

RECEIVED

DEC 24 1974

O. O. C.
ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. DRAWER "DD"

ARTESIA, NEW MEXICO 88210

AIR MAIL

NOTICE OF GAS CONNECTION

DATE December 20, 1974.

This is to notify the Oil Conservation Commission that connection
for the purchase of gas from the Hanson Oil Corp. . Big Buck-Pounds Com.
Operator Lease
Well #1 - Unit Letter * . 27-17S-26E . *Randy Faires* . Transwestern .
Well Unit S.T.R. Pool Name of purchaser
* Unknown Eddy County (Morrow)

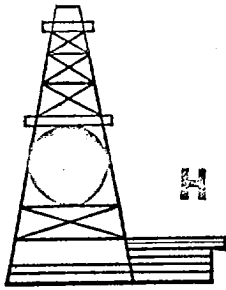
was made on December 17, 1974.

Transwestern Pipeline Company

H. N. Aicklen H. N. Aicklen
Representative

Supervisor Gas Purchase Contract Administration
Title

cc: Operator
Oil Conservation Commission - Santa Fe



HANSON OIL CORPORATION

P. O. BOX 1515

ROSWELL, NEW MEXICO 88201

PHONE AC 505-622-7330

October 15, 1974

OCT 16 1974

New Mexico Oil Conservation Commission
P. O. Drawer DD
Artesia, New Mexico

O. C. C.
ARTESIA, OFFICE
Re: Big Buck Pounds Comm. #1

Gentlemen:

Enclosed are the following:

Form C-105 w/attachments
Comp. Densilog, Micro-Laterolog,
Laterolog, Deviation Survey, DST #1

Form C-104

Form C-122

Please return one copy of all forms when approved to this office.

Thank you.

Yours very truly,

HANSON OIL CORPORATION

Ray Willis
Ray Willis
Vice President - Production

RW:sj

Enclosure a/s

*Form C-104 will not be approved until
we receive a notice of gas connection from
the transporter.*

W.A.A.

NEW MEXICO OIL CONSERVATION CO. SSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Copy 651
C-122
Form C-122
Revised 9-1-65
RECEIVED 11/18/74

OCT 16 1974

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-16-74	
Company Hanson Oil Corporation				Connection O. C. C. ARTESIA, OFFICE	
Pool Wildecut				Formation Morrow	
Completion Date 6-26-74		Total Depth 8821		Plug Back TD 8798	
Elevation 3324 Gr		Form or Lease Name Big Buck Pounds Comm.			
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 8821	Perforations: From 8624 To 8642	
Thq. Size 2 3/8	Wt. 4.7	d 1.995	Set At 8567	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 8567	
Producing Thru Tubing		Reservoir Temp. °F 148 @ 8533		Mean Annual Temp. °F 60	
Baro. Press. - P _a 13.2		State New Mexico			
L .8633	H 8633	Gg 0.636	% CO ₂ 0.26%	% N ₂ 0.59%	% H ₂ S Nil
Prover Pos. Ck.		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	52 hrs						2488		Pkr.		
1.	2"	X	8/64"	2340		70	2340	70	"		45 Min.
2.	2"	X	10/64"	2026		70	2026	70	"		1 Hr.
3.	2"	X	13/64"	1746		70	1746	70	"		1 Hr.
4.	2"	X	16/64"	1484		70	1484	70	"		1 Hr.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	0.2618		2353.2	0.9905	1.254	1.169	894.5
2	0.4173		2039.2	0.9905	1.254	1.166	1232.4
3	0.7208		1759.2	0.9905	1.254	1.154	1817.5
4	1.1120		1497.2	0.9905	1.254	1.136	2349.2
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	3.50	530	1.44	0.732		0.	0.636	X X X X X X X X		
2	3.03	530	1.44	0.736						
3	2.62	530	1.44	0.751						
4	2.23	530	1.44	0.775						
5										

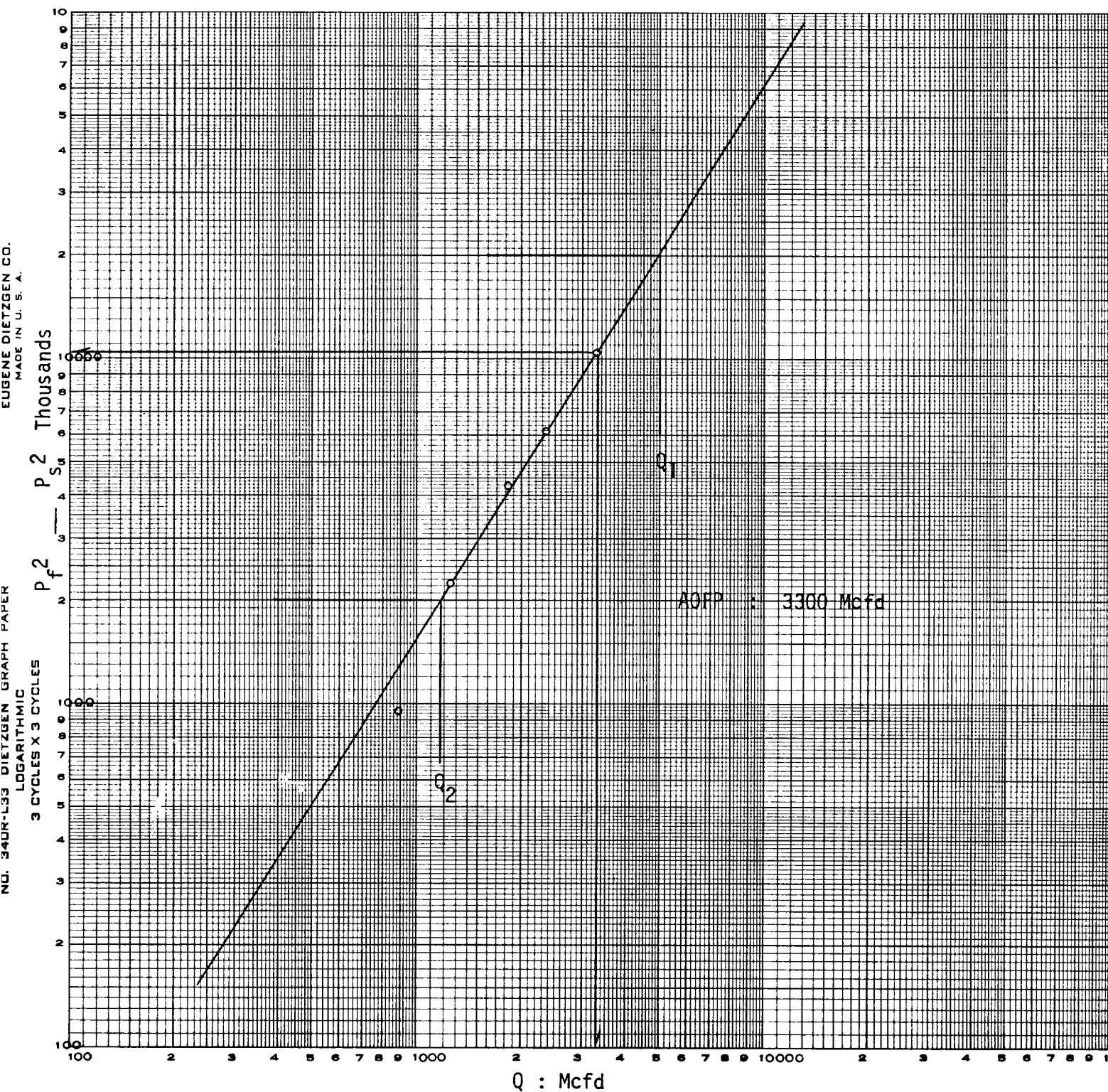
NO.	P _t ²	P _s ²	P _c ²	P _{f2} -P _s ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		3057.2	9346	953		
2		2841.2	8072	2227		
3		2457.2	6038	4261		
4		2027.2	4110	6189		
5						

Absolute Open Flow 3300 Mcfd @ 15.025		Angle of Slope θ 57° 36'		Slope, n 0.63451	
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Remarks: **BHP measured with Amerada RPG-3 gauge Serial No. 10190 0-4000 psi**

Approved By Commission:	Conducted By: Teffeller, Inc.	Calculated By: F. Teffeller	Checked By:
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Company : Hanson Oil Corporation
 Well : Big Buck Pour Comm. No. 1
 Field : Wildcat Well
 County : Eddy
 State : New Mexico
 Date : September 16, 1974



$Q_1 = 5000$; $\text{Log } Q_1 = 3.69897$
 $Q_2 = 1160$: $\text{Log } Q_2 = 3.06446$
 $n = 0.63451$
 $\theta = 57^\circ 36'$