

DATE IN 3/3/97	SUSPENSE 3/24/97	ENGINEER BS	LOGGED KV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

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

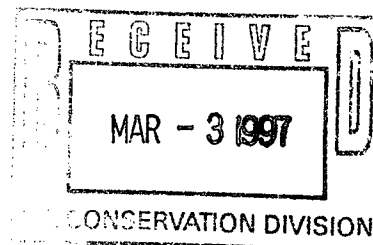
Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

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

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



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

[A] ☐ 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 Bradfield
 Print or Type Name Peggy Bradfield Signature

Regulatory/Compliance Administrator

Title

2-28-97
 Date

BURLINGTON RESOURCES

February 28, 1997
BURLINGTON

SENT FEDERAL EXPRESS

Mr. William LeMay
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Albright #2J
1470'FNL, 850'FWL Section 22, T-29-N, R-10-W, San Juan County, NM
API #30-045-23564

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Aztec Pictured Cliffs and Otero Chacra in the subject well. This well is currently a Pictured Cliffs - Chacra dual.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curve for at least one year;
4. Notification list of offset operators;
5. Shut in wellhead pressure and calculated down hole pressure;
6. Nine-section plats for the Dakota and Mesa Verde

We will consult with the Supervisor of the Aztec District Office of the New Mexico Oil Conservation Division to establish an allocation formula.

Please let me know if you require additional data.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator
encs.

xc: Bureau of Land Management

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

Form 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	a.	417.5 psi
	(Original) b. 387.3 psi	b.	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 * If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
	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 ☐ No
11. 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 ☐ No
13. 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 2/28/97

TYPE OR PRINT NAME Steve Campbell TELEPHONE NO. (505) 326-9700

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-10
Supersedes
Effective 1

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

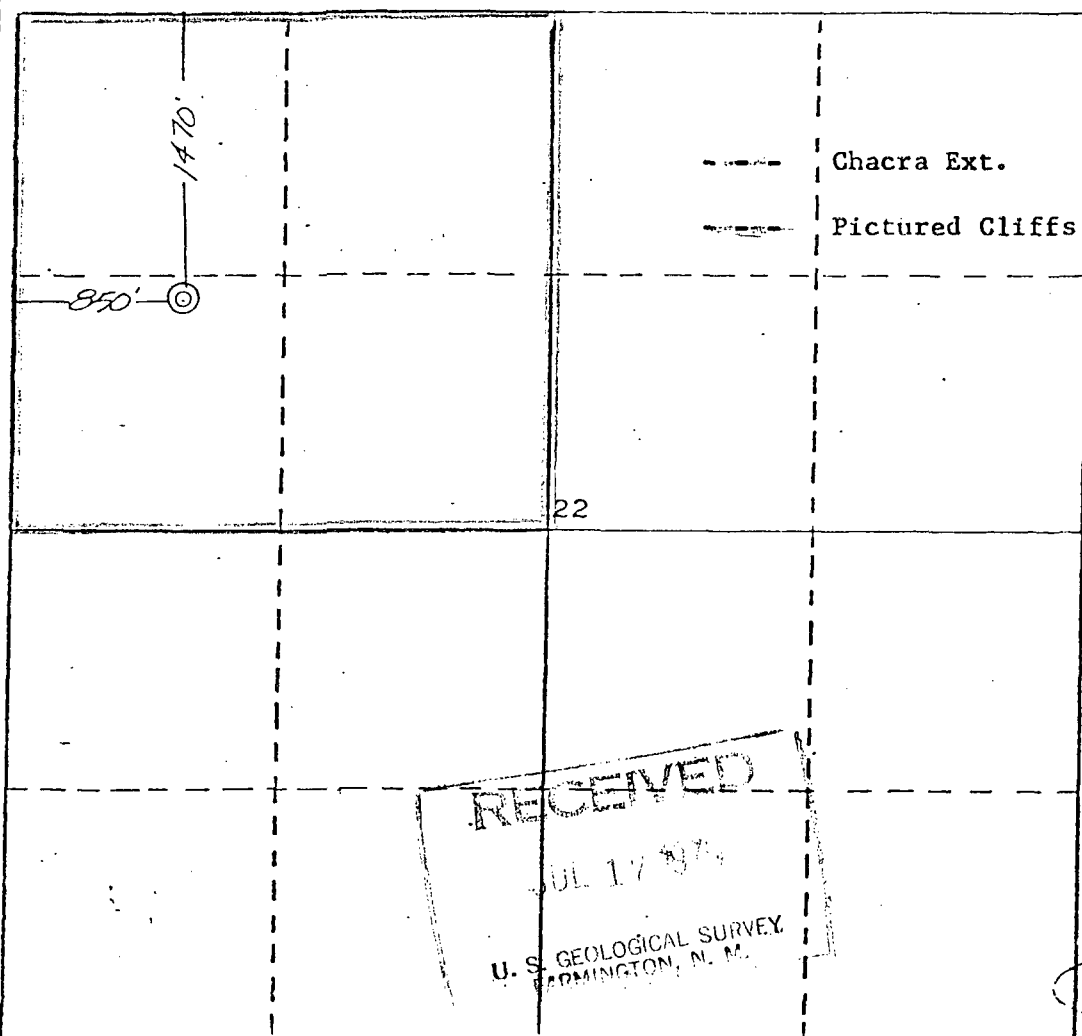
Operator SUPRON ENERGY CORPORATION			Lease ALBRIGHT		Well No. 2-3
Unit Letter E	Section 22	Township 29 NORTH	Range 10 WEST	County SAN JUAN	
Actual Footage Location of Well: 1470 feet from the NORTH line and 850 feet from the WEST line					
Ground Level Elev. 5649	Producing Formation Chacra Ext. Pictured Cliffs		Pool Bloomfield Aztec		Dedicated Acreage: NW 1/4 160

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

Rudy D. Motto

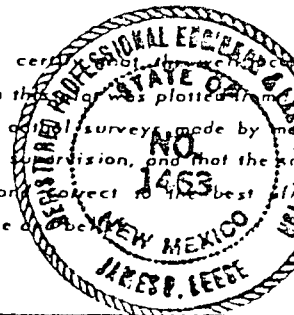
Name
Rudy D. Motto
Position

Area Superintendent

Company
SUPRON ENERGY CORPORATION

Date
July 16, 1979

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



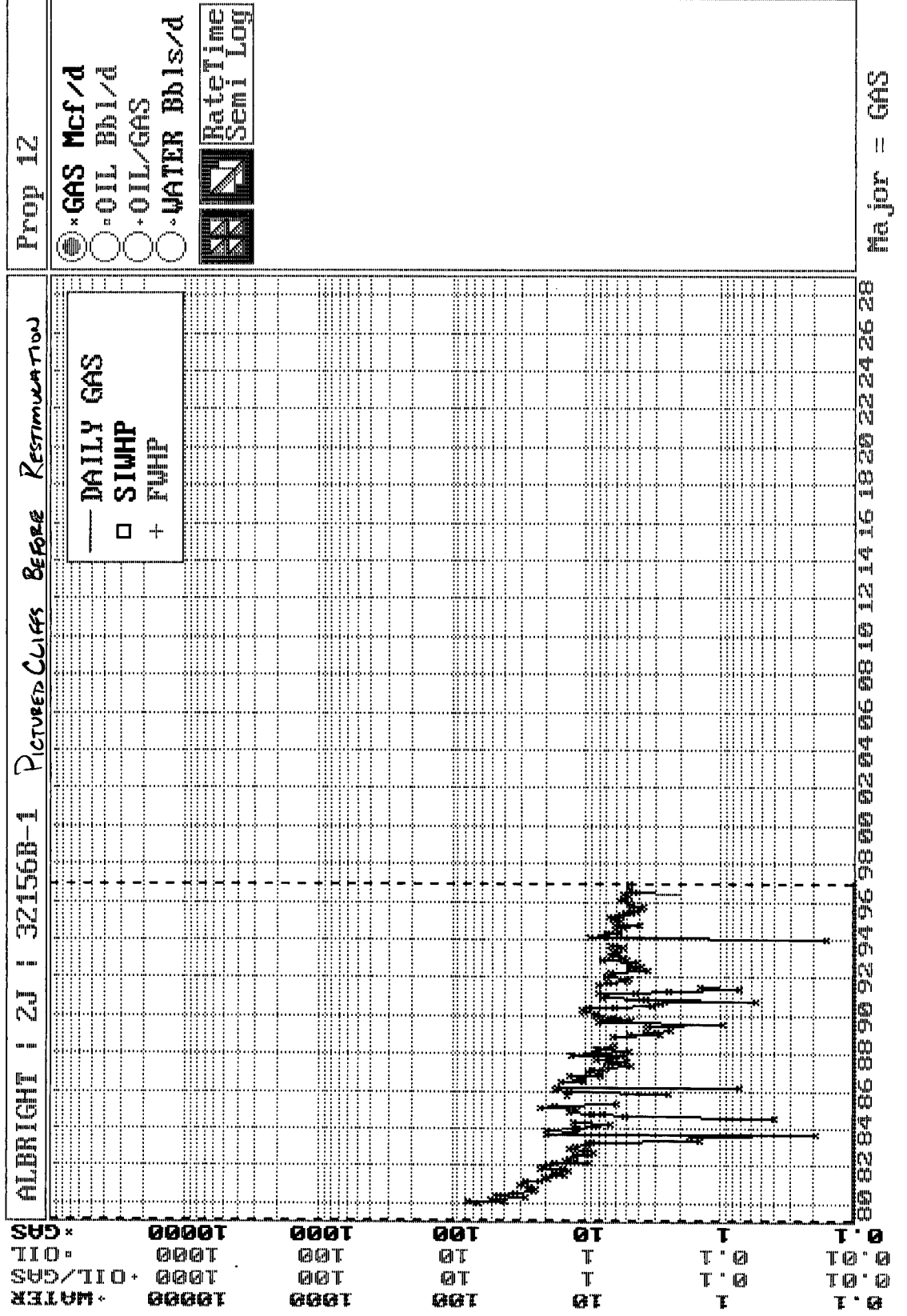
Date Surveyed
12 April 1979

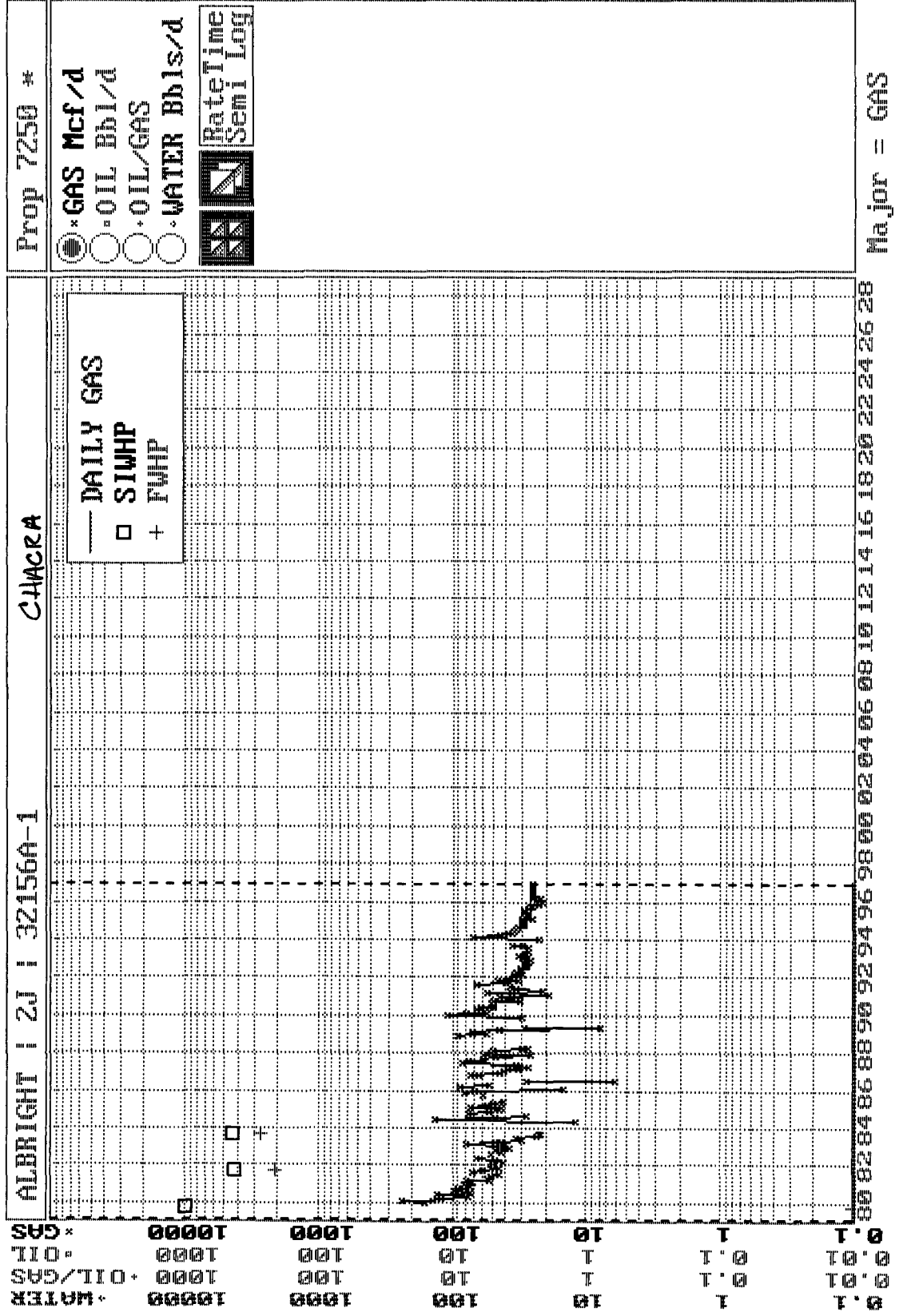
Registered Professional Engineer and/or Land Surveyor

James P. Leese
James P. Leese

Certificate No.
1463

OPERATOR



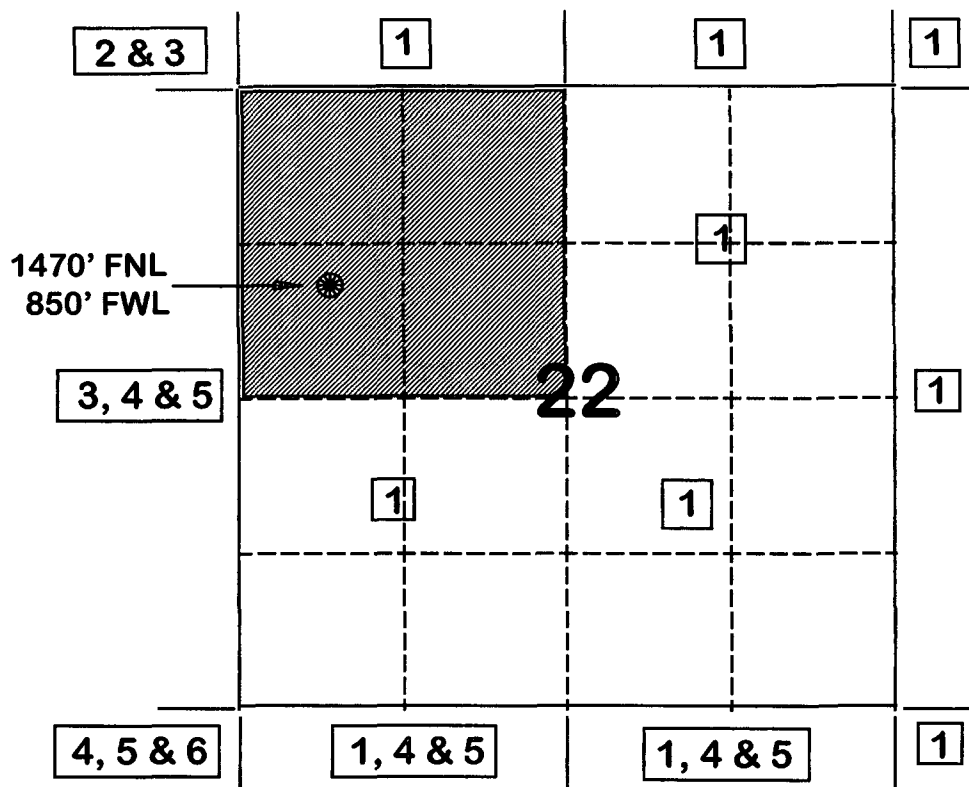


BURLINGTON RESOURCES OIL AND GAS COMPANY

**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	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)	190
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)	1.995
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
S

WELL PRODUCTION 8/8'S VOLUME

02/12/97 18:18:30

DATE: 970210 (YYMMDD FORMAT)

SCROLL FORWARD BY DATE: _

PICTURED CLIFFS

2J

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

ENTER I UNDER SEL FOR MAINTENANCE

PF12=MAIN MENU
B MY JOB

PF6=NRI PF10=BROWSE MENU
ENTER=BACKWARDS
LU #2

PF11=INQ/UPDATE MENU
PF24=HELP

FDG055M4 GF00
START OF DATA
DP NO: 32156a
ALBRIGHT
S

WELL PRODUCTION 8/8'S VOLUME

02/12/97 18:18:55

DATE: 970210 (YYMMDD FORMAT)

SCROLL FORWARD BY DATE: _

CHACRA

2J

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

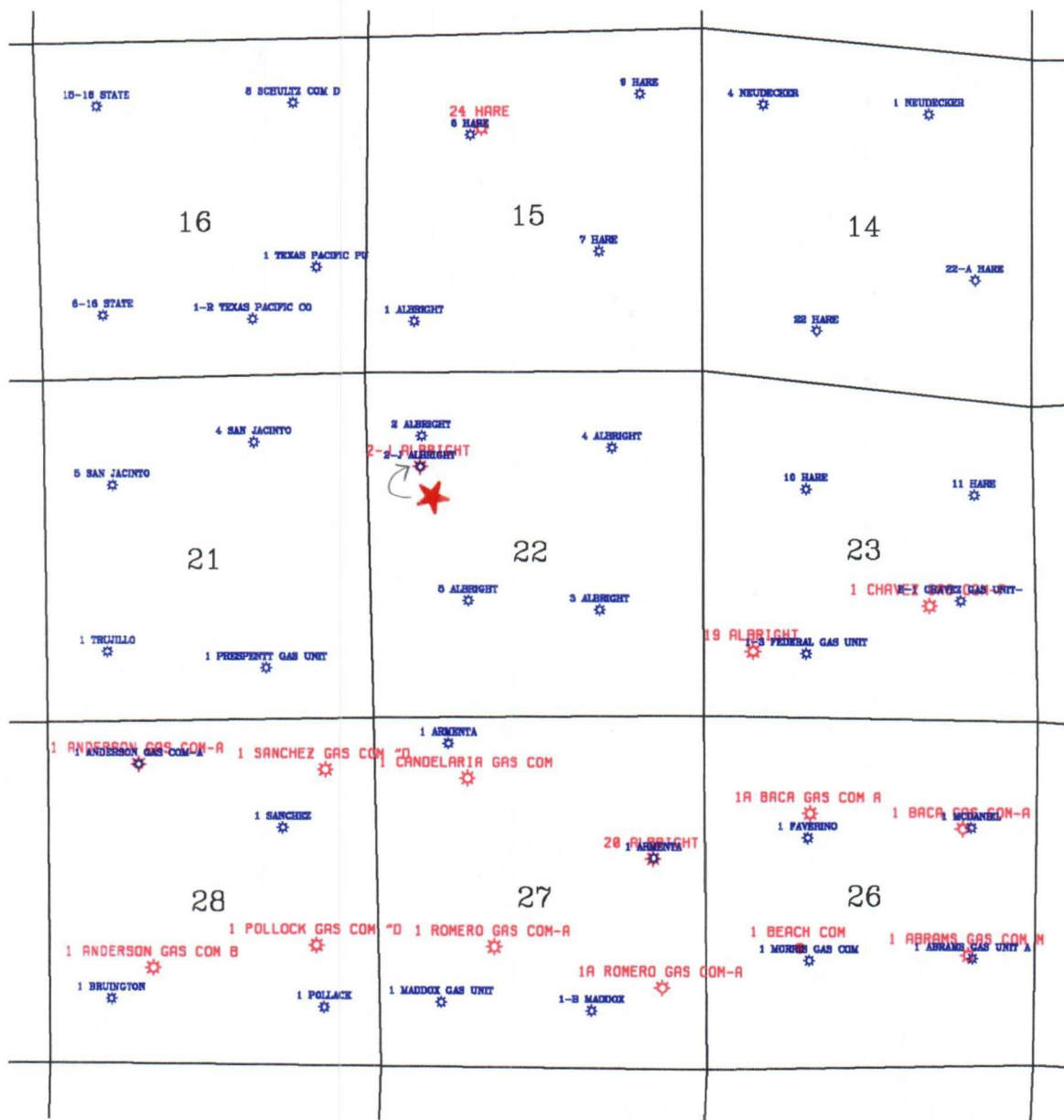
ENTER I UNDER SEL FOR MAINTENANCE

PF12=MAIN MENU
B MY JOB

PF6=NRI PF10=BROWSE MENU
ENTER=BACKWARDS
LU #2

PF11=INQ/UPDATE MENU
PF24=HELP

ALBRIGHT 2J SEC. 22, T29N, R10W



CHACRA WELLS
PICTURED CLIFFS