DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 South First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

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
New 3-12-96

APPROVAL PROCESS :
_X_ Administrative ___Hearing

EXISTING WELLBORE
X__ YES ___ NO

Burlington Resources Oil and Gas

Operator | Address

Lease	Well No.	Unit Ltr. - Sec - Twp - Rge	County
Allen Com	#1-A	E-16-31N-9W	San Juan

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. ___14538_____ Property Code __6783_____ API NO. __30-045-23572_____ Federal _____ , State ___X___ Fee _____

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Pictured Cliffs - 72359		Mesaverde - 72319
2. Top and Bottom of Pay Section (Perforations)	Will be supplied upon completion.		5196'-5996'
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. 462 psi (est.) (offset Johnston Federal #12) (see attachment)		a. 406 psi (see attachment)
	(Original) b. 889 psi (est.) (offset Johnston Federal #12) (see attachment)		b. 796 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1054 (offset Johnston Federal #12)		BTU 1130
7. Producing or Shut-In?	Not completed yet.		Producing
Production Marginal? (yes or no)	Yes		No
* If Shut-In 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: N/A Rates:		Date: N/A Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: Rates:		Date: 3/1/97 Rates: 419 mcfd 1.0 bopd
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		Will be supplied upon completion.

RECEIVED
APR 2 9 1997
OIL CON. DIV.
DIST. 3

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? _X__Yes ___No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___Yes ___No
Have all offset operators been given written notice of the proposed downhole commingling? _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 all offset operators.
* 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 Mary Ellen Lutey TITLE Production Engineer DATE 4/24/97

TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (_505_) _326-9700_____

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
Revised February 2
Instructions
Submit to Appropriate District
State Lease - 4
Fee Lease - 3

☐ AMENDED R

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-045-23572	72359/72319	Blanco Pictured Cliffs/Blanco Mesaver

Property Code	Property Name	Well Numb
6783	Allen Com	1A

OGRID No.	Operator Name	Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6501'

Surface Location

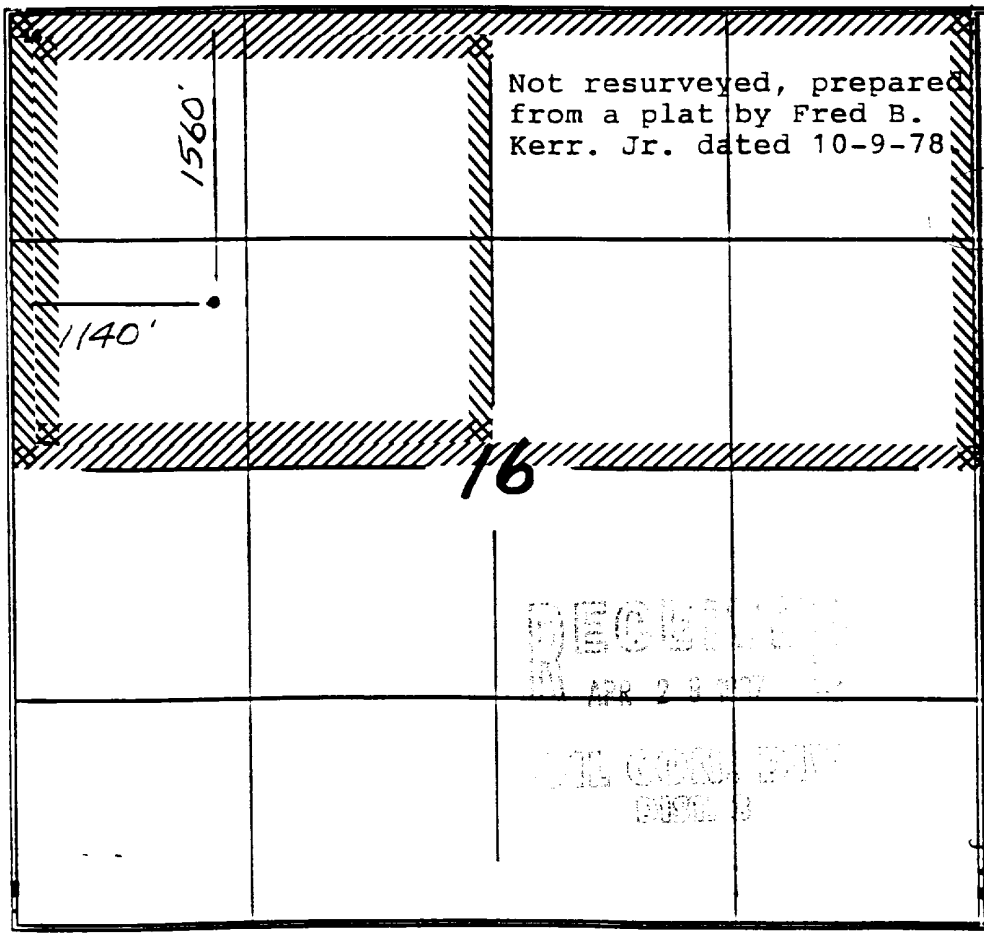
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	31-N	9-W		1560	North	1140	West	S.J.

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
PC-160 MV-N/320			

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



OPERATOR CERTIFICA

I hereby certify that the information contained h true and complete to the best of my knowledge a

Signature
Peggy Bradfield
Printed Name
Regulatory Administr
Title
4-28-97
Date

SURVEYOR CERTIFICA

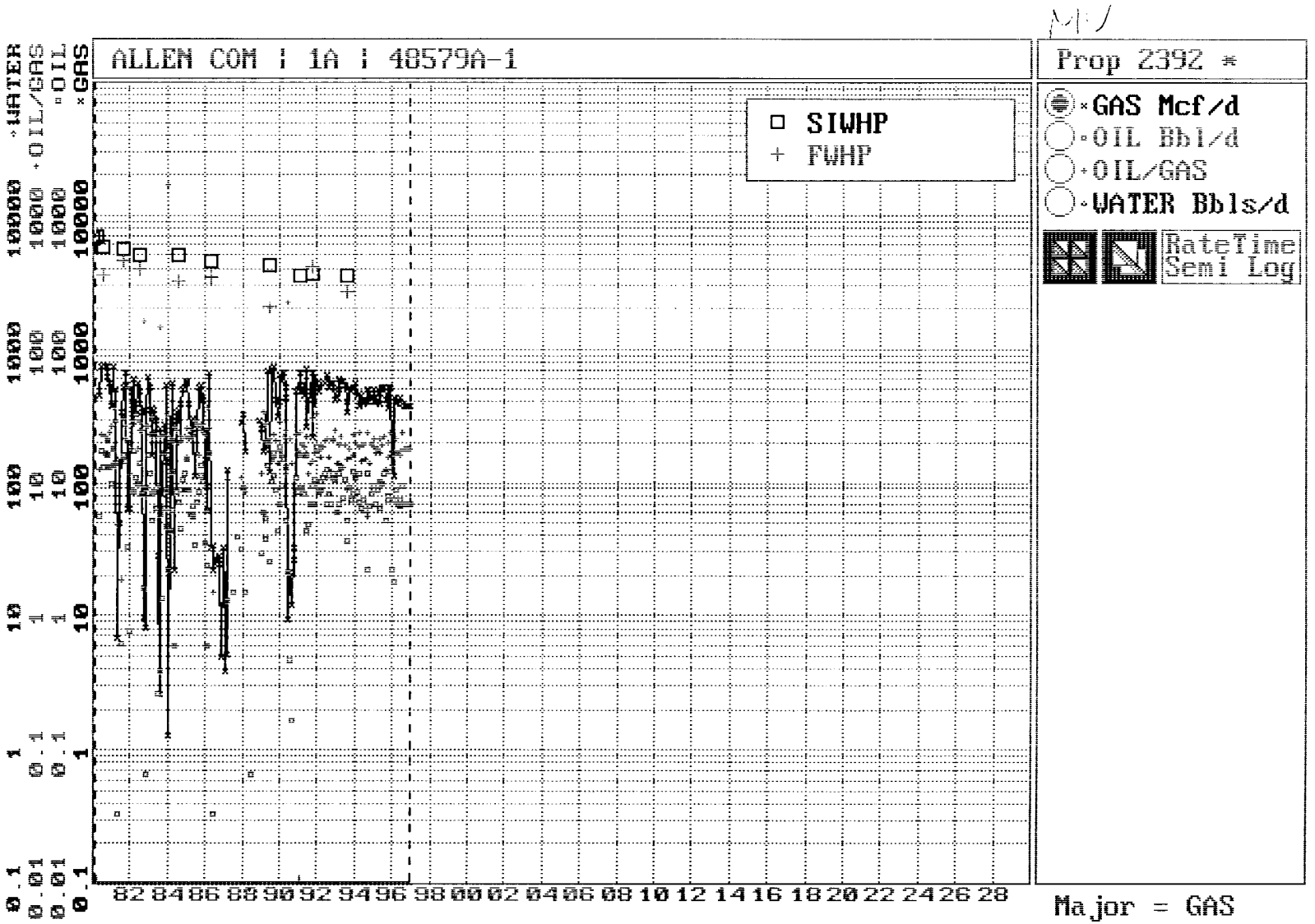
I hereby certify that the well location shown on was plotted from field notes of actual surveys m or under my supervision, and that the same is correct to the best of my belief.

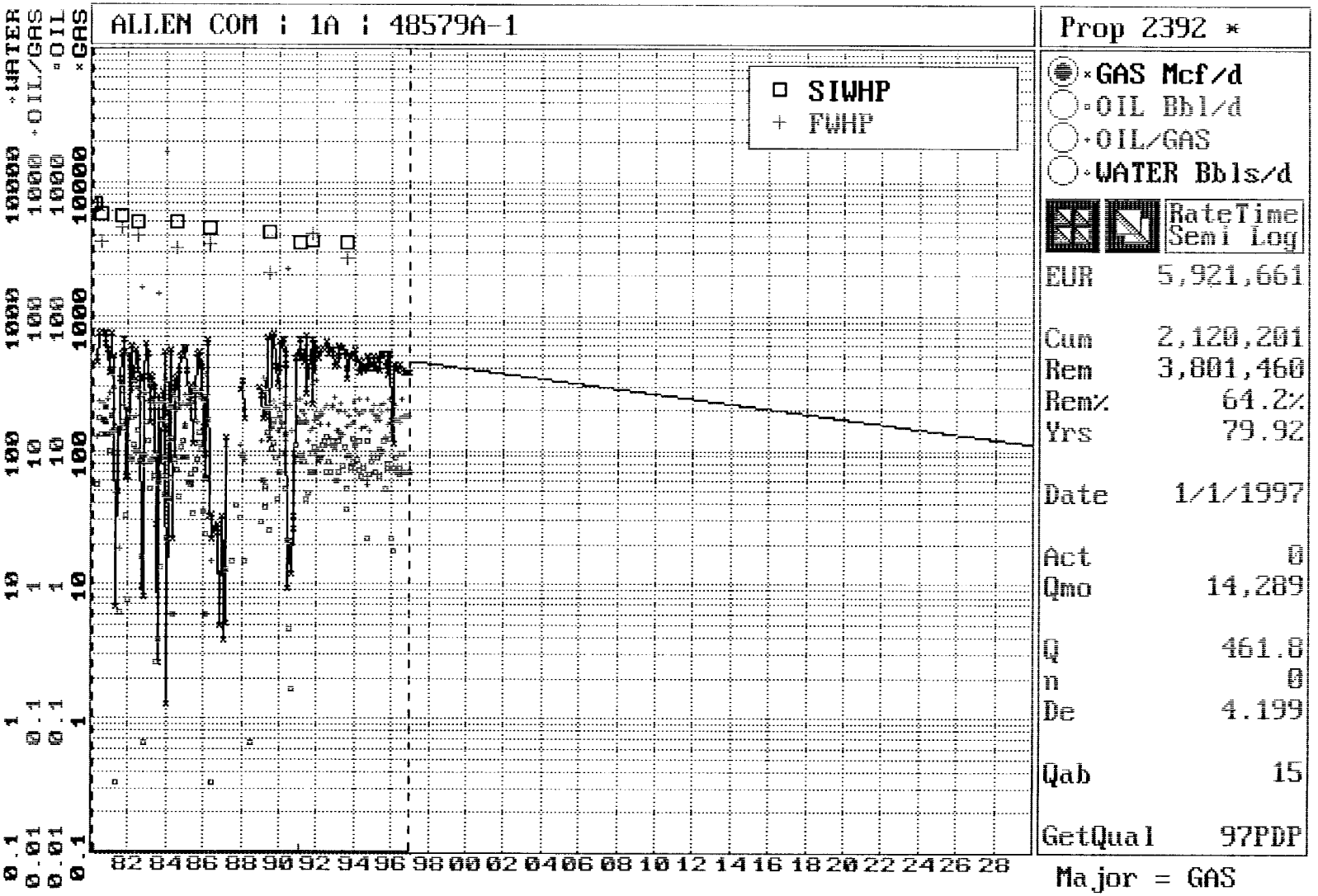
4/24/97
Date of Survey

Signature and Seal of Professional Surveyor

NEAL C. EDWA
NEW MEXICO
6857
REGISTERED PROFESSIONAL

6857
Certificate Number

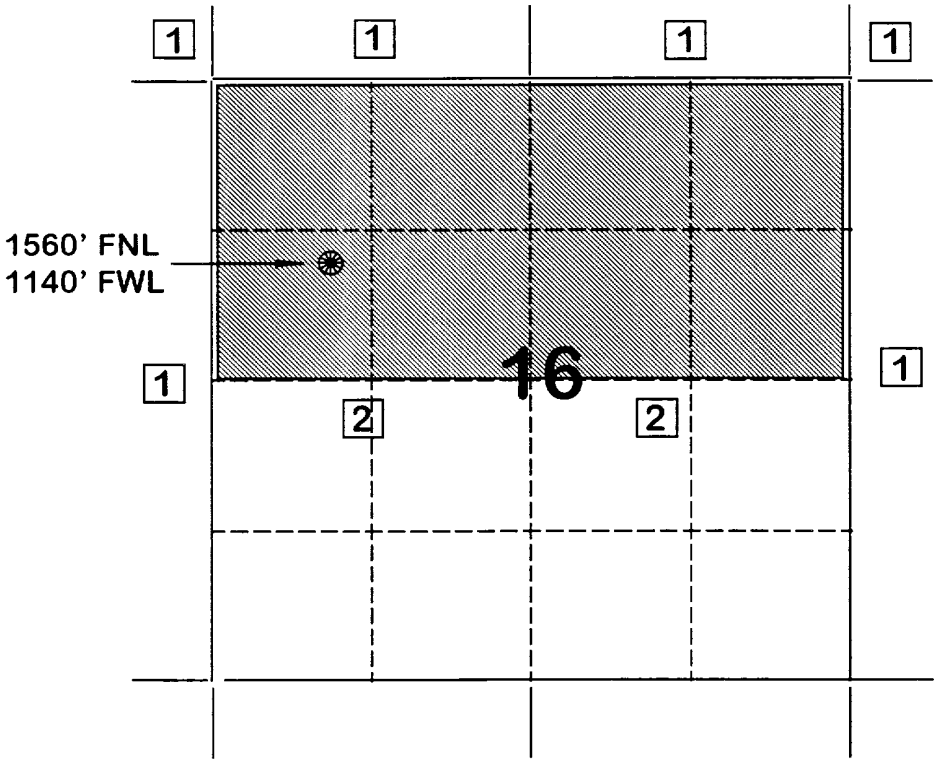

ALLEN COM | 1A | 48579A-1
Prop 2392 *
SIWHP
FWHP
GAS Mcf/d
OIL Bbl/d
OIL/GAS
WATER Bbls/d
RateTime
Semi Log
WATER
OIL/GAS
OIL
GAS
82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18 20 22 24 26 28
Major = GAS


ALLEN COM : 1A : 48579A-1
SIWHP
FWHP
·WATER
·OIL/GAS
▫OIL
×GAS
82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18 20 22 24 26 28
Prop 2392 *
×GAS Mcf/d
▫OIL Bbl/d
·OIL/GAS
·WATER Bbls/d
RateTime
Semi Log
EUR 5,921,661
Cum 2,120,201
Rem 3,801,460
Rem% 64.2%
Yrs 79.92
Date 1/1/1997
Act 0
Qmo 14,289
Q 461.8
n 0
De 4.199
Qab 15
GetQual 97PDP
Major = GAS

BURLINGTON RESOURCES OIL AND GAS COMPANY

Allen Com #1A
OFFSET OPERATOR \ OWNER PLAT
Mesaverde (N/2)/Pictured Cliffs (NW/4) Formations Commingle Well

Township 31 North, Range 9 West



1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
2) Four Star Oil & Gas Company
   P.O. Box 46555
   Denver, CO 80201

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD

GAS GRAVITY	0.67
COND. OR MISC. (C/M)	C
%N2	0.17
%CO2	1.69
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	6070
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	684
BOTTOMHOLE PRESSURE (PSIA)	795.5

ALLEN COM #1A MESAVERDE - (ORIGINAL)

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD

GAS GRAVITY	**0.67**
COND. OR MISC. (C/M)	**C**
%N2	**0.17**
%CO2	**1.69**
%H2S	**0**
DIAMETER (IN)	**2.4**
DEPTH (FT)	**6070**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**150**
FLOWRATE (MCFPD)	**0**
SURFACE PRESSURE (PSIA)	**352**
BOTTOMHOLE PRESSURE (PSIA)	406.1

ALLEN COM #1A MESAVERDE - (CURRENT)

MV

Organize Data ScreenGraph Economics Report Plot Utility Quit

Browsing: ALLEN COM | 1A | 48579A-1 Property No.: 2392

Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/11/103224

Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM_GAS--	M_SIWHP
	Mcf	Psi
01/14/80	0	684.0
03/18/80	0	685.0
07/07/80	60032	582.0
08/03/81	237946	560.0
06/28/82	362779	505.0
07/12/84	560500	507.0
04/04/86	780049	457.0
06/26/89	871855	423.0
02/18/91	1129903	355.0
10/08/91	1242235	367.0
08/16/93	1598840	352.0

F1=Help F3=PrvPro F5=PrvTbl F7=Calcu F9=Utils Alt+TableLtr=Change Table
F2=Jump F4=NxtPro F6=NxtTbl F8=Print F10=Exit Shift+<- ->=Fast Tbl R & L

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD

GAS GRAVITY	0.65
COND. OR MISC. (C/M)	C
%N2	0.48
%CO2	4.26
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	3700
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	423
BOTTOMHOLE PRESSURE (PSIA)	462.1

ALLEN COM #1A PICTURED CLIFFS - (ANTICIPATED)
JOHNSTON FEDERAL #12 PICTURED CLIFFS - (CURRENT)

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD

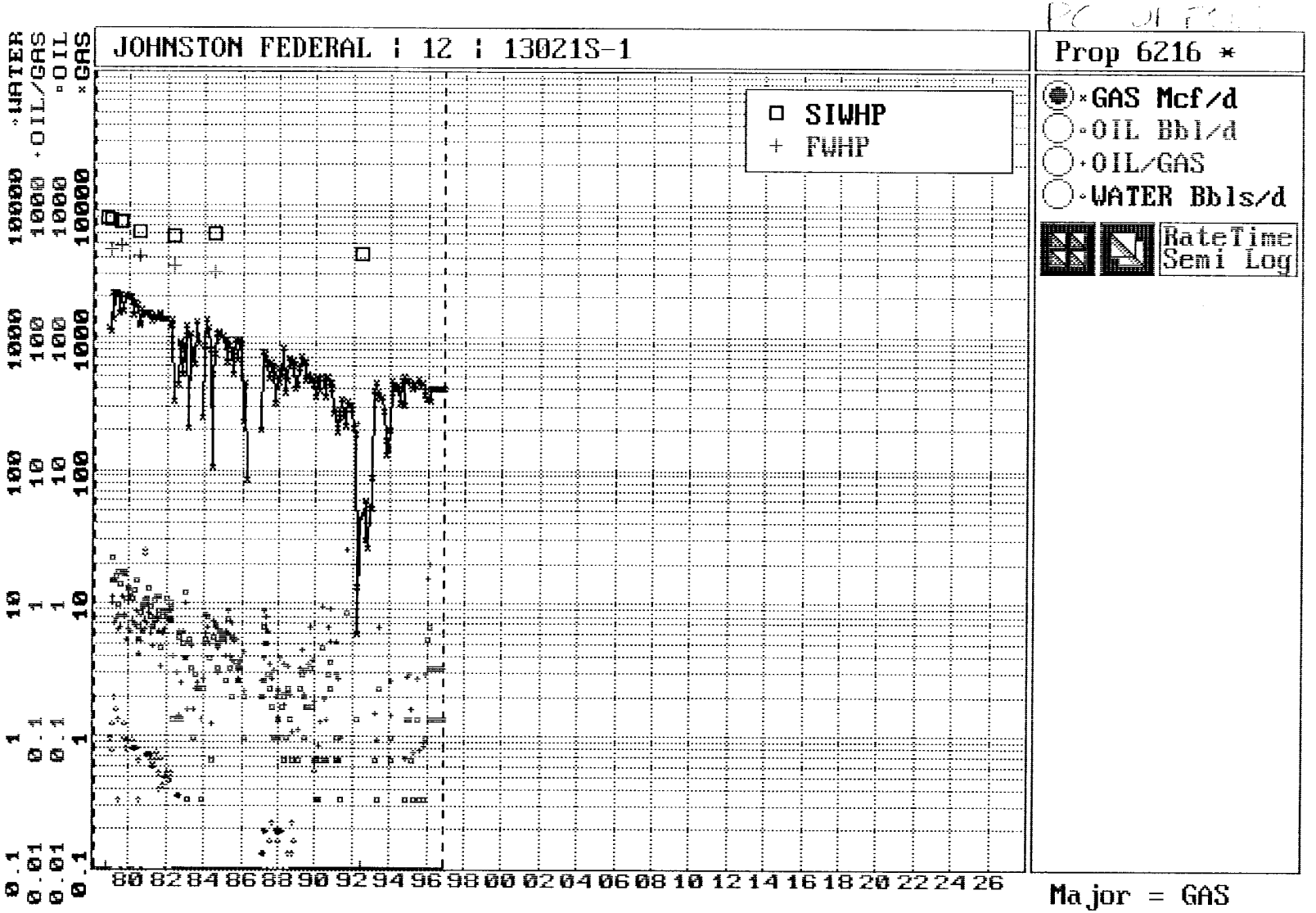
GAS GRAVITY	0.65
COND. OR MISC. (C/M)	C
%N2	0.48
%CO2	4.26
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	3700
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	809
BOTTOMHOLE PRESSURE (PSIA)	888.9

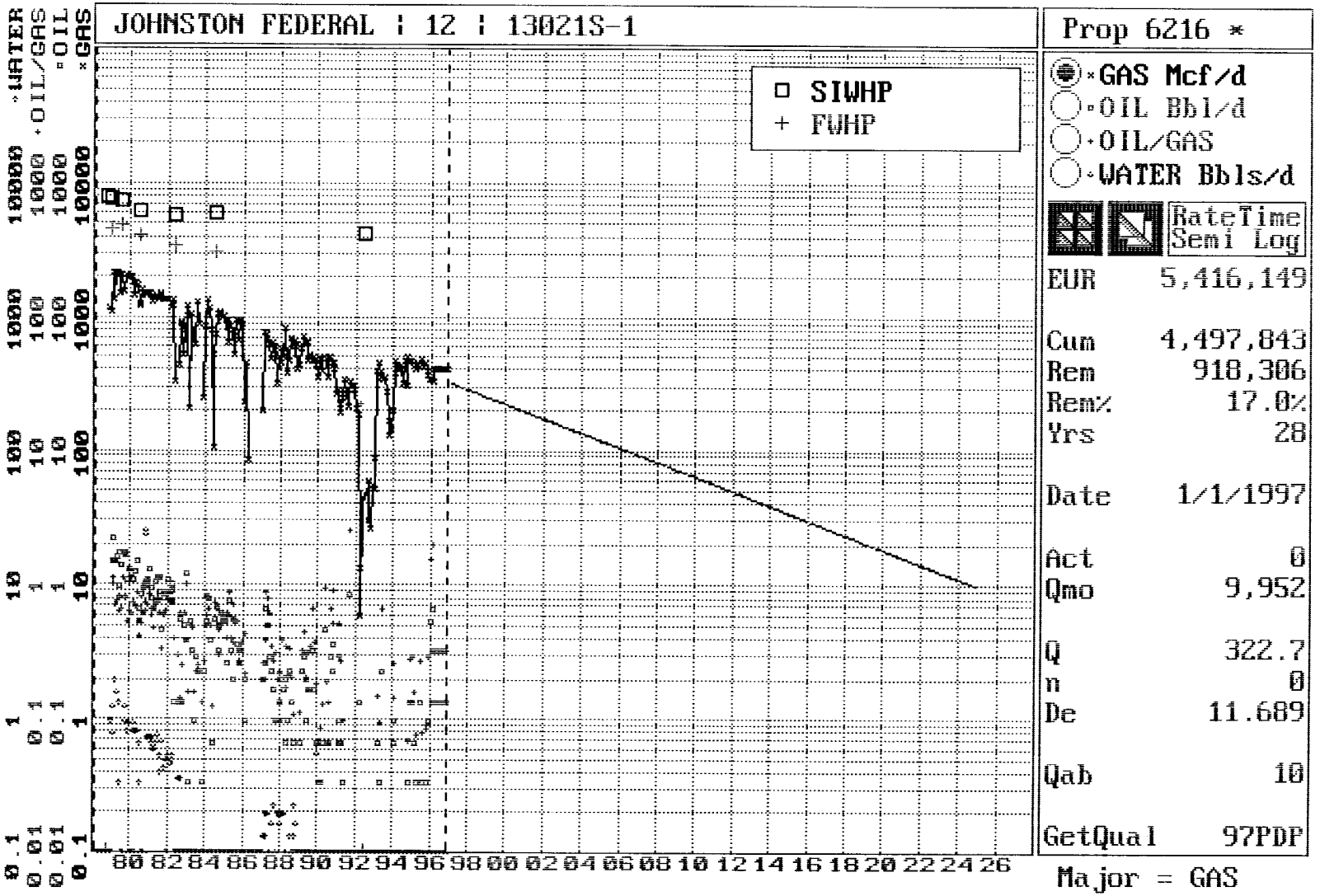
ALLEN COM #1A PICTURED CLIFFS - (ANTICIPATED)
JOHNSTON FEDERAL #12 PICTURED CLIFFS - (ORIGINAL)

Organize Data ScreenGraph Economics Report Plot Utility Quit
Browsing: JOHNSTON FEDERAL | 12 | 13021S-1 Property No.: 6216
Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/7/103224
Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM_GAS--	M_SIWHP
	Mcf	Psi
09/16/78	0	809.0
12/19/78	68704	784.0
06/21/79	416238	738.0
07/17/80	1120841	637.0
05/11/82	2035647	592.0
07/12/84	2566667	607.0
06/04/92	3962343	423.0

F1=Help F3=PrvPro F5=PrvTbl F7=Calcu F9=Utils Alt+TableLtr=Change Table
F2=Jump F4=NxtPro F6=NxtTbl F8=Print F10=Exit Shift+<- ->=Fast Tbl R & L


JOHNSTON FEDERAL : 12 : 13021S-1
SIWHP
FWHP
Prop 6216 *
GAS Mcf/d
OIL Bbl/d
OIL/GAS
WATER Bbls/d
RateTime
Semi Log
WATER
OIL/GAS
OIL
GAS
80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18 20 22 24 26
Major = GAS


JOHNSTON FEDERAL ¦ 12 ¦ 13021S-1
SIWHP
FWHP
Prop 6216 *
×GAS Mcf/d
·OIL Bbl/d
·OIL/GAS
·WATER Bbls/d
RateTime
Semi Log
EUR 5,416,149
Cum 4,497,843
Rem 918,306
Rem% 17.0%
Yrs 28
Date 1/1/1997
Act 0
Qmo 9,952
Q 322.7
n 0
De 11.689
Qab 10
GetQual 97PDP
Major = GAS
·WATER ·OIL/GAS ·OIL ×GAS
80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18 20 22 24 26

FARMINGTON 1997 MONTHLY PRODUCTION FOR 48579A PHS030M
ALLEN COM 1A
BLANCO MESAVERDE (PRORATED GAS FIELD MESAVERDE ZONE

			DAYS	====== OIL =======			========== GAS ==========					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD
1	2	F	31	02	220	38.2	01	11559	31	1130	15.025	
2	2	F	28	02	29	40.6	01	11722	28	1130	15.025	
3												
4					1.0 bopd			419 mcfd				
5												
6												
7												
8												
9												
10												
11												
12												

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTIC
00/00/00 00:00:00:0 PRS 04/03/97

B MY JOB NUM LU #29

ALLEN COM #1A
SECTION 16, T31N, R09W
SAN JUAN CO., NEW MEXICO