Above Tool	Open Hole Size:	8 1/2"
Final Flow:	43 - 48	36 - 46	52 - 39	Casing Size:	9 5/8"
Final Shut-in:	206	204	39	Cushion:	
Final Hydrostatic:	2573	2571		Bottom Choke Size:	0.68

PIPE RECOVERY

15' Gas cut mud = 0.07 bbl.

Rw 4.6 @ 70 deg F/1,200 ppm Cl

SAMPLER REPORT

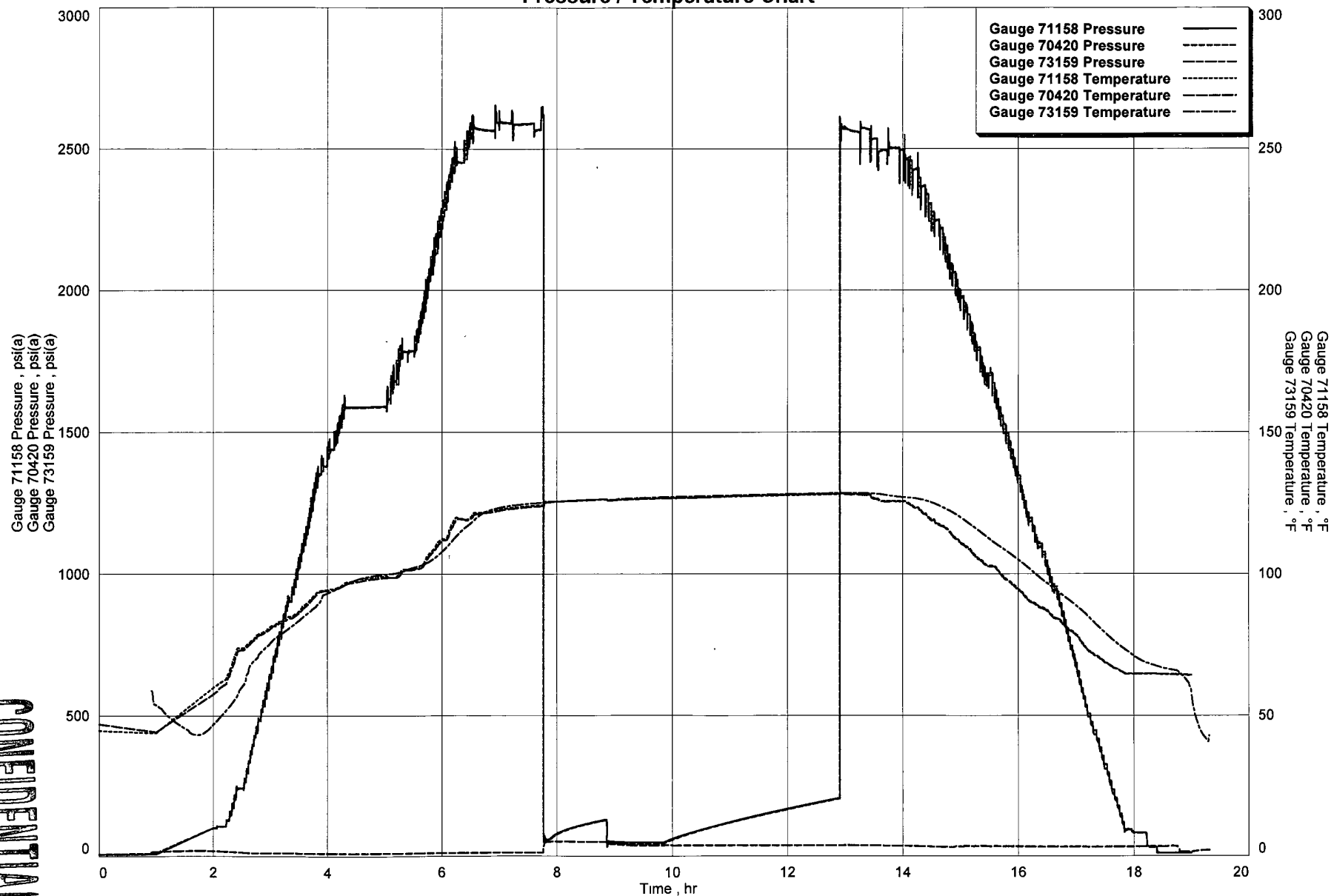
Total Volume of Sample:	1500	CC	
Pressure in Sampler:	43	Psi	
Gas:	0.05	Cu.Ft.	
Oil:	0	CC	Gravity:
Water:	0	CC	Resistivity:
Mud:	1500	CC	Resistivity: 4.6 @ 70 deg F/1,200 ppm Cl

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Pressure / Temperature Chart



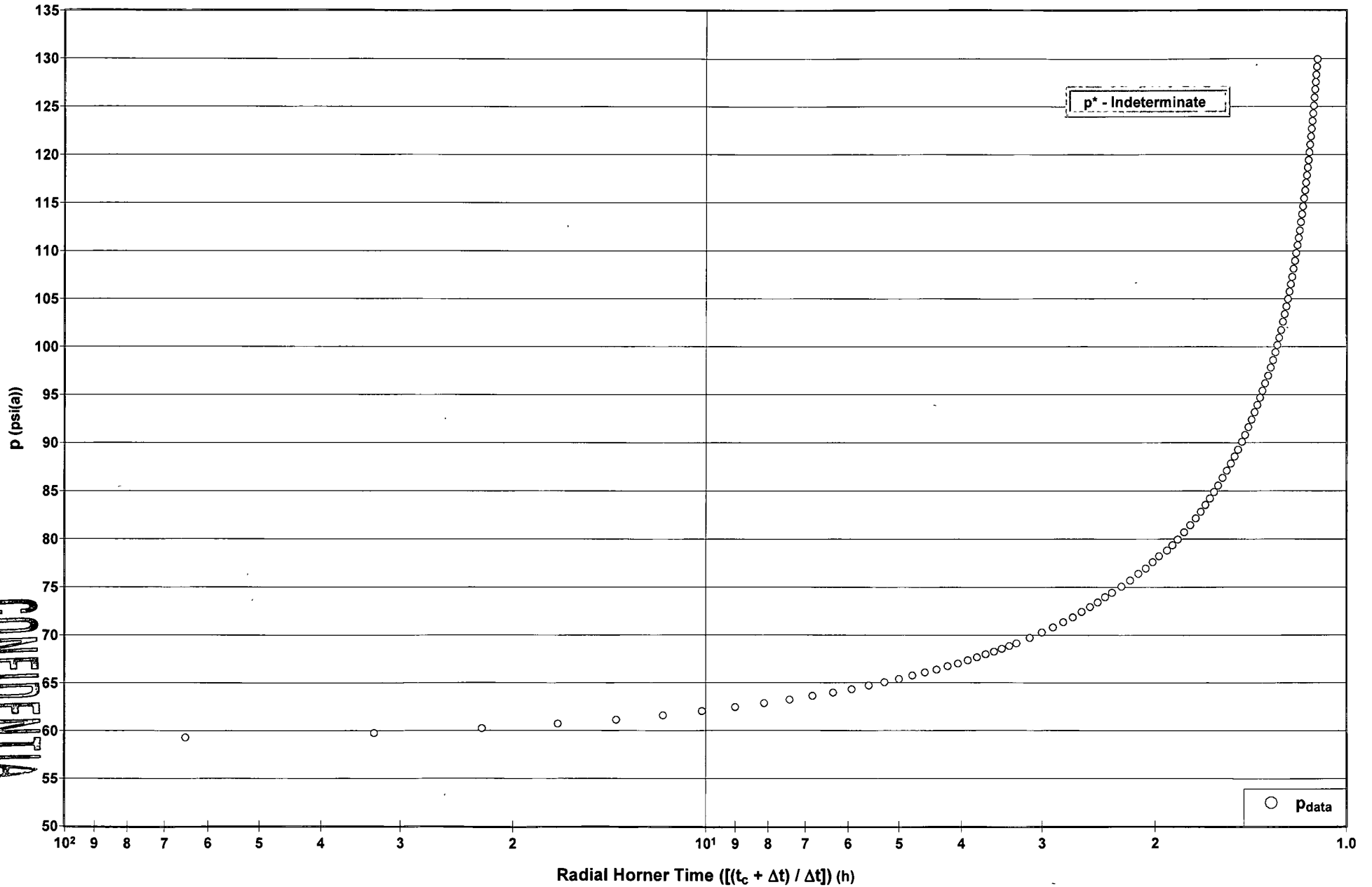
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Encana Oil & Gas (USA) Inc
Interval: 5466' - 5666'

Diagnostic Plot - Shut In 1

Radial

Lybrook H-36 2307 1H, Dst 1
Formation: Gallup

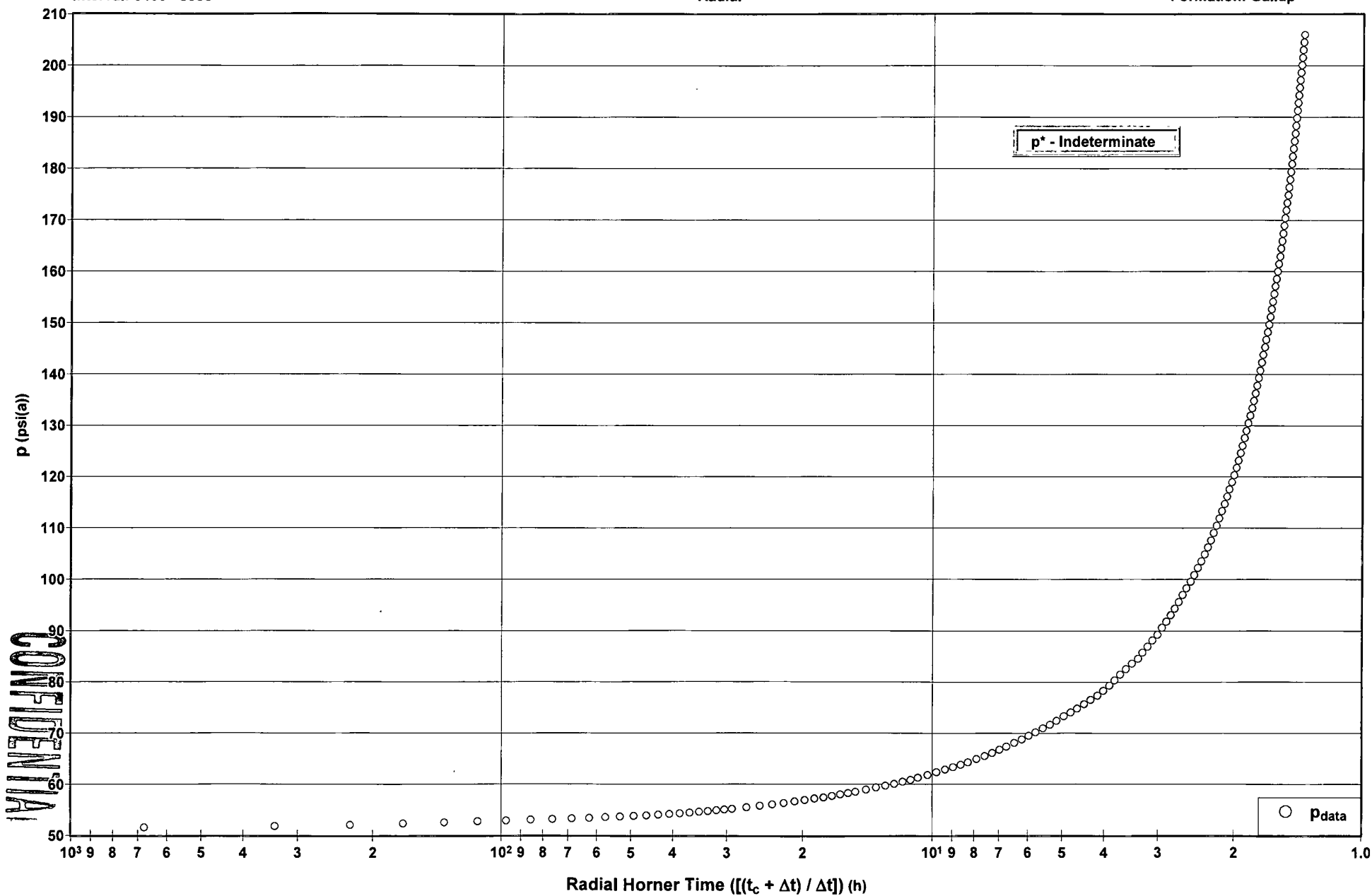


Encana Oil & Gas (USA) Inc
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Diagnostic Plot - Shut In 2

Radial

Lybrook H-36 2307 1H, Dst 1
Formation: Gallup



Encana Oil & Gas (USA) Inc
Interval: 5466' - 5666'

Diagnostic Plot - Shut In 2

Typecurve

Lybrook H-36 2307 1H, Dst 1
Formation: Gallup

