

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-22-78		JUL 3 1978		
Company D. B. Baxter				Connection					
Pool Undesignated				Formation Bone Springs			Unit B.C.C. ARTERIA, OFFICE		
Completion Date 2-22-78		Total Depth 9052		Plug Back To 8500		Elevation 2995.5		Farm or Lease Name Ross Draw Unit	
Csg. Size 7 5/8"	Wt. 39#	d 6.625	Set At 8235	Perforations: Open Hole From 8250 To 8500				Well No. 54	
Tub. Size 2 3/8"	Wt. 4.70	d 1.995	Set At 8428	Perforations: O. H. From 8235 To 8500				Unit Sec. Twp. Rge. K 27 26S 30E	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single					Packer Set At 8215		County Eddy		
Producing Thru Tubing		Reservoir Temp. °F 148 @ 8367		Mean Annual Temp. °F 13.2		Baro. Press. - P _a		State New Mexico	
L 8428	H 8428	Gg 0.619	% CO ₂ 1.01	% N ₂ 1.12	% H ₂ S None	Prover	Meter Run 4"	Taps Flange	

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							1885	74	Packer		72 hrs.
1.			.750	450	29.4	74	572	68	Packer		4:15
2.											
3.											
4.											
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 O, Mcfd
1	2.661	115.02	463.2	.9868	1.271	1.091	419
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl.
1	1.46	534	1.51	0.840	20.24	
2						
3						
4						
5						

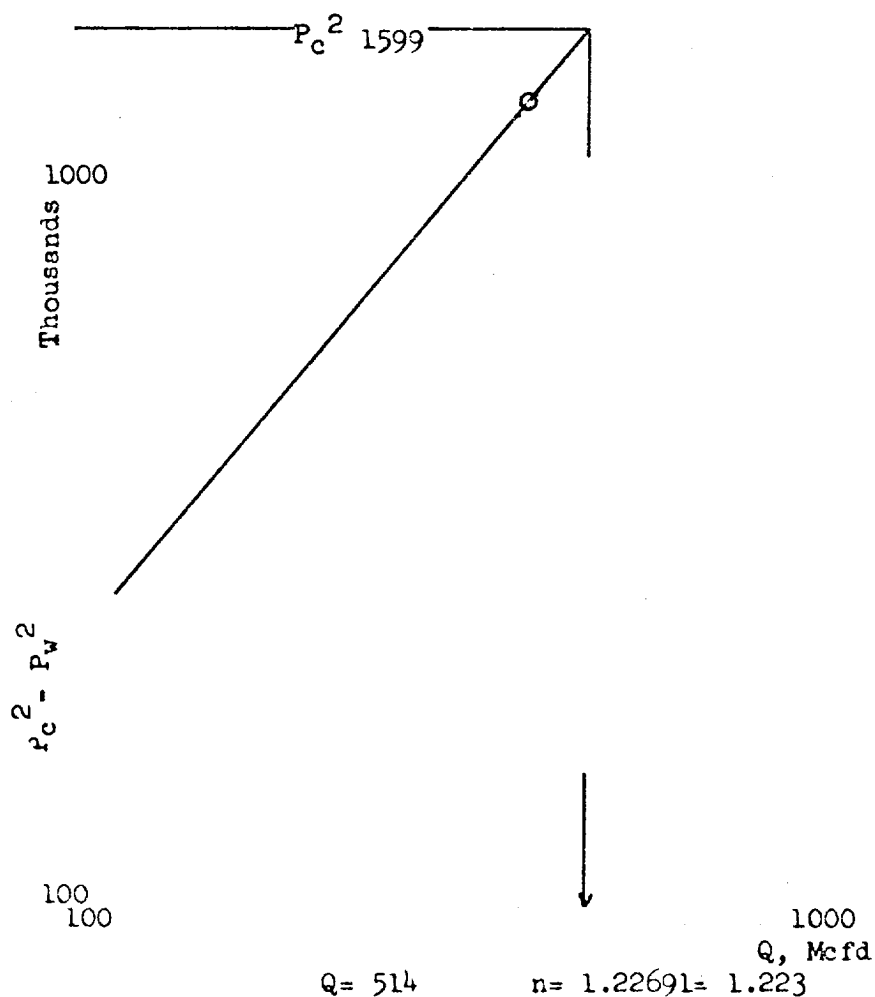
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R				
$P_c = 3997.2$ $P_c^2 = 1599$				

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.272$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.22691$
1	399	2	5852	342	1257	
2						
3						
4						
5						

Absolute Open Flow _____ 514 _____ Mcfd @ 15.025				Angle of Slope @ _____ 50°		Slope, n _____ .850	
Remarks: Bottom Hole Pressure measured with Amerada Type RPG-3 Gauge, No. 16527-4900# Range Wellhead pressures measured with Dead Weight Gauge.							

Approved By Commission:	Conducted By: Leon Arnett	Calculated By: Leon Arnett	Checked By: H. E. Eason
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Operat : D. B. Baxter
 Lease: Ross Draw Unit
 Well No: 5-Z
 Location: K 27 26S 30E
 County: Eddy
 Date: June 22, 1978



SUBSURFACE WELL TESTING

P. O. BOX 5254
MIDLAND, TEXAS 79701

"Quality Testing Oil & Gas Wells"

PHONE
915/682-7580

BOTTOM HOLE PRESSURE REPORT

Operator D. B. Baxter Lease Ross Draw Unit Well No. 528
Field Eddy County Wildcat Reservoir Bone Springs Datum _____
Test Date June 19, 1978 Well Status Flowing Hours Shut In _____
Tubing 2 3/8" Depth 8428' End _____ Packer 8215' S. N. _____
Casing 7 5/8" Depth 8235' Perf. O. H. 8235-8500' Total Depth P.B. 8500'

	Depth	Press. Lbs/Sq. In.	Press.	Gradient Lbs/Ft.
Tubing Press. 500#	Surface	499		
Casing Press.	8367	2714	2215	.265
Top of Fluid. Flowing	0	0		
Top of Water. Flowing	8367	2714	Ctr. of O. H.	.265
Temp. @ 8367 ... °F 148				
Elev. KB. GI				
Last Test Date. 6-22-78				
Press. Last Test. 3984#				
Change. 1270# Drop				
Inst. No. 16527 Cal. M-2				
Tested By. Leon Arnett				
Calcu. By. L. Arnett				
Prod. Index. Bbls/day/lb.				
Drop.				
Cumulative prod.				

Remarks:

SUBSURFACE WELL TESTING

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BOTTOM HOLE PRESSURE REPORT

Operator D. B. Baxter Lease Ross Draw Unit Well No. 58
Field Eddy County Wildcat Reservoir Bone Springs Datum _____
Test Date June 22, 1978 Well Status Shut In Hours Shut In 72:00
Tubing 2 3/8" Depth 8428' End _____ Packer 8225' S. N. _____
Casing 7 5/8" Depth 8235' Perf. O. H. 8235-8500' Total Depth P.B. 8500'

	Depth	Press. Lbs/Sq. In.	Press.	Gradient Lbs/Ft.
Tubing Press. <u>1885#</u>	Surface	1886		
Casing Press.	5000	2822	936	.187
Top of Fluid. <u>4630'</u>	7500	3571	749	.300
Top of Water. <u>6598'</u>	8367	3984	413	.476
Temp. @ <u>8367'</u> °F. <u>148</u>	0	0		
Elev. KB.	8367	3984	Ctr. of O. H.	.476
Last Test Date. <u>Initial</u>				
Press. Last Test.				
Change. Per Day.				
Inst. No. <u>16527</u> Cal. <u>M-2</u>				
Tested By. <u>Leon Arnett</u>				
Calcu. By. <u>L. Arnett</u>				
Prod. Index. Bbls/day/lb.				
Drop.				
Cumulative prod.				

Remarks:

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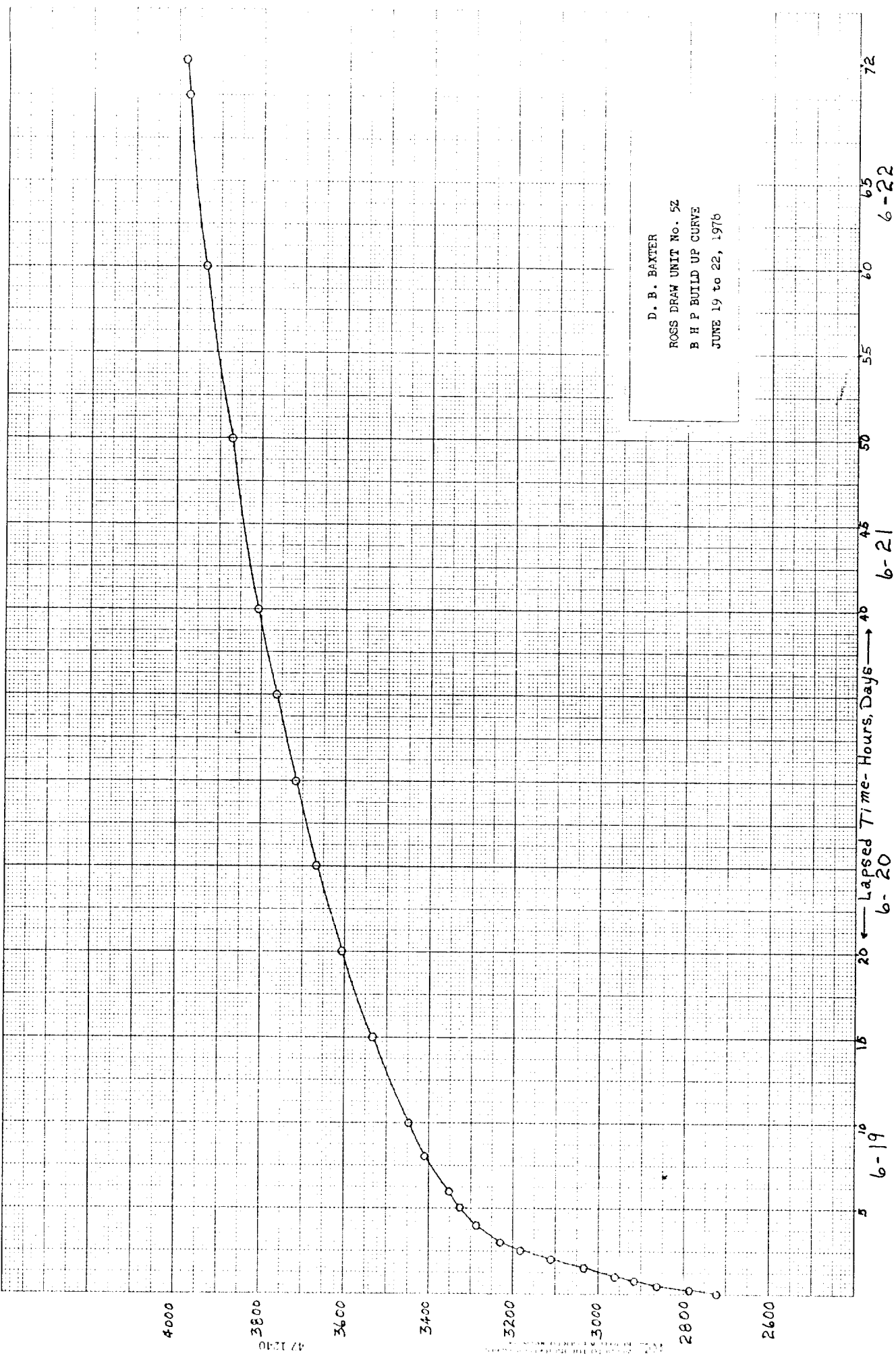
PHONE
915/682-7580

STATIC-FLOWING-B. H. PRESSURES

COMPANY D. B. Baxter Well & No. Ross Draw Unit No. 52

FIELD Eddy County Wildcat Date 6-19 to 22, 1978 Instrument No. 16527

DATE	STATUS	SERV TIME	ELAPSED TIME		D. W. T. TP	BHP PSIG @ 8367'
			HRS.	MIN		
6-19-78	Instrument in Lubricator	09:00			500	
	Instrument on Bottom	09:10			400	2714
	Flowing	09:15			415	2705
	Well Shut In	09:30	00	00	410	2721
	Build Up	09:40	00	15		2788
	Build Up	10:00	00	30		2862
	Build Up	10:15	00	45		2915
	Build Up	10:30	01	00		2960
	Build Up	11:00	01	30		3032
	Build Up	11:30	02	00		3110
	Build Up	12:00	02	30		3180
	Build Up	12:30	03	00		3232
	Build UP	13:30	04	00		3288
	Build Up	14:30	05	00		3325
	Build Up	15:30	06	00		3351
	Build Up	17:30	08	00		3408
	Build Up	19:30	10	00		3448
6-20-78	Build Up	00:30	15	00		3534
	Build Up	05:30	20	00		3606
	Build Up	10:30	25	00		3667



D. B. BAXTER
ROSS DRAW UNIT No. 52
B H P BUILD UP CURVE
JUNE 19 to 22, 1976

SUBSURFACE WELL TESTING

P. O. BOX 5254
MIDLAND, TEXAS 79701

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STATIC-FLOWING-B. H. PRESSURES

COMPANY D. B. Baxter Well & No. Ross Draw Unit No. 58

FIELD Eddy County Wildcat Date 6-19 to 22, 1978 Instrument No. 16527

DATE	STATUS	SERV TIME	ELAPSED TIME		D. W. T. TP	BHP PSIG @ 8367'
			HRS.	MIN.		
6-20-78	Build Up (Cont)	15:30	30	00		3718
	Build Up	20:30	35	00		3762
6-21-78	Build Up	01:30	40	00		3808
	Build Up	11:30	50	00		3870
	Build Up	21:30	60	00		3934
6-22-78	Build Up	07:30	70	00	1880	3976
	Build Up	09:30	72	00	1885	3984

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STATIC-FLOWING-B. H. PRESSURES

COMPANY D. B. Baxter Well & No. Ross Draw Unit No. 58

FIELD Eddy County Wildcat Date June 22, 1978 Instrument No. 16527

DATE	STATUS	SERV. TIME	ELAPSED TIME		D. W. T. TP	BHP PSIG @ 8367'
			HRS.	MIN.		
6-22-78	Instrument on Bottom	08:45			1885	3984
	Well opened	09:15	0	00	1887	3985
	Flowing	09:30	0	15	1750	3980
	Flowing	09:45	0	30	1720	3970
	Flowing	10:00	0	45	1665	3966
	Flowing	10:15	1	00	1660	3964
	Flowing	10:45	1	30	1650	3949
	Flowing	11:15	2	00	1580	3935
	Flowing	11:45	2	00	1502	3918
	Flowing	12:00	2	45	1160	3481
	Flowing	12:30	3	15	807	3093
	Flowing	13:00	3	45	570	2873
	Flowing	13:15	4	00	572	2861

RECEIVED

June 29, 1978

JUL 3 1978

O. C. C.
ARTESIA, OFFICE

New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico

Gentlemen:

Enclosed herewith is Form C-122 with attachments for our Well No. 5-~~2~~, Ross Draw Unit, in Eddy County, New Mexico. This test was run because the well at this point has not cleaned up sufficiently to run a four point test. We attempted at two different times a four point and after the first flow period the well would log off with fluid.

At such time as we are able to take a four point test, we will file the required forms with your office.

Yours very truly,

D. B. BAXTER

By R. Busby
R. Busby, Agent

DBB:rb
Enclosures