AMEND

DATE IN	SUSPENSE	ENGINEER	LOGGED	TYPE
11/9/00	11/29/00	DC	KW	DHC 1169

ABOVE THIS LINE FOR DIVISION USE ONLY

31848478

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

NSL NSP DD SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

X DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

WFX PMX SWD IPI EOR PPR

RECEIVED
NOV - 9 2000

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] X Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE** - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole	Peggy Cole	Regulatory/Compliance Administrator	
Print or Type Name	Signature	Title	Date

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

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
Revised March 17, 1999

APPROVAL PROCESS:
_X_ Administrative __Hearing

EXISTING WELLBORE
_X_ YES ___ NO

BURLINGTON RESOURCES OIL & GAS COMPANY PO Box 4289, Farmington, NM 87499
Operator Address

Harrington 9 J, Sec 31, T27N, R07W Rio Arriba
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7094 API NO. 30039-25503 Federal _X_, State ___ (and/or) Fee ___

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Otero Chacra - 82329 Blanco Mesaverde – 72319 (Commingled)		Largo Gallup –80000 Basin Dakota –71599 (Commingled)
2. Top and Bottom of Pay Section (Perforations)	Chacra – 3161-3300' Mesaverde – 4485-4830'		Gallup – 6031-6194' Dakota – 6544-6780'
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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	(Current) a. 371 psia @ 4640'	a.	a. 2045 psia @ 6630'
	(Original) b. 979 psia @ 4600'	b.	b. 2727 psia @ 6650'
6. Oil Gravity (°API) or Gas BTU Content	1295 BTU		1301 BTU
7. Producing or Shut-In?	Producing		Shut-in
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	Date: Rates:	Date: Rates:	Date: 02/28/98 Rates: 20 MCFD, 0.8 BOD, 0 BWD
* If Producing, give date andoil/gas/ water rates of recent test (within 60 days)	Date: 07/31/00 Rates: 76 MCFD, 1.5 BOD, 0 BWD	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: Will supply for commingling	Oil: % Gas: %	Oil: Gas: Will supply for commingling

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 __ No X (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 _____ TITLE Operations Engineer DATE 11-7-00

TYPE OR PRINT NAME T. J. Friesenhahn TELEPHONE NO. (505) 326-9700
nco

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10
Revised February 21, 199
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-039-	82329/72319 80000/71599	Otero Cha/Blanco MV/ Largo Gal/Basin DK

4 Property Code	5 Property Name	6 Well Number
7094	Harrington	9

7 OGRID No.	8 Operator Name	9 Elevation
14538	Meridian Oil Inc.	6033'

10 Surface Location

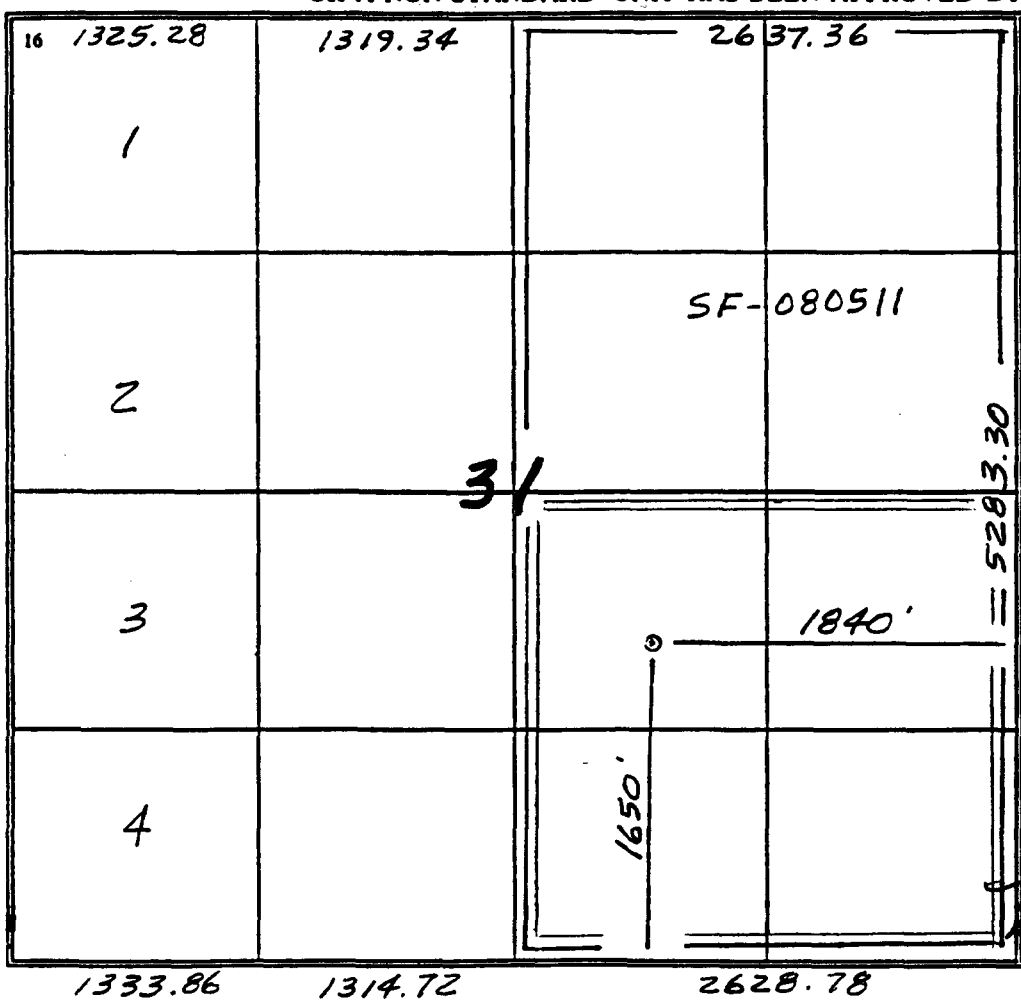
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	31	27-N	7-W		1650'	SOUTH	1840'	EAST	R.A.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
E/320-160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

Signature

Peggy Bradfield
Printed Name

Regulatory Affairs
Title

Date

18 SURVEYOR CERTIFICATION

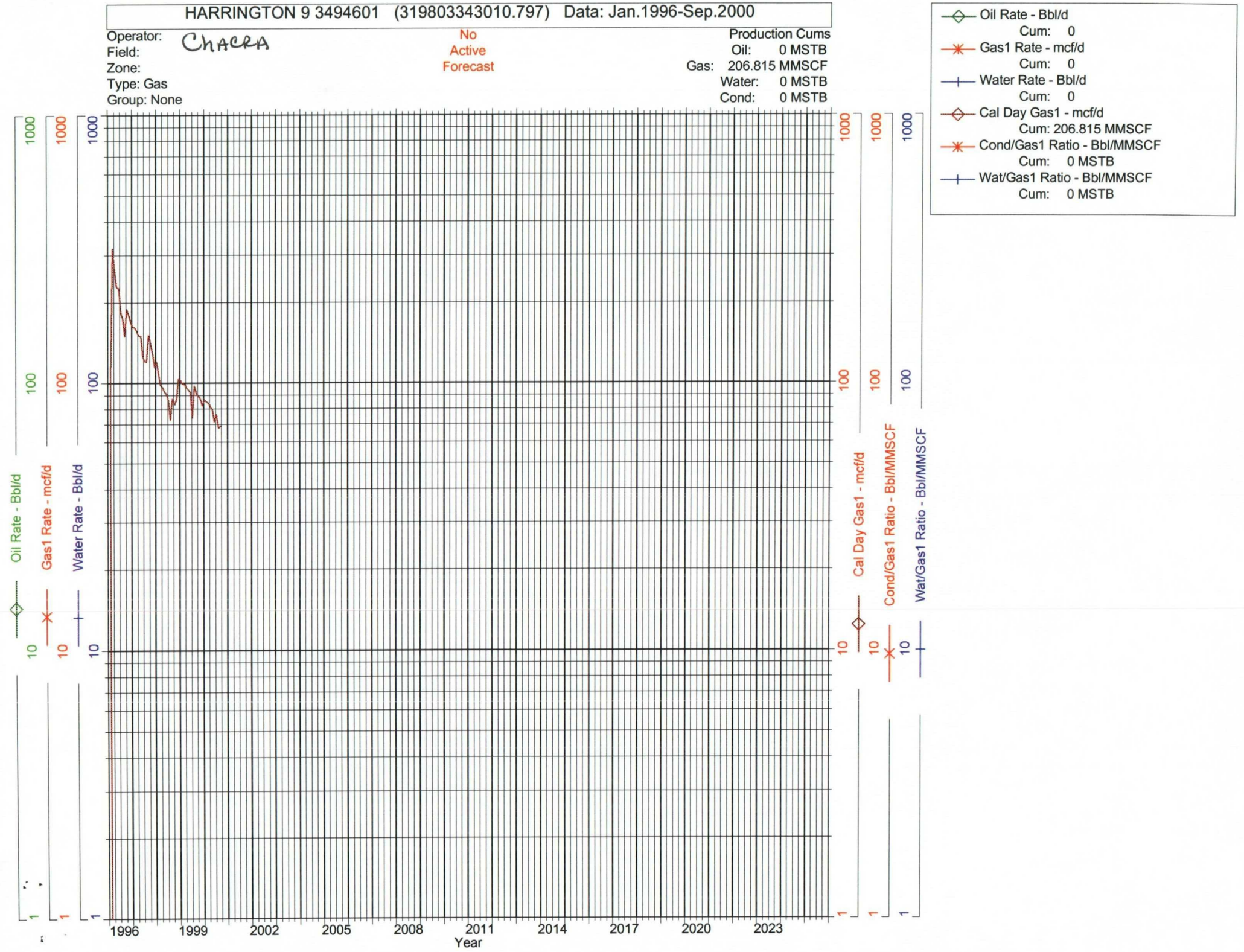
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

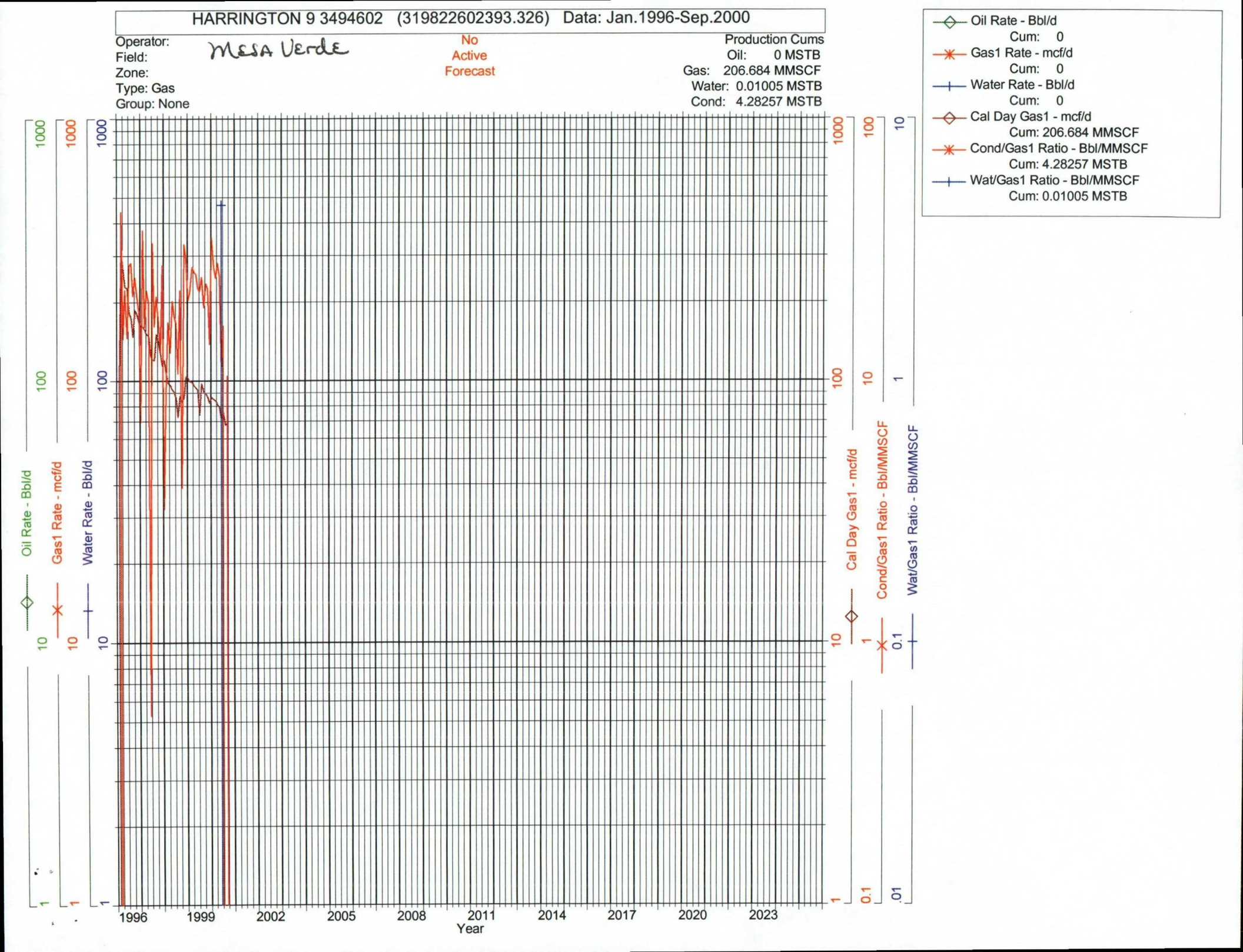
10-12-94
Date of Survey

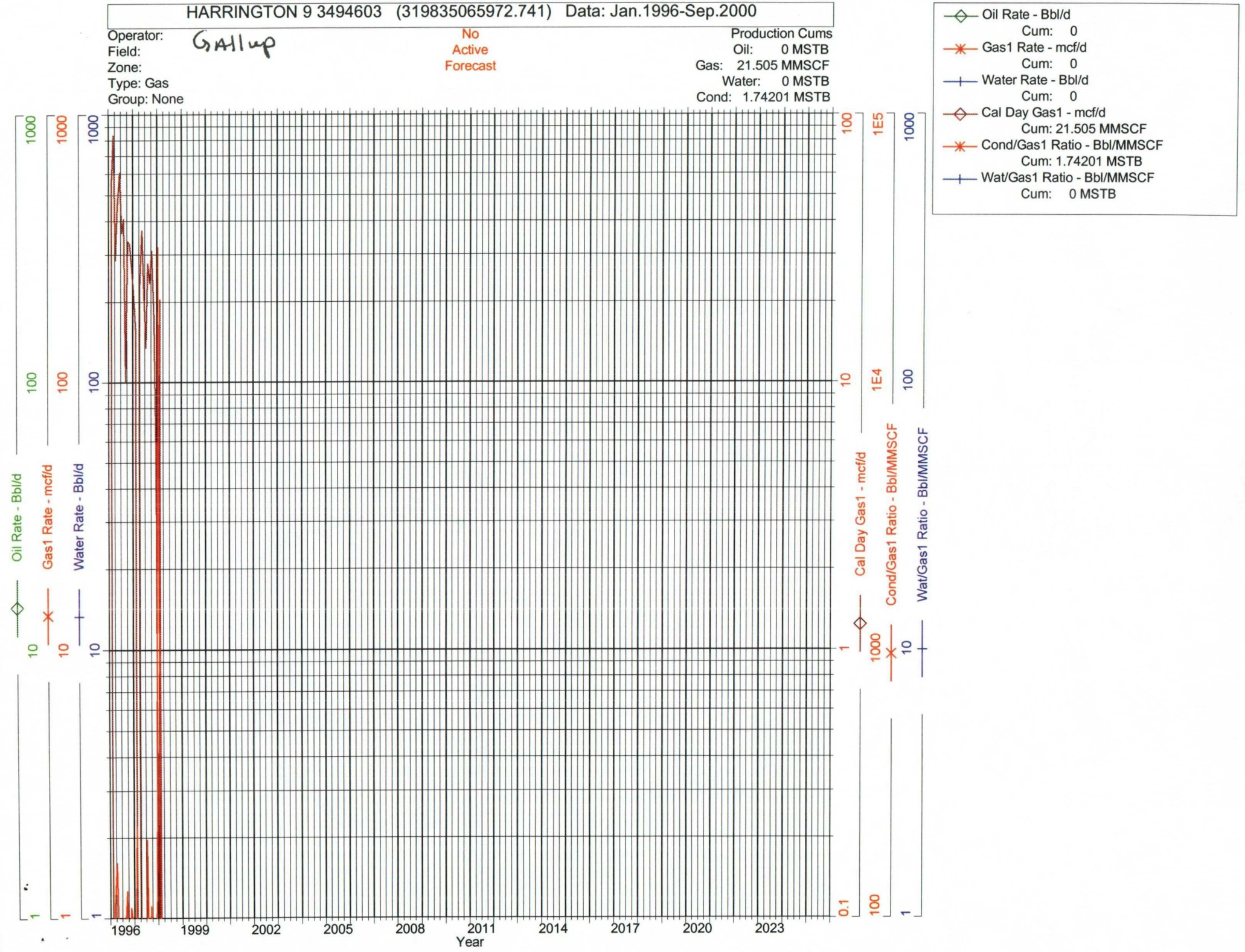
Signature and Seal of Professional Surveyor:

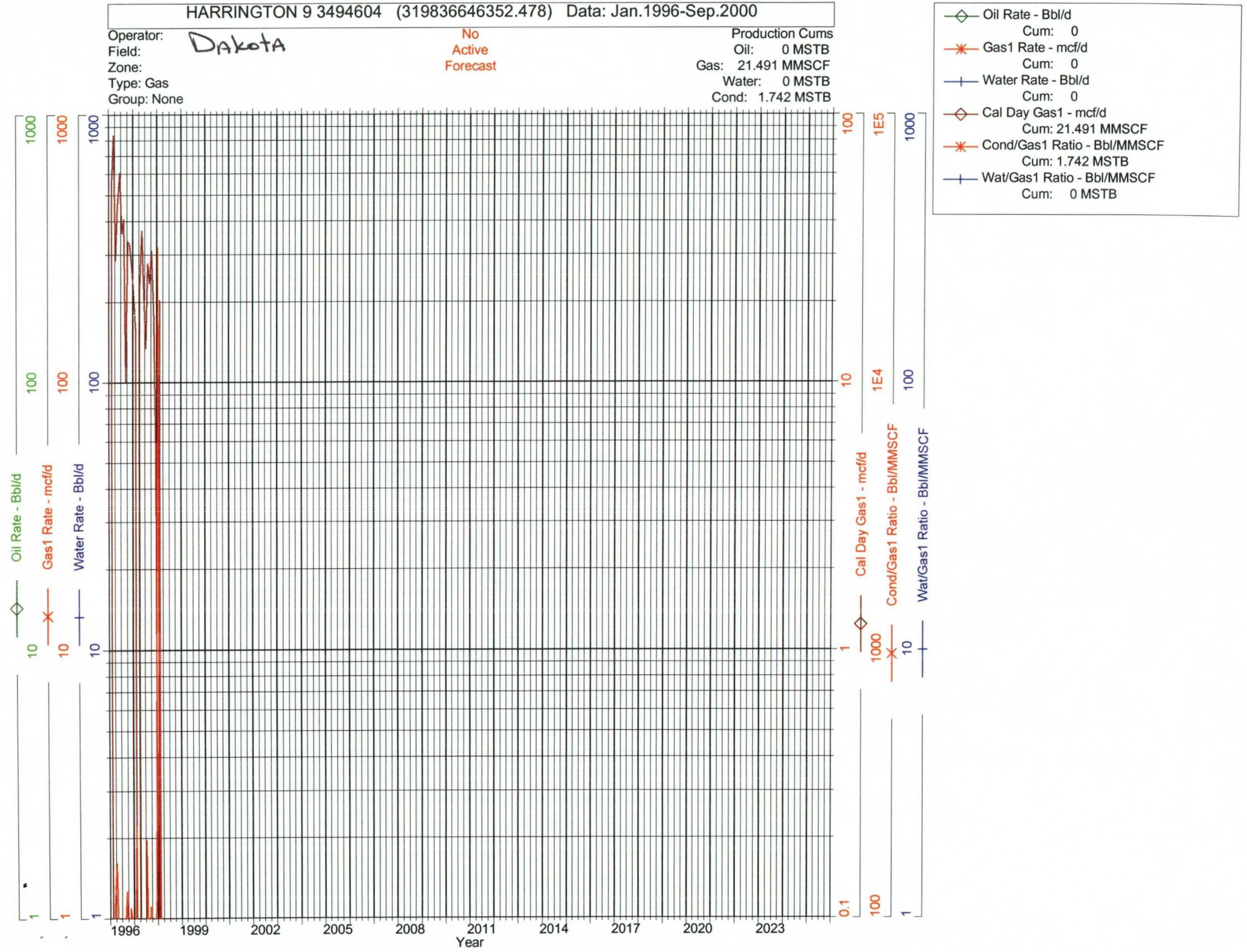
NEW MEXICO
9857
6857

Certificate Number


HARRINGTON 9 3494601 (319803343010.797) Data: Jan.1996-Sep.2000
Operator: CHACRA
Field:
Zone:
Type: Gas
Group: None
No Active Forecast
Production Cums
Oil: 0 MSTB
Gas: 206.815 MMSCF
Water: 0 MSTB
Cond: 0 MSTB
Oil Rate - Bbl/d
Cum: 0
Gas1 Rate - mcf/d
Cum: 0
Water Rate - Bbl/d
Cum: 0
Cal Day Gas1 - mcf/d
Cum: 206.815 MMSCF
Cond/Gas1 Ratio - Bbl/MMSCF
Cum: 0 MSTB
Wat/Gas1 Ratio - Bbl/MMSCF
Cum: 0 MSTB
1000
100
10
1
1996
1999
2002
2005
2008
2011
2014
2017
2020
2023
Year


HARRINGTON 9 3494602 (319822602393.326) Data: Jan.1996-Sep.2000
Operator:
Field: Mesa Verde
Zone:
Type: Gas
Group: None
No Active Forecast
Production Cums
Oil: 0 MSTB
Gas: 206.684 MMSCF
Water: 0.01005 MSTB
Cond: 4.28257 MSTB
Oil Rate - Bbl/d
Cum: 0
Gas1 Rate - mcf/d
Cum: 0
Water Rate - Bbl/d
Cum: 0
Cal Day Gas1 - mcf/d
Cum: 206.684 MMSCF
Cond/Gas1 Ratio - Bbl/MMSCF
Cum: 4.28257 MSTB
Wat/Gas1 Ratio - Bbl/MMSCF
Cum: 0.01005 MSTB
1000
100
10
1
0.1
.01
1996
1999
2002
2005
2008
2011
2014
2017
2020
2023
Year


HARRINGTON 9 3494603 (319835065972.741) Data: Jan.1996-Sep.2000
Operator:
Field: Gallup
Zone:
Type: Gas
Group: None
No Active Forecast
Production Cums
Oil: 0 MSTB
Gas: 21.505 MMSCF
Water: 0 MSTB
Cond: 1.74201 MSTB
Oil Rate - Bbl/d
Cum: 0
Gas1 Rate - mcf/d
Cum: 0
Water Rate - Bbl/d
Cum: 0
Cal Day Gas1 - mcf/d
Cum: 21.505 MMSCF
Cond/Gas1 Ratio - Bbl/MMSCF
Cum: 1.74201 MSTB
Wat/Gas1 Ratio - Bbl/MMSCF
Cum: 0 MSTB
1000
100
10
1
1E5
1E4
0.1
1996
1999
2002
2005
2008
2011
2014
2017
2020
2023
Year


HARRINGTON 9 3494604 (319836646352.478) Data: Jan.1996-Sep.2000
Operator:
Field:
Zone:
Type: Gas
Group: None
Dakota
No
Active
Forecast
Production Cums
Oil: 0 MSTB
Gas: 21.491 MMSCF
Water: 0 MSTB
Cond: 1.742 MSTB
Oil Rate - Bbl/d
Cum: 0
Gas1 Rate - mcf/d
Cum: 0
Water Rate - Bbl/d
Cum: 0
Cal Day Gas1 - mcf/d
Cum: 21.491 MMSCF
Cond/Gas1 Ratio - Bbl/MMSCF
Cum: 1.742 MSTB
Wat/Gas1 Ratio - Bbl/MMSCF
Cum: 0 MSTB
1000
100
10
1
1E5
1E4
1000
100
10
1
0.1
1000
100
10
1
1996
1999
2002
2005
2008
2011
2014
2017
2020
2023
Year

Well: HARRINGTON 9 3494601

Well Time Graph Report CHACRA

Date	WI Cal Day Gas1	WI Cond/Gas1 Ratio	WI Wat/Gas1 Ratio
	mcf/d	Bbl/MMSCF	Bbl/MMSCF
1996 01	0.00	---	---
1996 02	103.00	---	---
1996 03	317.71	---	---
1996 04	262.93	---	---
1996 05	227.97	---	---
1996 06	226.07	---	---
1996 07	182.26	---	---
1996 08	174.13	---	---
1996 09	149.17	---	---
1996 10	188.45	---	---
1996 11	180.30	---	---
1996 12	167.65	---	---
1997 01	162.23	---	---
1997 02	161.07	---	---
1997 03	157.26	---	---
1997 04	150.57	---	---
1997 05	149.65	---	---
1997 06	126.10	---	---
1997 07	120.65	---	---
1997 08	120.06	---	---
1997 09	150.90	---	---
1997 10	141.19	---	---
1997 11	127.63	---	---
1997 12	114.58	---	---
1998 01	120.26	---	---
1998 02	108.25	---	---
1998 03	98.45	---	---
1998 04	96.13	---	---
1998 05	92.87	---	---
1998 06	90.53	---	---
1998 07	85.81	---	---
1998 08	72.61	---	---
1998 09	87.27	---	---
1998 10	83.10	---	---
1998 11	86.82	---	---
1998 12	103.87	---	---
1999 01	102.54	---	---
1999 02	99.39	---	---
1999 03	99.14	---	---
1999 04	96.22	---	---
1999 05	94.38	---	---
1999 06	92.49	---	---
1999 07	74.22	---	---
1999 08	97.92	---	---
1999 09	90.51	---	---
1999 10	89.32	---	---
1999 11	86.89	---	---
1999 12	82.10	---	---
2000 01	86.60	---	---
2000 02	85.04	---	---
2000 03	84.12	---	---
2000 04	81.46	---	---
2000 05	79.41	---	---
2000 06	71.58	---	---
2000 07	76.48	---	---
2000 08	67.71	---	---
2000 09	69.19	---	---
2000 10	---	---	---
2000 11	---	---	---

Well: HARRINGTON 9 3494602

Well Time Graph Report Mesa Verde

Date	WI Cal Day Gas1	WI Cond/Gas1 Ratio	WI Wat/Gas1 Ratio
	mcf/d	Bbl/MMSCF	Bbl/MMSCF
1996 01	0.00	---	---
1996 02	102.97	0.00	---
1996 03	317.68	44.07	---
1996 04	262.90	14.45	---
1996 05	227.97	22.22	---
1996 06	226.03	14.60	---
1996 07	181.68	27.52	---
1996 08	174.10	28.16	---
1996 09	147.40	21.03	---
1996 10	187.03	24.84	---
1996 11	180.30	21.26	---
1996 12	167.65	18.28	---
1997 01	162.23	6.96	---
1997 02	161.07	37.47	---
1997 03	157.23	16.00	---
1997 04	150.57	22.14	---
1997 05	149.61	19.84	---
1997 06	126.10	0.53	---
1997 07	120.61	33.43	---
1997 08	120.03	16.12	---
1997 09	150.90	20.99	---
1997 10	141.19	17.36	---
1997 11	127.63	12.80	---
1997 12	114.55	27.60	---
1998 01	120.23	3.22	---
1998 02	108.21	8.91	---
1998 03	98.45	16.71	---
1998 04	96.10	12.83	---
1998 05	92.87	20.15	---
1998 06	90.50	17.68	---
1998 07	85.81	16.54	---
1998 08	72.58	10.67	---
1998 09	87.23	22.16	---
1998 10	83.10	3.88	---
1998 11	86.82	33.16	---
1998 12	103.87	29.08	---
1999 01	102.54	20.22	---
1999 02	99.39	21.68	---
1999 03	99.14	27.16	---
1999 04	96.22	26.02	---
1999 05	94.38	25.52	---
1999 06	92.49	22.56	---
1999 07	74.22	21.98	---
1999 08	97.92	24.88	---
1999 09	90.51	19.08	---
1999 10	89.32	23.51	---
1999 11	86.89	22.41	---
1999 12	82.10	13.77	---
2000 01	86.60	35.22	---
2000 02	85.04	27.07	---
2000 03	84.12	24.65	---
2000 04	81.46	28.17	---
2000 05	79.41	25.09	---
2000 06	71.58	10.86	4.68
2000 07	76.48	16.24	0.00
2000 08	67.71	0.00	0.00
2000 09	69.19	10.45	0.00
2000 10	---	---	---
2000 11	---	---	---

Well: HARRINGTON 9 3494603

Well Time Graph Report

Gallup

Date	WI Cal Day Gas1	WI Cond/Gas1 Ratio	WI Wat/Gas1 Ratio
	mcf/d	Bbl/MMSCF	Bbl/MMSCF
1996 01	0.00	---	---
1996 02	54.97	0.00	---
1996 03	83.65	109.53	---
1996 04	28.57	161.03	---
1996 05	45.35	78.24	---
1996 06	60.60	50.61	---
1996 07	36.06	100.18	---
1996 08	40.61	82.61	---
1996 09	10.03	126.25	---
1996 10	33.55	48.08	---
1996 11	32.87	109.53	---
1996 12	26.29	93.25	---
1997 01	20.65	37.50	---
1997 02	15.46	219.40	---
1997 03	0.00	---	---
1997 04	22.47	86.05	---
1997 05	36.87	75.24	---
1997 06	21.30	7.82	---
1997 07	13.45	196.64	---
1997 08	27.77	48.78	---
1997 09	23.43	110.95	---
1997 10	31.00	46.83	---
1997 11	17.03	72.41	---
1997 12	5.32	121.21	---
1998 01	0.03	32,000.00	---
1998 02	20.36	42.11	---
1998 03	0.00	---	---
1998 04	0.00	---	---
1998 05	0.00	---	---
1998 06	0.00	---	---
1998 07	0.00	---	---
1998 08	0.00	---	---
1998 09	0.00	---	---
1998 10	0.00	---	---
1998 11	0.00	---	---
1998 12	0.00	---	---
1999 01	---	---	---
1999 02	---	---	---
1999 03	---	---	---
1999 04	---	---	---
1999 05	---	---	---
1999 06	---	---	---
1999 07	---	---	---
1999 08	---	---	---
1999 09	---	---	---
1999 10	---	---	---
1999 11	---	---	---
1999 12	---	---	---
2000 01	---	---	---
2000 02	---	---	---
2000 03	---	---	---
2000 04	---	---	---
2000 05	---	---	---
2000 06	---	---	---
2000 07	---	---	---
2000 08	---	---	---
2000 09	---	---	---
2000 10	---	---	---
2000 11	---	---	---

Well: HARRINGTON 9 3494604

Well Time Graph Report

Dakota

Date	WI Cal Day Gas1	WI Cond/Gas1 Ratio	WI Wat/Gas1 Ratio
	mcf/d	Bbl/MMSCF	Bbl/MMSCF
1996 01	0.00	---	---
1996 02	54.97	0.00	---
1996 03	83.61	109.57	---
1996 04	28.53	161.21	---
1996 05	45.32	78.29	---
1996 06	60.57	50.63	---
1996 07	36.03	100.27	---
1996 08	40.58	82.67	---
1996 09	10.03	126.25	---
1996 10	33.55	48.08	---
1996 11	32.87	109.53	---
1996 12	26.26	93.37	---
1997 01	20.65	37.50	---
1997 02	15.43	219.91	---
1997 03	0.00	---	---
1997 04	22.47	86.05	---
1997 05	36.87	75.24	---
1997 06	21.30	7.82	---
1997 07	13.42	197.12	---
1997 08	27.74	48.84	---
1997 09	23.43	110.95	---
1997 10	30.97	46.88	---
1997 11	17.00	72.55	---
1997 12	5.29	121.95	---
1998 01	0.03	32,000.00	---
1998 02	20.32	42.18	---
1998 03	0.00	---	---
1998 04	0.00	---	---
1998 05	0.00	---	---
1998 06	0.00	---	---
1998 07	0.00	---	---
1998 08	0.00	---	---
1998 09	0.00	---	---
1998 10	0.00	---	---
1998 11	0.00	---	---
1998 12	0.00	---	---
1999 01	---	---	---
1999 02	---	---	---
1999 03	---	---	---
1999 04	---	---	---
1999 05	---	---	---
1999 06	---	---	---
1999 07	---	---	---
1999 08	---	---	---
1999 09	---	---	---
1999 10	---	---	---
1999 11	---	---	---
1999 12	---	---	---
2000 01	---	---	---
2000 02	---	---	---
2000 03	---	---	---
2000 04	---	---	---
2000 05	---	---	---
2000 06	---	---	---
2000 07	---	---	---
2000 08	---	---	---
2000 09	---	---	---
2000 10	---	---	---
2000 11	---	---	---

COBRA SLICKLINE CORPORATION

Reservoir Engineering Data

Farmington, New Mexico

INDIVIDUAL WELL DATA SHEET

File No.: 4548P

Company: Burlington Resources, Inc.

Lease: Harrington

Well No.: 9

Field:

County/State: Rio Arriba, New Mexico

Formation: Pictured Cliffs/Mesaverde Current

Test Date: 11/2/00

Elevation (ft):		Casing Pressure (psi): 314	
Atmosphere Pressure (psi):		Tubing Pressure (psi): 183	
Total Depth (ft):		Fluid Level (ft): 4234	
Perforation (ft): 2129-2200		Water Level (ft):	
Tbg Size (in): 1 1/2	to (ft):	Temperature (°F): 132	at (ft): 4640
Csg Size (in):	to (ft):	Atmosphere Temperature (°F): 65	
Packer (ft):		Element No.: V78	
Seat Nipple (ft):		Element Range (psi): 0-3000	
Maximum Safe Test Depth (ft): 2120		Operator: R Montoya	Unit No.: WL5

Well Status: Shut in

Time	Depth Feet	Temperature °F	Pressure Psig	Differential Psi	Differential Feet	Gradient Psi per Ft
9:04	0	64.45	183.31		0	
9:12	1000	59.60	184.52	1.210	1000	0.001210
9:18	2000	67.51	189.72	5.200	1000	0.005200
9:24	3000	86.19	194.41	4.690	1000	0.004690
9:30	4000	105.38	197.73	3.320	1000	0.003320
9:35	4240	116.66	213.44	15.710	240	0.065458
9:38	4440	124.98	285.96	72.520	200	0.362600
9:42	4640	132.28	370.97	85.010	200	0.425050

Pressure:	Psig @ subsurf. Datum Depth (ft):	Feet/Change:
Last Pressure Date:	Last Pressure @ (ft):	
Remarks:		

COBRA SLICKLINE CORPORATION

Reservoir Engineering Data

Farmington, New Mexico

INDIVIDUAL WELL DATA SHEET

File No.: 4194P

Company: Burlington Resources, Inc.

Lease: Harrington

Well No.: 9

Field:

County/State: Rio Arriba, New Mexico

Formation: DK/GL Current

Test Date: 9/12/00

Elevation (ft):		Casing Pressure (psi): 0	
Atmosphere Pressure (psi): 11.41		Tubing Pressure (psi): 0	
Total Depth (ft):		Fluid Level (ft): 1915	
Perforation (ft): 6031-6780		Water Level (ft):	
Tbg Size (in): 1 1/2	to (ft):	Temperature (°F): 186.36	at (ft): 6630
Csg Size (in):	to (ft):	Atmosphere Temperature (°F): 86	
Packer (ft):		Element No.: 80323	
Seat Nipple (ft):		Element Range (psi): 0-6000	
Maximum Safe Test Depth (ft): 6630		Operator: J Williams	Unit No.: WL1

Well Status: shut in

Time	Depth Feet	Temperature °F	Pressure Psig	Differential Psi	Differential Feet	Gradient Psi per Ft
14:44	0	89.27	12.78		0	
14:49	100	81.91	12.85	0.074	100	0.000740
14:57	2000	89.39	53.45	40.597	1900	0.021367
15:04	3000	112.62	481.04	427.590	1000	0.427590
15:12	4000	128.57	914.26	433.217	1000	0.433217
15:18	5000	148.06	1346.11	431.848	1000	0.431848
15:23	6000	170.40	1775.02	428.919	1000	0.428919
15:29	6630	186.36	2045.29	270.268	630	0.428997

Pressure:	Psig @ subsurf. Datum Depth (ft):	Feet/Change:
Last Pressure Date:	Last Pressure @ (ft):	
Remarks:		

TEFTELLER INC

Pressure Gradient Report

Original

COMP	: MERIDIAN OIL INC	WELL	: HARRINGTON #9	T	: 0.0
FIELD	: BASIN	RES	: GALLUP/DAKOTA	DATUM	: 6650.0
DATE	: 02/21/1996	STATUS	: S.I.	HRS	: 0.0
TBG	: DPTH :	END	: PKR :	S N	: 6661
CSG	: DPTH :	PERFS	: 6034-6747 GRAD : 0.435000	T D	:

Depth (ft)	Pressure (psig)	Delta P (psi)	Gradient (psi/ft)
0	40.0		
2000	720.0	680.0	0.3400
4000	1590.0	870.0	0.4350
6000	2445.0	855.0	0.4275
6250	2553.0	108.0	0.4320
6450	2640.0	87.0	0.4350
6650	2727.0	87.0	0.4350
6650	2727.0	0.0	

REMARKS : TUBING PRESSURE 40 CASING PRESSURE: PKR
TOP OF WATER @ 437 BHT @ 6650 = 185

Last pressure date: 1-15-96 Last Pressure: 2589 @ 6650'

TEFTELLER INC

Pressure Gradient Report

Original

COMP : MERIDIAN OIL INC		WELL : HARRINGTON #9		T :	0.0
FIELD : BASIN		RES : MESA VERDE/CHARCA		DATUM :	4600.0
DATE : 02/21/1996		STATUS : S.I.		HRS :	0.0
TBG :	DPTH :	END :	PKR :	S N :	4618
CSG :	DPTH :	PERFS : 3300-4830	GRAD : 0.395000	T D :	

Depth (ft)	Pressure (psig)	Delta P (psi)	Gradient (psi/ft)
0	775.0		
1000	805.0	30.0	0.0300
2000	831.0	26.0	0.0260
3000	857.0	26.0	0.0260
4200	885.0	28.0	0.0233
4400	900.0	15.0	0.0750
4600	979.0	79.0	0.3950
4600	979.0	0.0	

REMARKS : TBG PRESSURE 775 CSG PRESSURE 789 BHT @ 4600 = 140
LAST PRESSURE DATE 1/15/96 LAST PRESSURE 805 @ 4515

Off set Operator

Samuel L & Grances Dazzo
901 Val Verde S.E.
Albuquerque, New Mexico 87108