

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 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS :

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

Albright

2J

E 22-29-10

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6781 API NO. 30-045-23564 Federal ☒ 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	Aztec Pictured Cliffs - 71280		Otero Chacra - 82329
2. Top and Bottom of Pay Section (Perforations)	2006-2038'		3072-3082'
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. 199.6 psi (Original) b. 387.3 psi	a. b.	417.5 psi b. 1075.9 psi
6. Oil Gravity (°API) or Gas BTU Content	1173		1167
7. Producing or Shut-In?	producing		producing
Production Marginal? (yes or no)	yes		yes
* 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: Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: %	Oil: % Gas: % 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 ☐ 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? ☒ Yes ☐ No11. Will cross-flow occur? ☒ 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. ☒ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ 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. ☒ 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 Steve Campbell TITLE Production Engineer DATE 2/28/97TYPE OR PRINT NAME Steve Campbell TELEPHONE NO. (505) 326-9700

W LOCATION AND ACREAGE DEDICATION PLAT

Effective 1

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

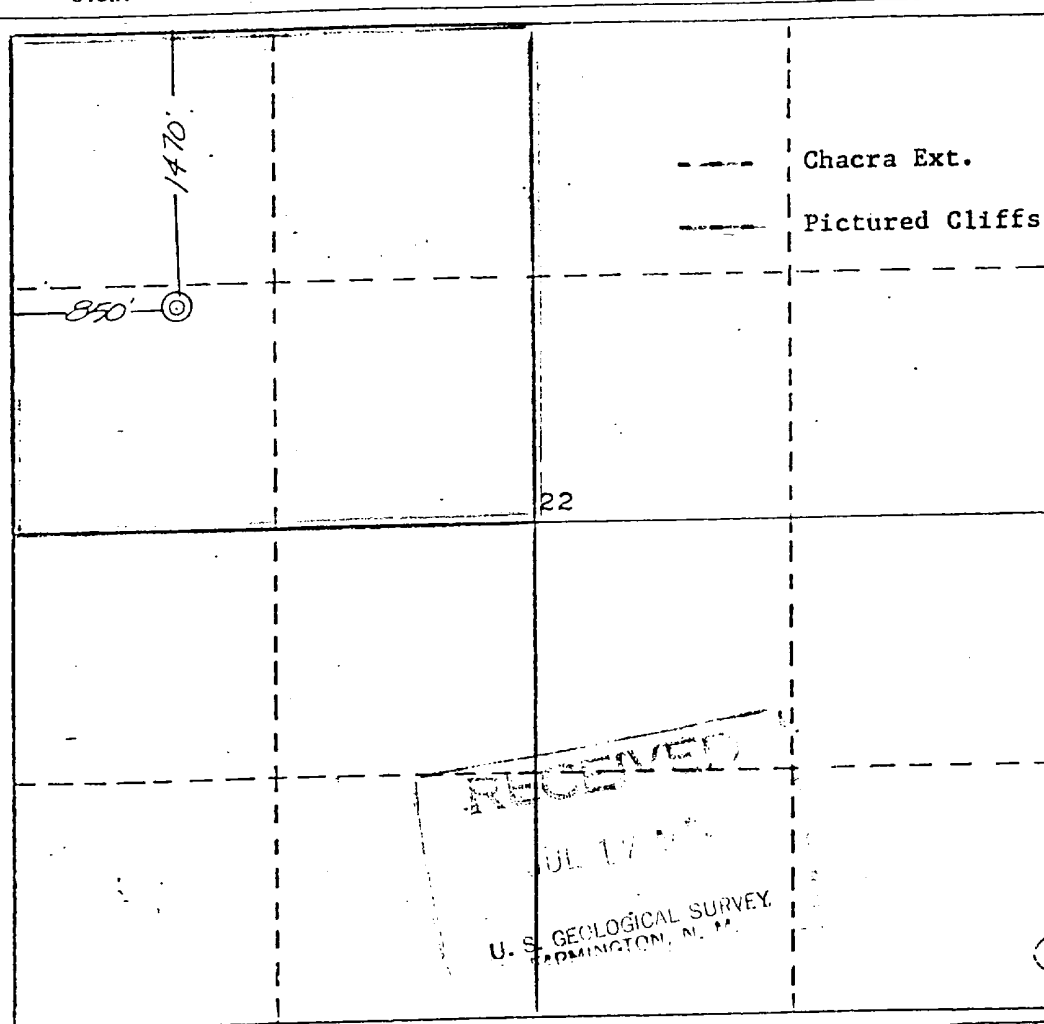
Operator SUPRON ENERGY CORPORATION			Lease ALBRIGHT		Well No. 2- J
Unit Letter E	Section 22	Township 29 NORTH	Range 10 WEST	County SAN JUAN	
Actual Footage Location of Well: 1470 feet from the NORTH line and 850 feet from the WEST line					
Ground Level Elev. 5649	Producing Formation Chacra Ext. Pictured Cliffs		Pool Bloomfield Aztec	Dedicated Acreage: NW 1/4 160	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 work 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 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.

Rudy D. Motto

Name *Rudy D. Motto*

Position **Area Superintendent**

Company **SUPRON ENERGY CORPORATION**

Date **July 16, 1979**

I hereby certify that the information shown on this plat is true and complete to the best of my knowledge and belief, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **12 April 1979**

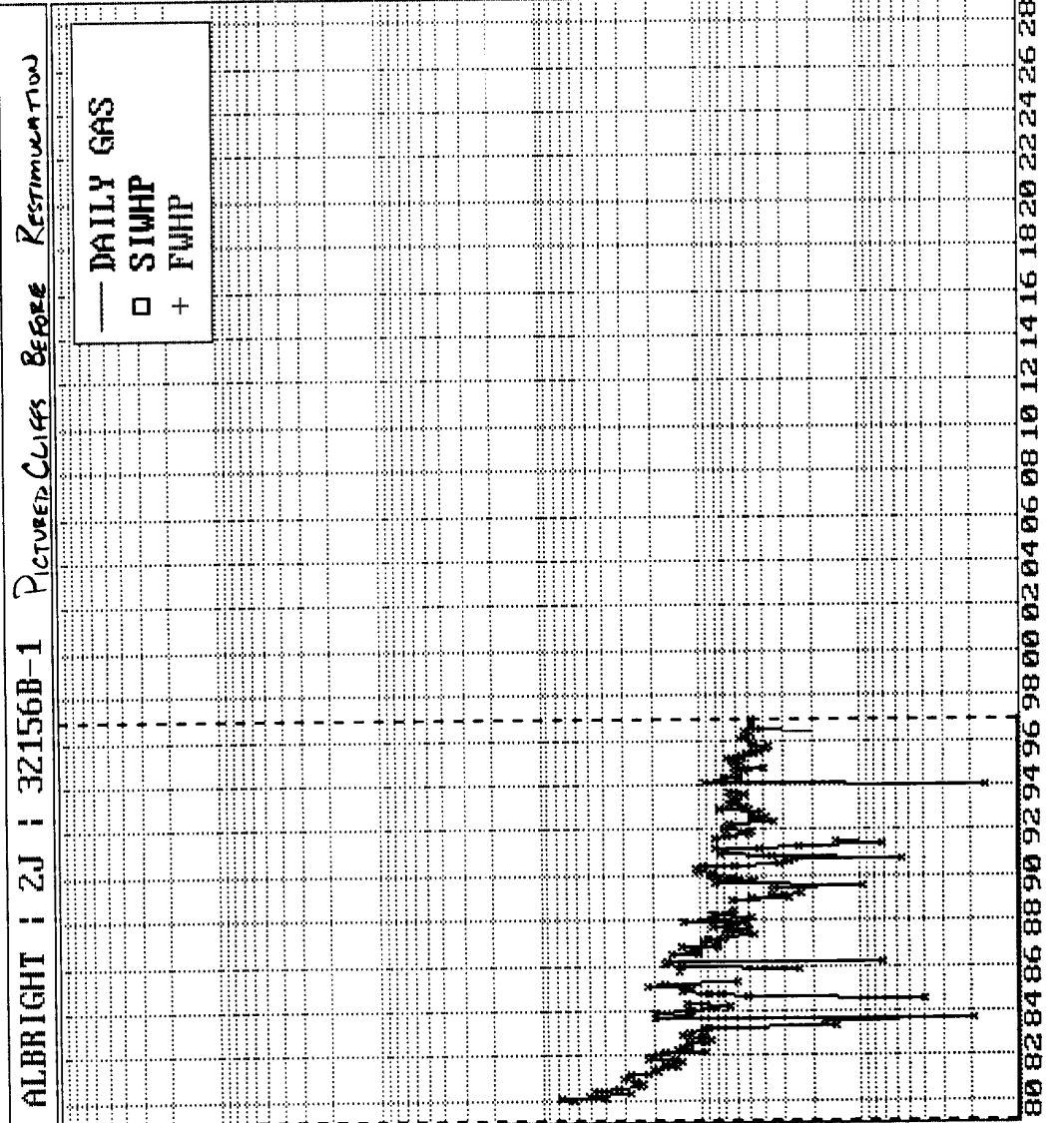
Registered Professional Engineer and/or Land Surveyor

James P. Leese
James P. Leese

Certificate No. **1463**

OPERATOR

* WATER 10000
 * OIL/GAS 1000
 * OIL 100
 * GAS 10000
 1000
 100
 10
 1
 0.1
 0.01
 0.001



Prop 12
 * GAS Mcf/d
 * OIL Bbl/d
 * OIL/GAS
 * WATER Bbls/d
 RateTime
 Semi Log

Major = GAS

*WATER 10000
 *OIL/GAS 1000
 *OIL 1000
 *GAS 10000

ALBRIGHT : 2J : 32156A-1

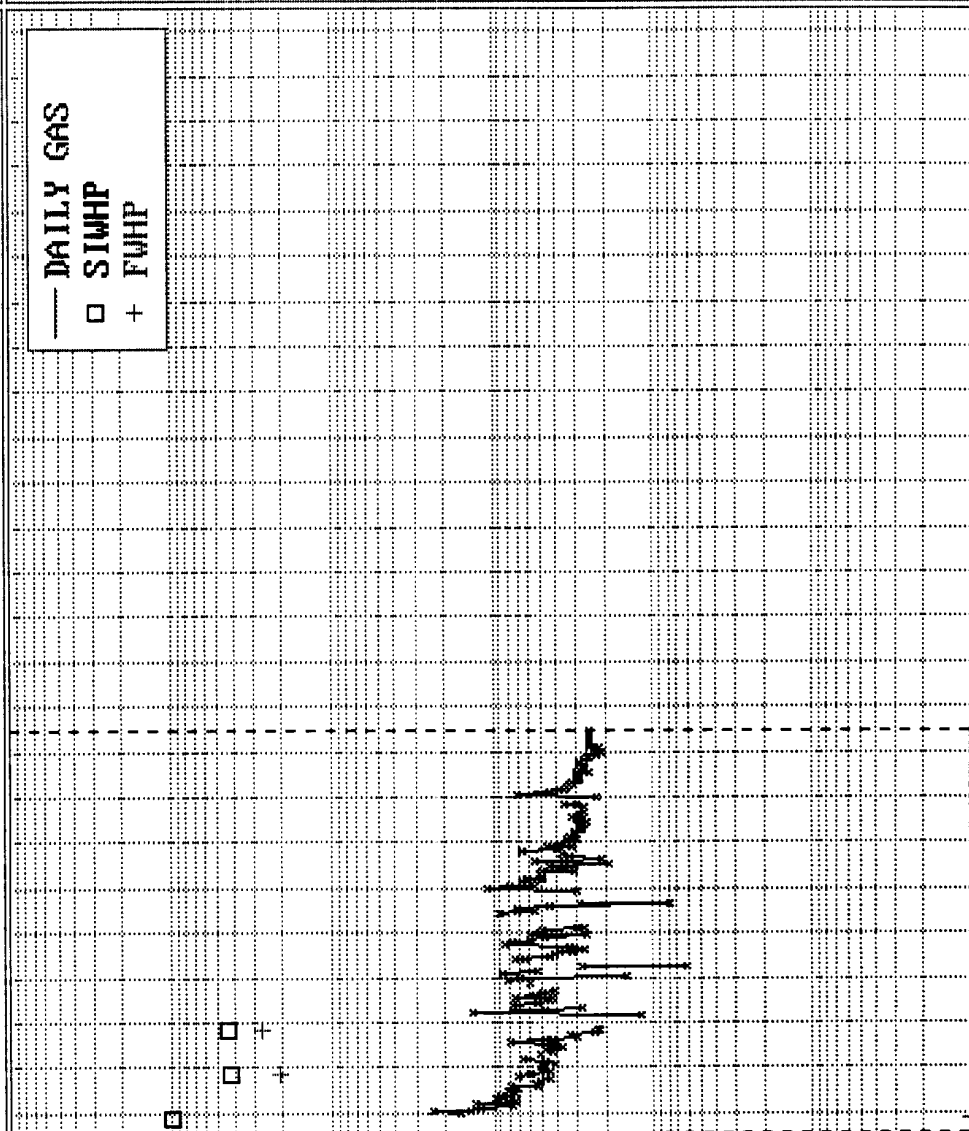
CHACRA

Prop 7250 *

— DAILY GAS
 □ SIWHP
 + FWHP

☒ *GAS Mcf/d
☐ *OIL Bbl/d
☐ *OIL/GAS
☐ *WATER Bbls/d

☒ RateTime
☒ Semi Log



80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18 20 22 24 26 28

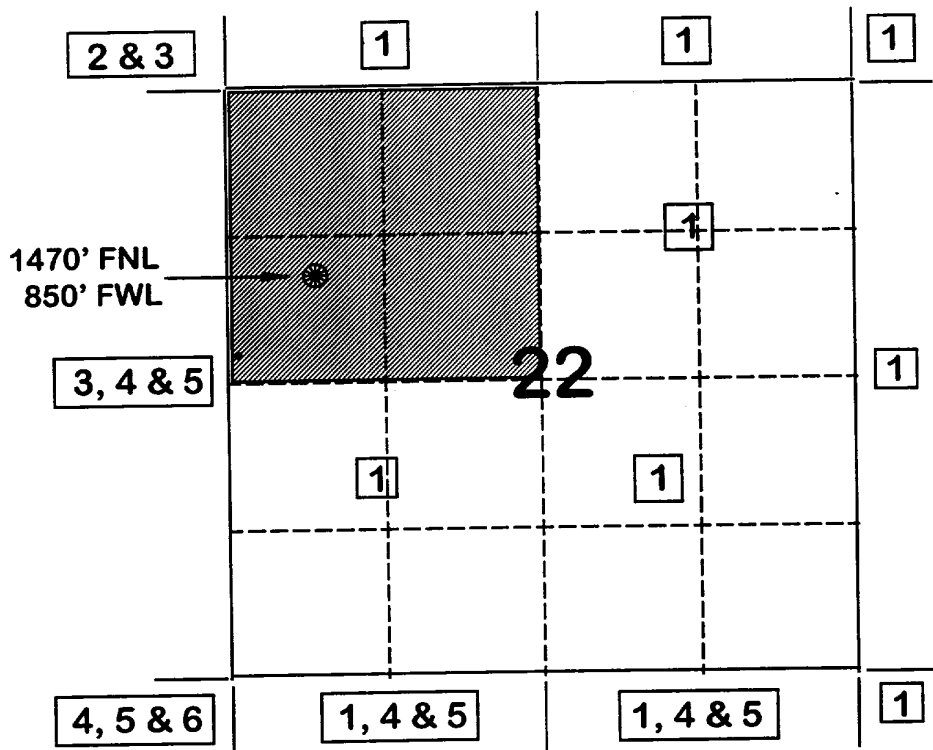
Major = GAS

BURLINGTON RESOURCES OIL AND GAS COMPANY

Albright #2J OFFSET OPERATOR \ OWNER PLAT

Pictured Cliffs/Chacra Formations Commingle Well

Township 29 North, Range 10 West



- 1) Burlington Resources Oil and Gas Company
- 2) Dugan Production Corporation
P.O. Box 420
709 E. Murray Dr.
Farmington, NM 87499
- 3) Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705

- 4) Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201
- 5) SG Interest I Ltd
P.O. Box 338
Ignacio, CO 81137
- 6) Norman L. Gilbreath
P.O. Box 208
Aztec, NM 87410

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.672
COND. OR MISC. (C/M)	M
%N2	0.5
%CO2	0.62
%H2S	0
DIAMETER (IN)	1.995
DEPTH (FT)	2022
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	88
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	368
BOTTOMHOLE PRESSURE (PSIA)	387.3

Albright #2J - Pictured Cliffs
Initial Bottomhole Pressure

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.672</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.5</u>
%CO2	<u>0.62</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.995</u>
DEPTH (FT)	<u>2022</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>88</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>190</u>
BOTTOMHOLE PRESSURE (PSIA)	199.6

Albright #2J - Pictured Cliffs

Current Bottomhole Pressure

Surface Shut-in Pressure from NMOCD Packer Leakage Test dated 8/5/96

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.664
COND. OR MISC. (C/M)	M
%N2	0.59
%CO2	0.32
%H2S	0
DIAMETER (IN)	1.996
DEPTH (FT)	3077
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	136
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	992
 BOTTOMHOLE PRESSURE (PSIA)	 1075.9

Albright #2J - Chacra
Initial Bottomhole Pressure

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.664
COND. OR MISC. (C/M)	M
%N2	0.59
%CO2	0.32
%H2S	0
DIAMETER (IN)	1.995
DEPTH (FT)	3077
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	136
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	388
BOTTOMHOLE PRESSURE (PSIA)	417.5

Albright #2J - Chacra

Current Bottomhole Pressure

Surface Shut-in Pressure from NMOCD Packer Leakage Test dated 8/5/96

FDG055M4 GF00
START OF DATA
DP NO: 32156b
ALBRIGHT

WELL PRODUCTION 8/8'S VOLUME

02/12/97 18:18:3

DATE: 970210 (YYMMDD FORMAT)

SCROLL FORWARD BY DATE: _

RETURNED CLIFFS

2J

S	E	DATE	HOURS	-OIL PROD-	-GAS PROD-	-WATER PROD-		
L		PRODUCED	ON	(BOPD	(MCFD	(BWPD		
				BOPM)	MCFM)	BWPM)		
-		02/10/97	24.0	0.00	5	50	0.00	0.00
-		02/09/97	24.0	0.00	5	45	0.00	0.00
-		02/08/97	24.0	0.00	5	40	0.00	0.00
-		02/07/97	24.0	0.00	5	35	0.00	0.00
-		02/06/97	24.0	0.00	5	30	0.00	0.00
-		02/05/97	24.0	0.00	5	25	0.00	0.00
-		02/04/97	24.0	0.00	5	20	0.00	0.00
-		02/03/97	24.0	0.00	5	15	0.00	0.00
-		02/02/97	24.0	0.00	5	10	0.00	0.00
-		02/01/97	24.0	0.00	5	5	0.00	0.00
-		01/31/97	24.0	0.00	5	155	0.00	0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF12=MAIN MENU
B MY JOB

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
ENTER=BACKWARDS LU #2 PF24=HELP

FDG055M4 GF00
START OF DATA
DP NO: 32156a
ALBRIGHT

WELL PRODUCTION 8/8'S VOLUME

02/12/97 18:18:5

DATE: 970210 (YYMMDD FORMAT)

SCROLL FORWARD BY DATE: _

CHACRA

2J

S	E	DATE	HOURS	-OIL PROD-	-GAS PROD-	-WATER PROD-		
L		PRODUCED	ON	(BOPD	(MCFD	(BWPD		
				BOPM)	MCFM)	BWPM)		
-		02/10/97	24.0	0.00	38	380	0.00	0.00
-		02/09/97	24.0	0.00	38	342	0.00	0.00
-		02/08/97	24.0	0.00	38	304	0.00	0.00
-		02/07/97	24.0	0.00	38	266	0.00	0.00
-		02/06/97	24.0	0.00	38	228	0.00	0.00
-		02/05/97	24.0	0.00	38	190	0.00	0.00
-		02/04/97	24.0	0.00	38	152	0.00	0.00
-		02/03/97	24.0	0.00	38	114	0.00	0.00
-		02/02/97	24.0	0.00	38	76	0.00	0.00
-		02/01/97	24.0	0.00	38	38	0.00	0.00
-		01/31/97	24.0	0.00	38	1178	0.00	0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF12=MAIN MENU
B MY JOB

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
ENTER=BACKWARDS LU #2 PF24=HELP

[illegible]

CHACRA WELLS
PICTURED CLIFFS