

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
Revised August 1999

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas

PO Box 4289, Farmington, NM 87499

Operator
Lester

1

Address
H-3-30N-11W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7259 API NO. 30-045-21065 Federal State (and/or) Fee X

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Aztec Pictured Cliffs-71280		Blanco Mesaverde- 72319
2. Top and Bottom of Pay Section (Perforations)	2282-2326		4573-4660
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 235 psi (see attachment) b. (Original) 456 psi (see attachment)	a. b.	a. 411 psi (see attachment) b. 1188 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1181		BTU 1201
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: Rates:
	Date: 11/30/99 Rates: 123 mcf/d	Date: Rates:	Date: 11/30/99 Rates: 117 mcf/d
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		Will be supplied upon completion.

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? Yes X No
If not, have all working, overriding, and royalty interests been notified by certified mail? X Yes No

11. Will cross-flow occur? X Yes No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. X Yes No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? X Yes No

13. Will the value of production be decreased by commingling? Yes X No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE J. Z. Dobson TITLE PRODUCTION ENGINEER DATE 12-29-99

TYPE OR PRINT NAME Jennifer Dobson TELEPHONE NO. (505) 326-9700

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

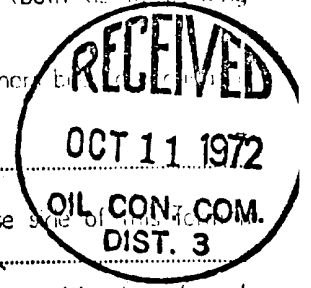
Operator SOUTHERN UNION PRODUCTION COMPANY			Lease XXXXXX LESTER		Well No. 1
Unit Letter H	Section 3	Township 30 NORTH	Range 11 WEST	County SAN JUAN	
Actual Footage Location of Well: 1670 feet from the NORTH line and 1010 feet from the EAST line					
Ground Level Elev. 5749		Pool PICTURED CLIFFS MESAVERDE		Indicated Average N/2 - 320.40 - M.Y. NE/4 - 160.70 P.C.	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners be consolidated by communization, unitization, force-pooling, etc?

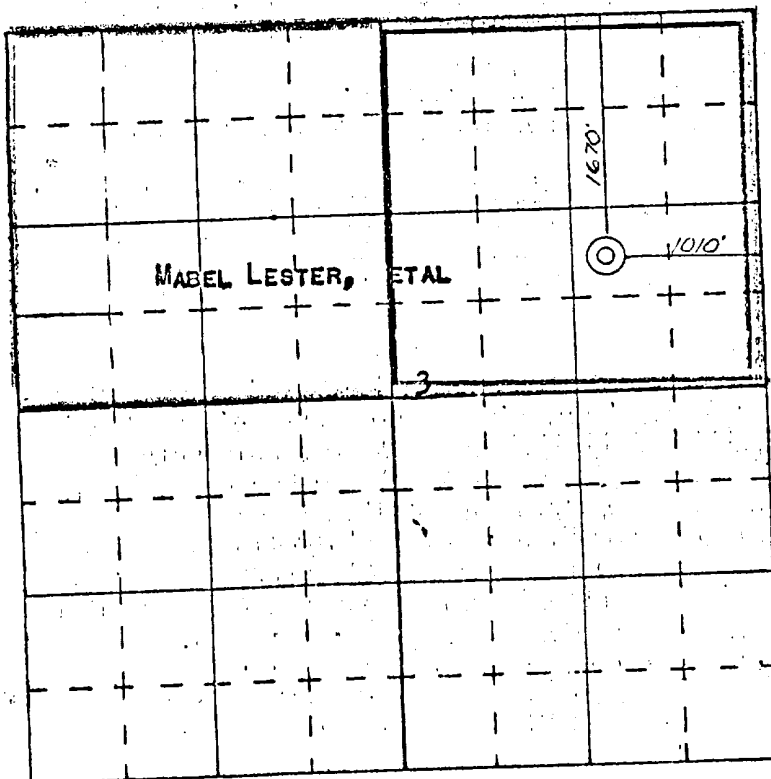
☒ Yes ☐ No If answer is "yes," type of consolidation **COMMUNITIZATION**

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this plat if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



—— PICTURED CLIFFS DEDICATION
—— MESAVERDE DEDICATION



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

CERTIFICATION

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

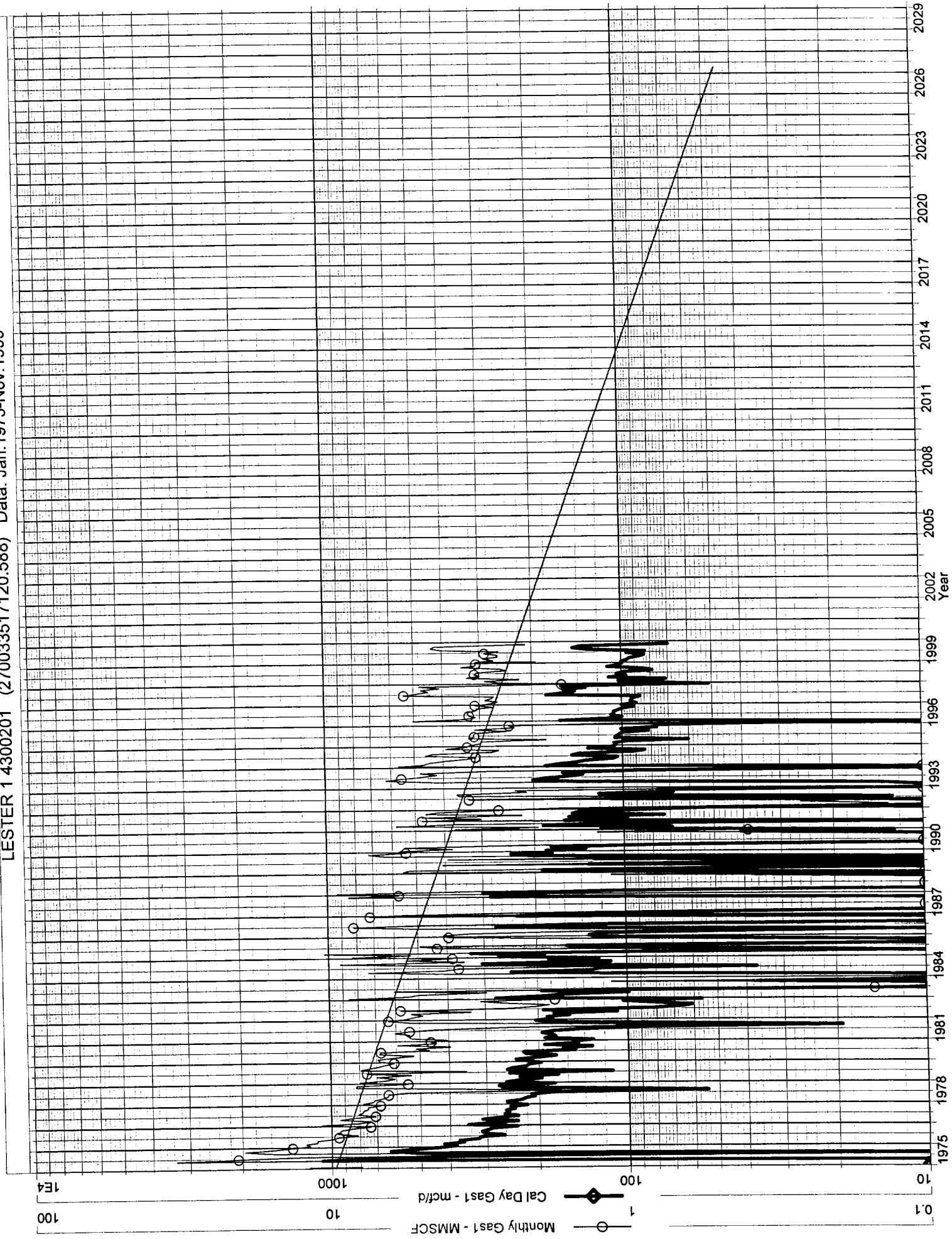
**ORIGINAL SIGNED BY
B. R. VANDERSLICE**

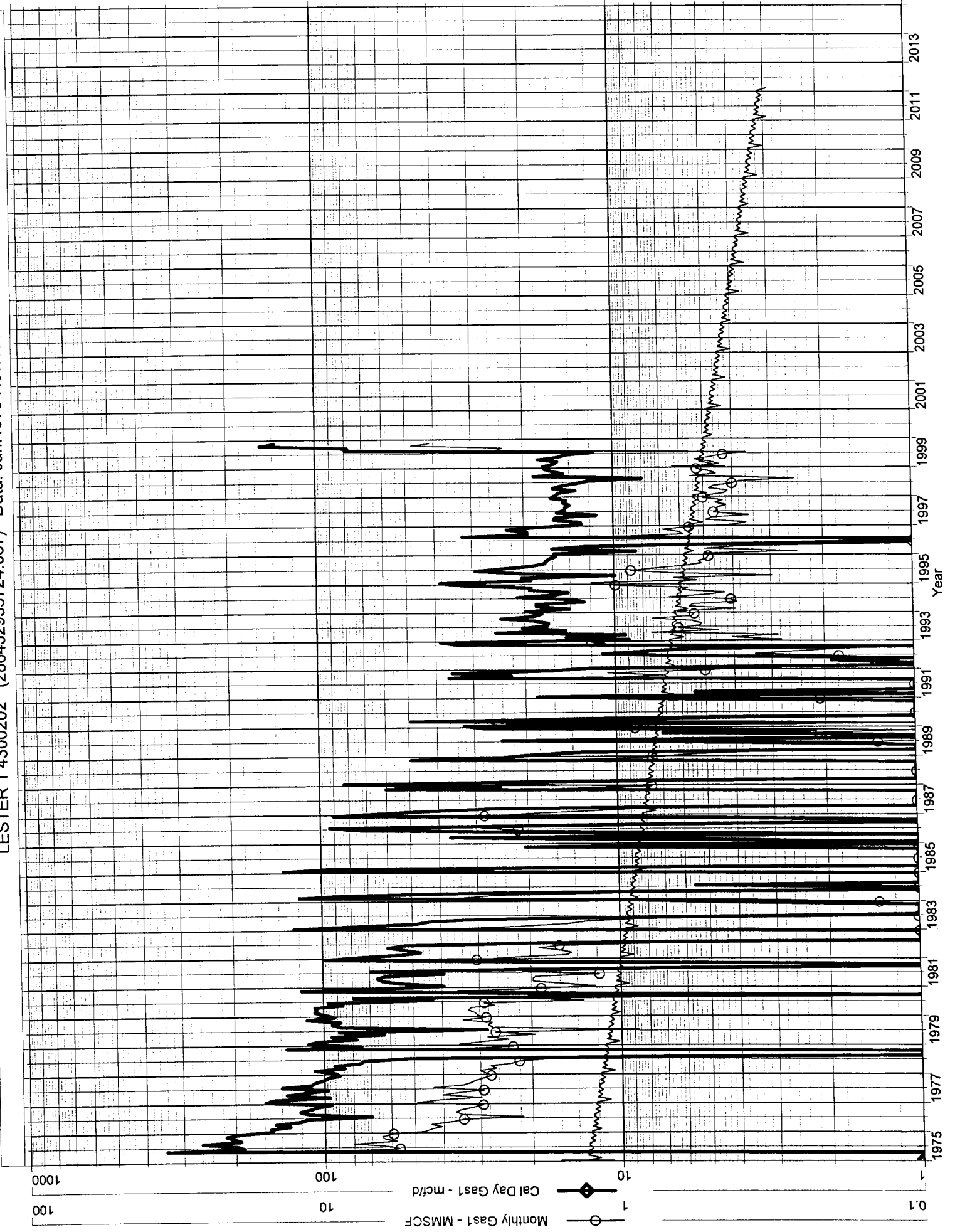
Name
B. R. VANDERSLICE
Position
AREA SUPERINTENDENT
Company
SOUTHERN UNION PRODUCTION CO.
Date
OCTOBER 10, 1972

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date
9 October 1972
Registered Professional Engineer
and/or Land Surveyor
James P. Loese
Certificate No. **1463**

LESTER 1 4300201 (270033517120.588) Data: Jan.1975-Nov.1999





Lester #1
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 1/14/98

Mesaverde		Pictured Cliffs	
<u>MV-Current</u>		<u>PC-Current</u>	
GAS GRAVITY	0.688	GAS GRAVITY	0.67
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.17	%N2	0.26
%CO2	0.77	%CO2	0.37
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	5.5
DEPTH (FT)	4617	DEPTH (FT)	2304
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	147	BOTTOMHOLE TEMPERATURE (DEG F)	94
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	367	SURFACE PRESSURE (PSIA)	222
BOTTOMHOLE PRESSURE (PSIA)	410.9	BOTTOMHOLE PRESSURE (PSIA)	234.8
<u>MV-Original</u>		<u>PC-Original</u>	
GAS GRAVITY	0.688	GAS GRAVITY	0.67
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.17	%N2	0.26
%CO2	0.77	%CO2	0.37
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	5.5
DEPTH (FT)	4617	DEPTH (FT)	2304
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	147	BOTTOMHOLE TEMPERATURE (DEG F)	94
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1046	SURFACE PRESSURE (PSIA)	430
BOTTOMHOLE PRESSURE (PSIA)	1188.0	BOTTOMHOLE PRESSURE (PSIA)	455.9

AIN	WELLNAME	FRM	MONTH	PROD	3 MON AVG	Year	Month	Day	WH Pressure	Cum Prod
4300202	LESTER 1	PC	31-Jan-99	529		1975	1	20	418	original
34389	H,3T30N,R11W		28-Feb-99	441		1975	6	9	360	
			31-Mar-99	475		1976	7	17	279	
			30-Apr-99	533		1977	6	17	256	
			31-May-99	475		1979	7	31	315	
			30-Jun-99	428		1981	6	25	301	
			31-Jul-99	359		1983	5	25	272	
			31-Aug-99	2468					210	366 current estimate from P/Z data
			30-Sep-99	2341						
			31-Oct-99	4751						
			30-Nov-99	4114	123					
4300201	LESTER 1	MV	31-Jan-99	3093		1975	1	20	1,034.00	original
34388	H,3T30N,R11W		28-Feb-99	2674		1975	6	9	769	
			31-Mar-99	2908		1976	7	17	445	
			30-Apr-99	2606		1977	6	17	386	
			31-May-99	2595		1978	8	18	460	
			30-Jun-99	2872		1980	4	24	343	
			31-Jul-99	2574		1982	5	25	280	
			31-Aug-99	4021		1984	6	27	575	
			30-Sep-99	4358		1986	3	12	564	
			31-Oct-99	4248		1989	11	29	551	
			30-Nov-99	2094	117	1991	8	14	458	
						1991	9	10	523	
						1993	11	16	481	
									355	1224 current estimate from P/Z data