

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 & GAS COMPANY

PO Box 4289, Farmington, NM 87499

Operator

Address

Turner Hughes

#15A

I 3-27-9

San Juan, New Mexico

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7614 API NO. 30-045-26381 Federal X State (and/or) Fee

Table with 4 columns: The following facts are submitted in support of downhole commingling, Upper Zone, Intermediate Zone, Lower Zone. Rows include Pool Name, Pay Section, Type of production, Method of Production, Bottomhole Pressure, Oil Gravity, Producing or Shut-In, Production Marginal?, and Fixed Percentage Allocation.

RECEIVED FEB 11 1998 OIL CON. DIV. DIST. 3

- 9. If allocation formula is based upon something other than current or past production...
10. Are all working, overriding, and royalty interests identical in all commingled zones?
11. Will cross-flow occur?
12. Are all produced fluids from all commingled zones compatible with each other?
13. Will the value of production be decreased by commingling?
14. If this well is on, or communitized with, state or federal lands...
15. NMOC Reference Cases for Rule 303(D) Exceptions:
16. ATTACHMENTS:

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

SIGNATURE Kevin L. Midkiff TITLE Production Engineer DATE 01-29-98

TYPE OR PRINT NAME Kevin Midkiff TELEPHONE NO. (505) 326-9700

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-12
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

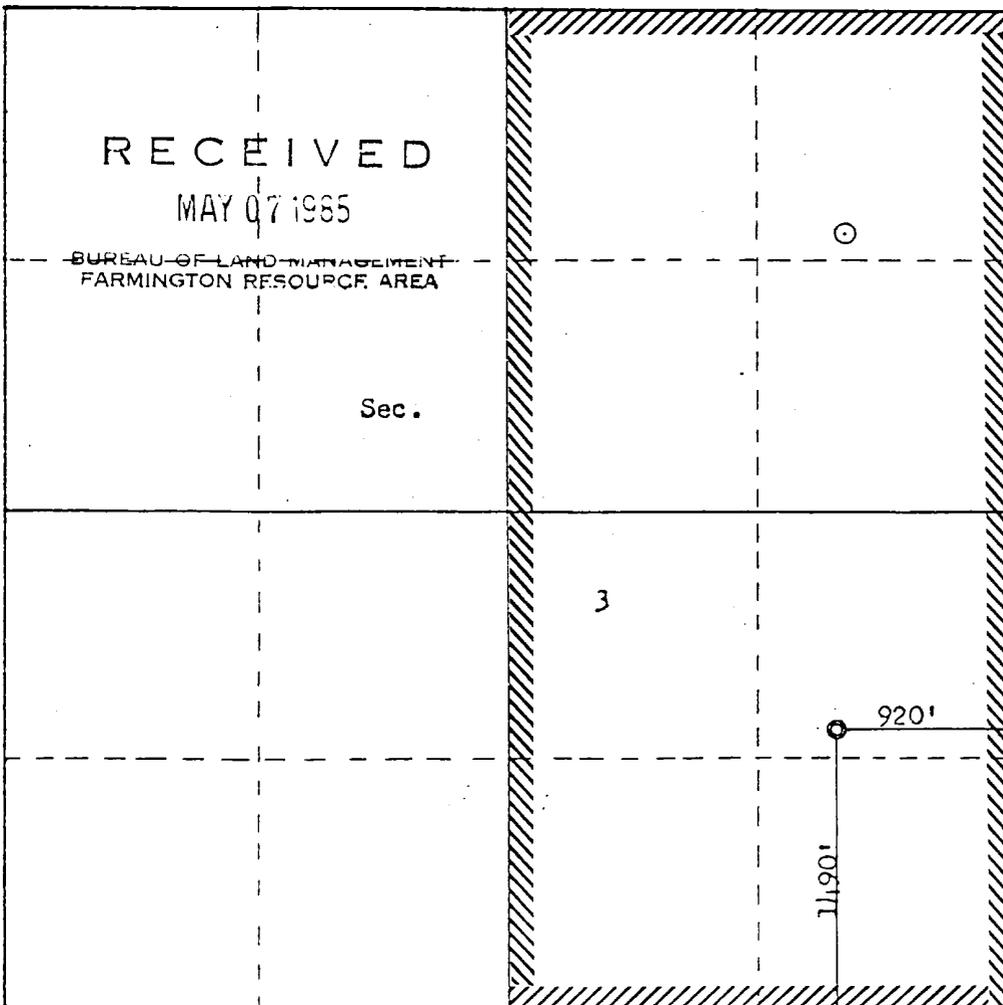
Operator EL PASO NATURAL GAS COMPANY		Lease TURNER HUGHES (SF 078050)		Well No. 15A
Unit Letter I	Section 3	Township 27N	Range 9W	County San Juan
Actual Footage Location of Well: 1190 feet from the South line and 920 feet from the East line				
Ground Level Elev: 6350	Producing Formation Mesa Verde/Chacra	Pool Blanco/Otero	Dedicated Acreage: 293.97 Acres	

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 been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

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

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



CERTIFICATION

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

[Signature]
Name
Drilling Clerk
Position
El Paso Natural Gas
Company
Date *May 3, 1985*

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 Surveyed
April 29, 1985
Registered Professional Engineer and Land Surveyor
[Signature]
Fred S. Kerr Jr.
Certificate No. _____

**Turner Hughes #15A
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method**

Version 1.0 3/13/94

Mesaverde	Chacra																																																
<u>MV-Current</u>	<u>CK-Current *</u>																																																
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* NOTE: Since the chacra is the recompletion target, we do not have pressure data for it in the Turner Hughes #15A. Therefore, data was taken from the Hancock A #10, located in section 35, T28N, R9W.

Page No.: 1
Print Time: Tue Dec 23 07:04:22 1997
Property ID: 277
Property Name: TURNER HUGHES | 15A | MESAVERDE
Table Name: S:\ARIES\1ROS\TEST.DBF

<u>--DATE--</u>	<u>---CUM GAS---</u>	<u>M SIWHP</u>	
	Mcf	Psi	
10/04/85	0	624.0	ORIGINAL
05/01/86	5493	524.0	
12/16/87	37520	451.0	
07/18/89	55952	440.0	
02/21/91	101081	281.0	
08/03/91	122833	293.0	
03/29/93	143213	298.0	
12/24/94	260343	117.0	CURRENT ESTIMATED FROM PZ DATA

Page No.: 1
Print Time: Wed Dec 24 16:12:31 1997
Property ID: 7528
Property Name: HANCOCK A | 10 | 45095A-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

OFFSET
CHACRA
WELL

<u>--DATE--</u>	<u>---CUM GAS--</u>	<u>M SIWHP</u>
	Mcf	Psi

12/18/74	0	1036.0
01/03/75	0	1049.0
04/11/75	13875	775.0
04/14/76	58431	489.0
06/28/77	90118	459.0
04/05/93	297074	397.0
12/26/97	339163	333.0

Original

Current Estimated from P12 data

Package Preparation Volume Data

DPNo: 54058A TURNER HUGHES 15A Form: MV

Supt: 60 KEN RAYBON FF: 337 STEVE FLOREZ MS: 301 LONNIE CUNNINGHAM
 Pipeline: EPNG Plunger: Yes Dual: No Compressor: No

<u>Ownership (No Trust)</u>			<u>Prior Year</u>			<u>Current Year</u>		
<u>Gas</u>	<u>Oil</u>		<u>MCF/M</u>	<u>BOPM</u>	<u>Days On</u>	<u>MCF/M</u>	<u>BOPM</u>	<u>Days On</u>
GWI: 100.0000%	100.0000%							
GNI: 75.0000%	75.0000%							
		Jan	2,565	27.0	31	3,563	25.0	31
		Feb	1,449	10.0	29	3,069	12.0	28
		Mar	2,048	8.0	31	2,124	0.0	31
<u>Volumes</u>		Apr	1,549	13.0	30	3,431	24.0	30
<u>(Days On)</u>	<u>MCFD</u>	<u>BOPD</u>						
7 Day Avg	31	4.8	May	947	0.0	31	3,898	39.0
30 Day Avg	84	0.5	Jun	1,021	22.0	30	2,932	18.0
60 Day Avg	100	0.6	Jul	1,017	0.0	31	2,798	9.0
3 Mo Avg	110	0.7	Aug	1,486	1.0	31	3,251	19.0
6 Mo Avg	109	0.7	Sept	634	22.0	5.1	3,277	28.0
12 MoAvg			Oct	2,353	8.0	15	3,568	19.0
			Nov	2,055	16.0	16	0	0.0
<u>Volumes</u>			Dec	2,256	7.0	17	0	0.0
<u>(Days in Month)</u>	<u>MCFD</u>	<u>BOPD</u>	Total	19,380	134.0		31,911	193.0
30 Day Avg	84	0.5						
60 Day Avg	100	0.6						
3 Mo Avg	108	0.7						
6 Mo Avg	99	0.6						
12 Mo Avg								

Print Form

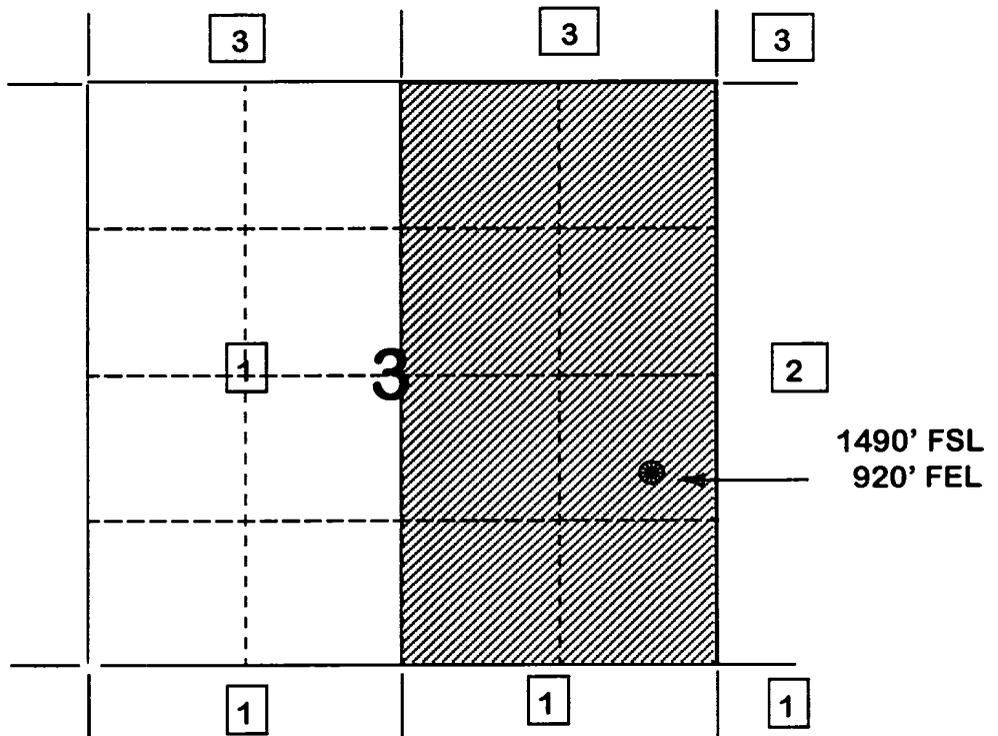
Exit Volumes Data

BURLINGTON RESOURCES OIL AND GAS COMPANY

**Turner Hughes #15A
OFFSET OPERATOR/OWNER PLAT**

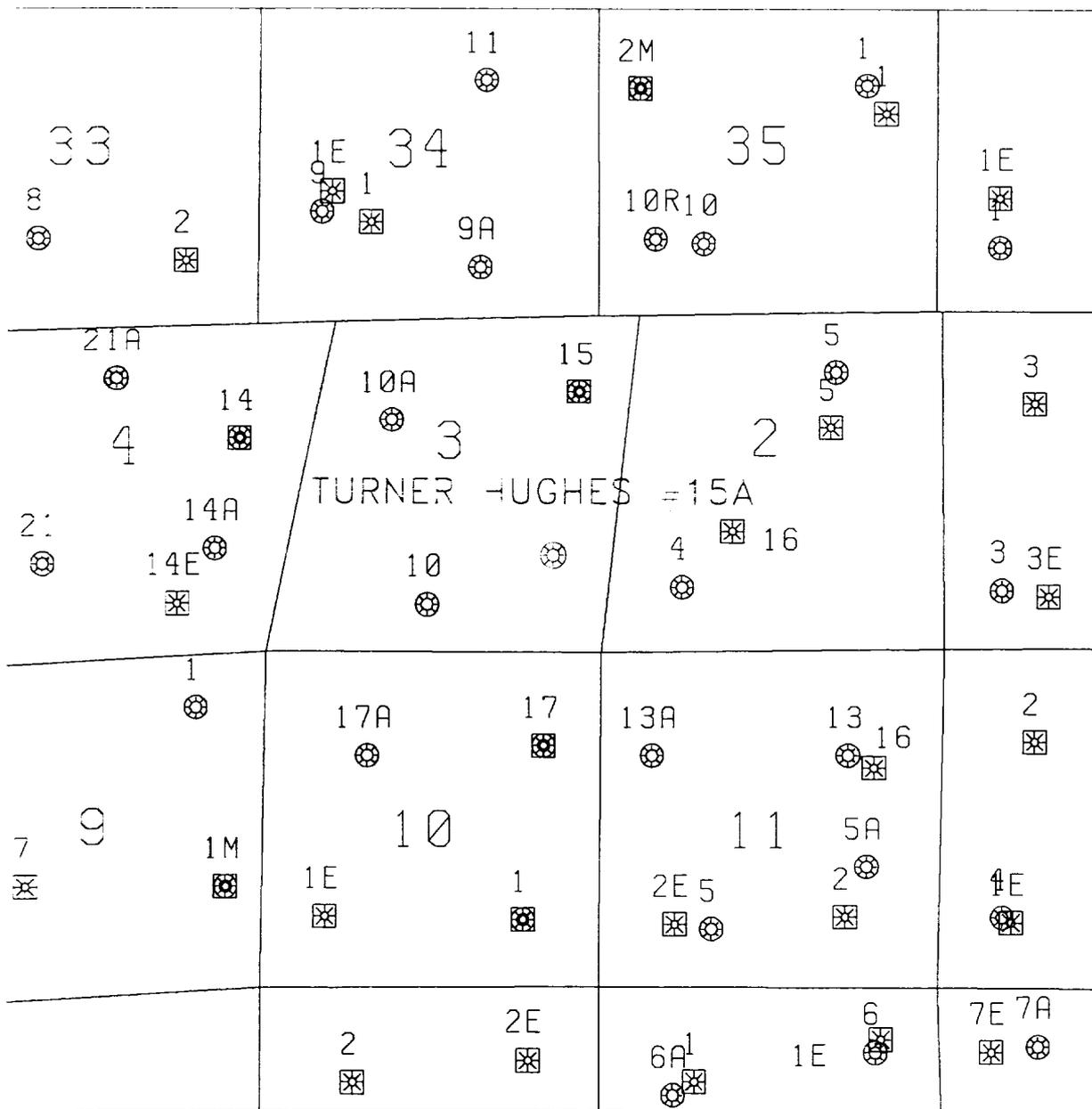
Chacra (SE/4) / Mesaverde (E/2) Formations Commingle Well

Township 27 North, Range 9 West



1) Burlington Resources
2) Four Star Oil & Gas Co.
c/o Texaco Exploration
P.O. Box 2100
Denver, CO 80201

3) Amoco Production Company
c/o Bruce Zimney
P.O. Box 800
Denver, CO 80201



LMO 2/5/98

TURNER HUGHES #15A
SEC. 3, T27N, R9W
CHACRA/MESAVERDE

Pertinent Data Sheet - TURNER HUGHES #15A CHACRA

Location: 1490' FSL & 920' FEL. Unit I, Section 3. T27N, R9W. San Juan County, New Mexico

Field: Blanco Mesaverde
Harris Mesa Chacra

Elevation: 6349' GL
13' KB

TD: 5169'
PBTD: 5127'

Completed: 10/4/85

Spud Date: 7/7/85

DP #: MV=54058A
CH=54058B
LEASE: Fed: SF 078050
GWl: 100%
NRI: 75.00%
Prop#: 012633000

Initial Potential: SICP=612 PSI

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cmt Top</u>
12-1/4"	9-5/8"	32.3# H-40	229'	142 cf	Circ Cmt
8-3/4"	7"	20.0# J-55	2753'	379 cf	950' - Survey
6-1/4"	4-1/2" liner	10.5# J-55	2561'-5169'	512 cf	Circ Cmt @ 52% Eff.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
2-3/8"	4.70# J-55 EUE	5123'	159 Jts
	S.N. @ 5089'		

Formation Tops:

Chacra	3342'
Mesaverde	4032'
Menefee:	4080'
Point Lookout:	4692'

Logging Record: Induction. Density Neutron. Temp

Stimulation: Perf Lower Point Lookout w/1 spf @ 4961', 96', 5004', 22', 40', 58', 76', 5122', 37'. Total 9 holes. Fraced w/43,000# sand in slick water. Perfed Point Lookout w/1 spf @ 4714', 18', 24', 29', 32', 36', 40', 47', 64', 68', 72', 83', 87', 90', 4820', 34', 44', 56', 82', 4903', 20'. Total 21 holes. Fraced w/81,000# sand in slick water.

Workover History: NONE

Production History: 1st delivered 10/29/85. Current MV capacity is 60 MCF/D. Cum is 252 MMCF & 1852 BO. Line pressure is 120 psi.

Pipeline: EPNG

