



(915) 682-7580

02/11/91

Mr. O. T. Maxwell
BEC Corporation
NCNB Building Ste. 807
Midland, Texas 79701

Re: Bottom Hole Pressure test on the
Baker "B" #2

Dear Mr. Maxwell

Please find enclosed, bottom hole pressure and sonic fluid level data on the above captioned well, tested this morning at 11:00.

Because the Eumont Queen zone is being produced through the annulus and not a string of tubing, it is impossible to safely run a bottom hole pressure instrument to obtain the bottom hole pressure. Because of this, we shot a sonic fluid level and have calculated the bottom hole pressure. Based on a gas gradient of .0086 and an oil gradient of .340 the bottom hole pressure at a depth of 3460', (center of the perforations) is 296 pounds.

The bottom hole pressure at 3460' in the Skelly Penrose Grayburg zone is 323 pounds. There for, based on the bottom hole pressure data on the Skelly Penrose Grayburg zone and the sonic fluid level data on the Eumont Queen zone I have concluded that at a depth of 3460', the maximum difference in the two zones is 27 pounds.

Thanking you for the opportunity of being of service to you, I remain.

Respectfully,


Allen Arnett
Subsurface Well Testing

P. O. BOX 5254
MIDLAND, TEXAS 79704



PHONE
915/682-7580

BOTTOM HOLE PRESSURE REPORT

Operator BEC Corporation Lease Baker''B'' Well No. 2
Field _____ Reservoir Grayburg Datum _____
Test Date 02/11/91 Well Status Static Hrs Shut In 48
Tubing 2 3/8 Depth _____ End open Packer 3520 S. N. 3519
Casing 7 Depth _____ Perf 3619 - 3705 Total Depth _____

	Depth (feet)	Pressure (psig)	Delta Pressure	Gradient (psi/ft)
Tubing Pres.	189	0	189	
Casing Pres.	1000	198	9	0.009
Top of Fluid	2000	207	9	0.009
Top of Water	3000	215	8	0.008
Temp. @	3262	256	41	0.156
Degrees F.	3462	324	68	0.340
Elev. KB	3662	402	78	0.390
Elev GL				
Last Test Date	/ /	3662	402	Ctr. of Perfs. 0.390
Press. Last Test				
Pres. Change				
Change per Day				
Inst. No.	59157			
Calibration	1190			
Tested By	Allen			
Calculated By	Allen			

Remarks--

"Quality Testing of Oil & Gas Wells"

P. O. BOX 5254
MIDLAND, TEXAS 79704

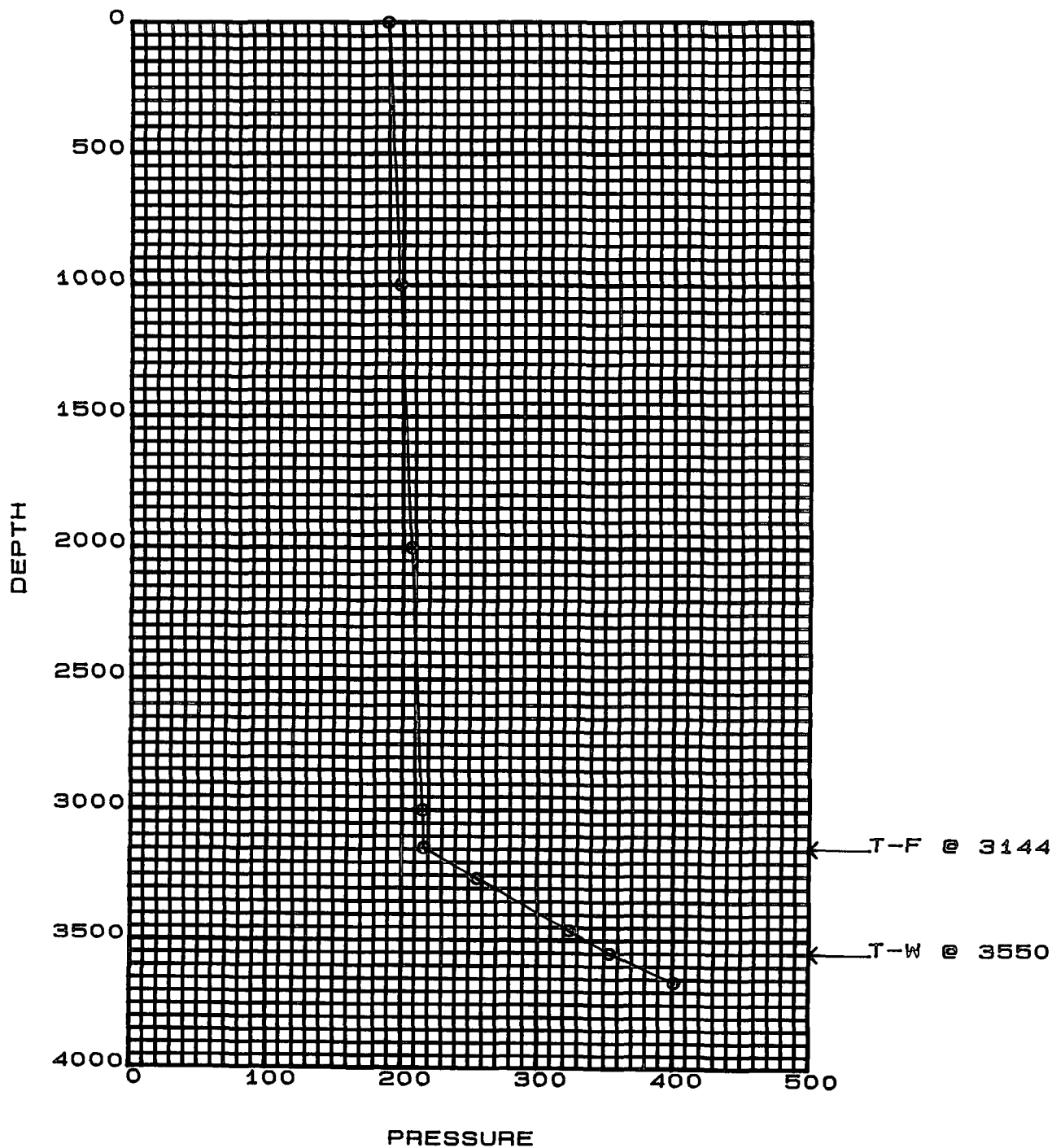


PHONE
915/682-7580

BOTTOM HOLE PRESSURE PLOT

Operator: BEC Corporation
Lease: Baker ``B``
Well No.: 2

Test Date: 02/11/91
Status: Static

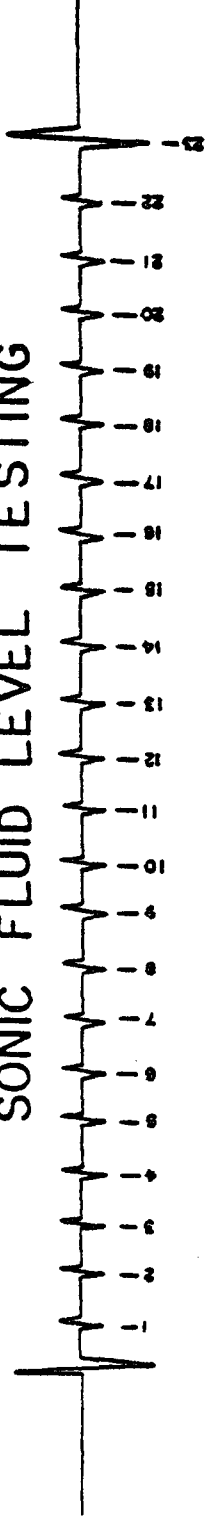




P. O. BOX 5254
MIDLAND, TEXAS 79704

PHONE
915/682-7580

SONIC FLUID LEVEL TESTING



COMPANY BEC Corporation

PAY Eumont, Queen

FIELD

DATE 02/11/91

WELL NAME & NO.	STATUS: PUMPING OR DOWN TIME	CASING PRESS.	AVE. JT. LENGTH	JTS. TO FLUID	FLUID LEVEL	DEPTH TO PUMP	DATE LAST TEST	FLUID LEVEL LAST TEST
Baker "B" #2	Static 48 hours	139	31.40	98	3077	none		

BEC CORPORATION

RECEIVED
DIVISION

P.O. BOX 1392
303 WEST WALL, SUITE 807
MIDLAND, TEXAS 79702

(915) 682-1828

91 FEB 14 AM 9 05

February 12, 1991

Mr. David Catanach
N.M. Oil Conservation District
P. O. Box 2088
Santa Fe, NM 87504-2088

Subject: Downhole Commingle
Baker "B" #2-K, Sec. 10, T22S, R37E
Penrose Skelly Grayburg & Eumont Y-SR-Qn

Dear Mr. Catanach:

Enclosed are the Bottom Hole Pressure test results of BEC Corporation's Baker "B" #2 well.

They are self explanatory and should fulfill the remaining downhole commingling requirements as we understand them.

The two zones are currently segregated via a Model D packer. We will resume commingled production pending your approval.

Respectfully,

BEC CORPORATION



O. T. Maxwell
Production Superintendent

OTM/nlt

Enclosure

xc: Jerry Sexton
Supervisor, District 1
P. O. Box 1980
Hobbs, NM 88241-1980

BEC CORPORATION

'90 OCT 15 AM 9 11

P. O. BOX 1392
303 WEST WALL, SUITE 807
MIDLAND, TEXAS 79702

(915) 682-1828

Downhole Commingling Baker B Well # 2

2.

- (a) BEC Corporation P.O. Box 1392 Midland, Texas 79702
- (b) Baker B Lease Well No. 2 Location: K 1980 FSL & 1980 FWL
Sec. 10 T-22-S R-37-E Lea County

Pools to be Commingled: Eumont Yates-SR-QU-Gas and Penrose Skelly Grayburg
- (c) Plat Attached.
- (d) 24 hour productivity Test Form C-116 Attached.
- (e) Production Decline Curve Eumont Yates-SR-QU-GAS (only zone open)
Enclosed
- (f) Bottom-hole pressure - Penrose Skelly Grayburg Zone 260#
Bottom-hole pressure - Eumont Yates-SR-QU-Gas Zone 970#
- (g) Fluids compatible in well bore - Oil from Skelly Grayburg Zone only.
- (h) Gas Production before commingling 553 MCF/month
Gas Production after commingling 1778 MCF/month
- (i) ⁴³ ~~51%~~ Gas attributed to Upper Completion Eumont Yates-SR-QU-Gas
⁵⁷ ~~69%~~ Gas attributed to Lower Completion Penrose Skelly Grayburg
100% Oil produced from Lower Completion Penrose Skelly Grayburg
- (j) Copy of Statement to Offset Operators - Attached

O.T. Maxwell
George

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																				

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator BEC Corporation		Pool Penrose Skelly Grayburg				County Lea										
Address P.O. Box 1392		Midland, Texas		79702	TYPE OF TEST - (X)		Scheduled ☐		Completion ☐		Special ☒					
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL.		
		U	S	T	R						WATER BBL.S.	GRAV. OIL	OIL BBL.S.		GAS M.C.F.	
Baker B	2	K	10	22S	37E	8-21-90	P	2"	10	-	24	1	34	4	29	7250

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Signature

George Van Husen

George Van Husen

Agent

Printed name and title

10-8-90

915

682-1828

Date

Telephone No.

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION

GAS - OIL RATIO TEST

Operator BEC Corporation		Pool Eumont Yates-SR-QU-Gas		County Lea												
Address P.O. Box 1392		Midland, Texas		79702												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	SCHEDULED ☐	COMPLETION ☐	Special ☒							
		U	S	T					R	WATER BBL.S.	PROD. DURING TEST GRAV. OIL BBL.S.	GAS M.C.F.	GAS - OIL RATIO CU FT/BBL.			
Baker B	2	K	10	22S	37E	8-20-90	F	2"	10	-	24	0	-	0	22	-

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Signature

George Van Husen

Agent

Printed name and title

10-8-90

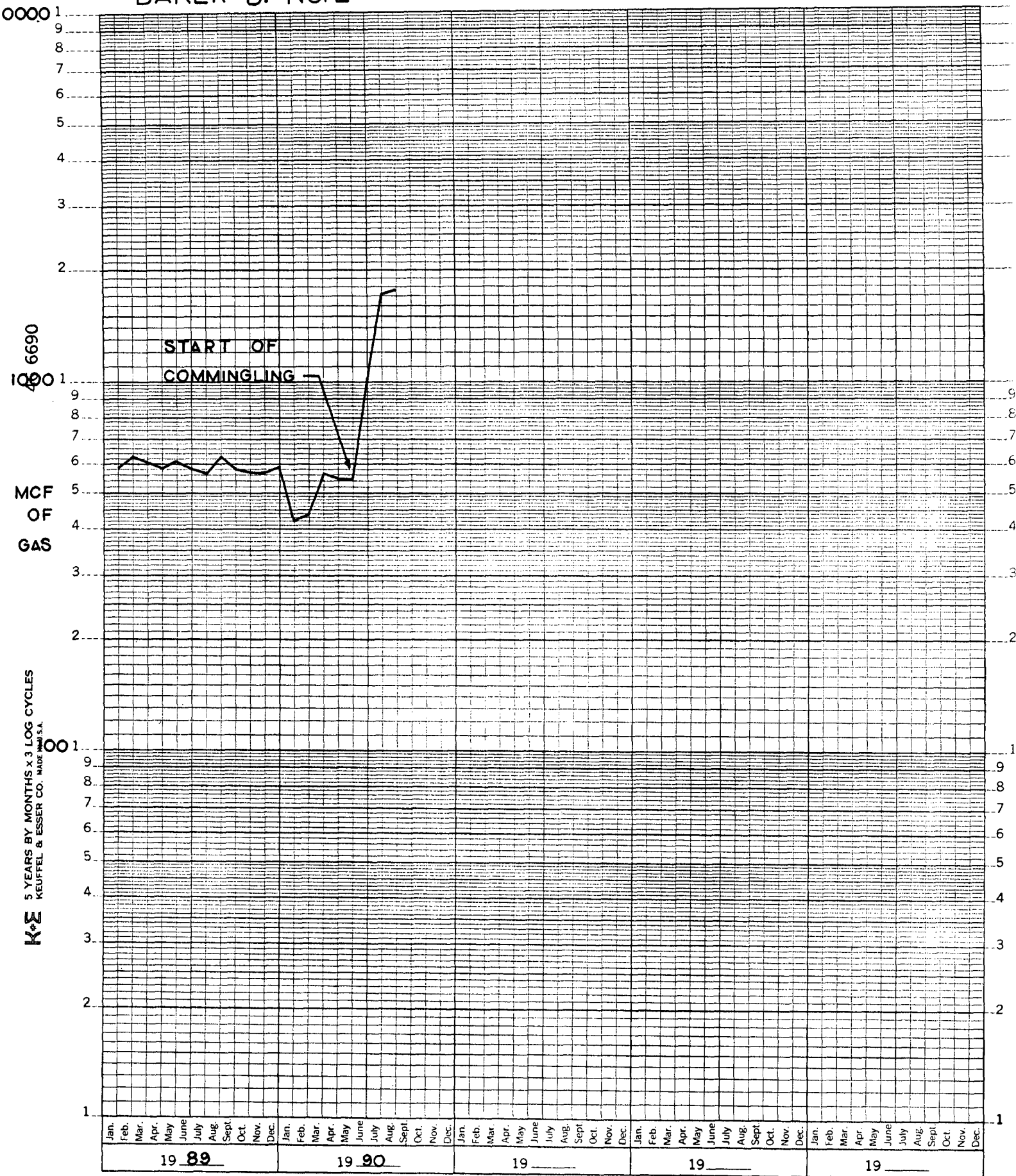
915

682-1828

Date

Telephone No.

BAKER B. NO. 2



0 777

BEC CORPORATION

P. O. BOX 1392
303 WEST WALL, SUITE 807
MIDLAND, TEXAS 79702

(915) 682-1828

August 28, 1990

Subject: Baker B - Well No. 2
1980' FS & WL, Sec. 10, T-22-S, R-37-E,
Lea County, New Mexico

Gentlemen:

We have received verbal permission from the New Mexico Oil Conservation Division to test proposed commingling of the Eumont-Yates-SR-QU (3430-3490) and the Penrose Skelly Grayburg (3619-3705) zones in the above captioned well.

One requirement specifies that offset operators be notified before final approval.

Yours very truly,
BEC Corporation


George Van Husen

BEC CORPORATION

P. O. BOX 1392
303 WEST WALL, SUITE 807
MIDLAND, TEXAS 79702

(915) 682-1828

August 28, 1990

Mailing List - Offset Operators - Baker B - Well No. 2

Chevron
Box 1150
Midland, Texas 79702

Mobil
Box 633
Midland, Texas 79702

Exxon
Box 1600
Midland, Texas 79702

Texaco
Box 3109
Midland, Texas 79702

John H. Hendrix Corp.
223 West Wall Suite 525
Midland, Texas 79701



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

'90 OCT 19 AM 9 10

GARREY CARRUTHERS
GOVERNOR

10-12-90

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC
DHC ☒
NSL
NSP
SWD
WFX
PMX

Gentlemen:

I have examined the application for the:

BEC Corp. Baker B #2-K 10-22-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed

P.S. David if you do not have Copy of This application
let me know + I will send you one. Evelyn