

Regg 3/16/95

In Reply Refer To: MS 5221

March 16, 1995

Union Oil Company of California
Attention: Mr. Kevin L. Berry
Post Office Box 39200
Lafayette, Louisiana 70593-9200

Gentlemen:

Your letter of March 9, 1995, requests a departure to maintain sustained casinghead pressure on Well A-2, Lease OCS-G 2648, East Breaks Block 161. A departure from the requirements of 30 CFR 250.87 is hereby approved for this well at sustained casinghead pressures of 5 psig on the surface casing and 810 psig on the intermediate casing. Gas-lift pressure on the production casing (840 psig) is exempt from our casing pressure policy dated January 13, 1994.

This departure from 30 CFR 250.87 is granted for a 1-year period, effective as of the date of this letter with the following stipulations:

1. The well must be monitored daily on a manned structure and weekly on an unmanned structure. A record of the well's observed casinghead pressure(s) and subsequent diagnostic tests performed must be made available for Minerals Management Service inspection at the lessee's field office.
2. This departure is invalidated if either of the following occurs:
 - a. Workover operations commence on the subject well.
 - b. Sustained casinghead pressures increase 200 psig or more on the intermediate or production casing, or 100 psig or more on the conductor or surface casing. In this case a subsequent diagnostic test must be performed to reevaluate the well. Results from this diagnostic test must be submitted to this office if either the casing pressure prior to performing the test exceeds 20 percent of the minimum internal yield pressure or the casinghead pressure fails to bleed to zero.
3. The casing(s) should not be bled down during this 1-year period without notifying this office, except during required diagnostic tests performed in accordance with paragraph 2(b) above. Any diagnostic tests conducted on this well should evaluate all annuli exhibiting casing pressure.
4. The Minerals Management Service reserves the right to rescind this departure and require any corrective measures needed to accomplish the intent of 30 CFR 250.87(a) and (d) if wellbore conditions deteriorate, presenting a safety hazard to personnel, the platform or producing formation.

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If there are any questions regarding this departure, please contact Jim Regg at (504) 736-2843.

Sincerely,

(Orig. Sgd.)

Doug McIntosh

Donald C. Howard
Regional Supervisor
Field Operations

bcc: 1101-02(b)(3) Lease OCS-G 2648 (MS 5221)
Lease OCS-G 2648 (MS 5032)
MS 5270

JBRegg:amb:Annual departure:03/16/95

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Sustained Casing Pressure

LEASE: OCS G02648

WELL: A-2

Reviewing Engineer: JBR

AREA/BLOCK: EB 0161

OPERATOR: UNION

District: LJ

CSG:	Csg P (PSIG)	MIYP (PSIG)	20% MIYP (PSIG)	(% of MIYP)	Bled to Press	Hrs Bled	1 Hr PSIG	24 Hr PSIG
COND	0	0	0	**.***%	0	0.0	0	0
SURF	40	1530	306	2.61%	0	0.0	0	0
1 INT	860	3450	690	24.93%	0	0.0	0	0
2 INT	5	7930	1586	0.06%	0	0.0	0	0
PROD	30	8160	1632	0.37%	0	0.0	0	0

WELL STATUS>POW PRODUCTION: 101 BOPD/ 0.697 MMcfpd Fluid Bleed>0

Company Letter Date>02/28/94 Date of MMS Response>03/16/94 FO Decision>A

RMRKS:

SCPEDIT |<I:>|SCP |Record Locked |Rec: 2898/6033 |Ins |NumCaps

Fl2 = MIYP Data... Fl1 = Deactivate MIYP Data... Fl0 = Completion Data !!

Sustained Casing Pressure

LEASE: OCS G02648

WELL: A-2

Reviewing Engineer: JBR

AREA/BLOCK: EB 0161

OPERATOR: UNION

District: LJ

CSG:	Csg P (PSIG)	MIYP (PSIG)	20% MIYP (PSIG)	(% of MIYP)	Bled to Press	Hrs Bled	1 Hr PSIG	24 Hr PSIG
COND	0	0	0	**.***%	0	0.0	0	0
SURF	5	2110	422	0.24%	0	0.3	0	0
1 INT	810	3450	690	23.48%	0	2.0	0	120
2 INT	0	7930	1586	0.00%	0	0.0	0	0
PROD	840	8160	1632	10.29%	0	0.0	0	0

WELL STATUS>POW PRODUCTION: 129 BOPD/ 0.813 MMcfpd Fluid Bleed>G

Company Letter Date>03/09/95 Date of MMS Response>03/16/95 FO Decision>A

RMRKS: PROD CSG: GAS LIFT PRESSURE

SCPEDIT |<I:>|SCP |Record Unlocked|Rec: 2898/6033 |Ins |NumCaps

Fl2 = MIYP Data... Fl1 = Deactivate MIYP Data... Fl0 = Completion Data !!

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Unocal Energy Resources Division
Unocal Corporation
4021-4023 Ambassador Caffery Pkwy.
Lafayette, Louisiana 70503
P. O. Box 39200
Lafayette, Louisiana 70593-9200
Telephone (318) 295-6000



March 9, 1995

Louisiana/Gulf Business Unit

United States Department of the Interior
Minerals Management Services
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394

Attn: Mr. Jim Regg

RE: Sustained Casing Pressure
OCS-G 2648 Well No. A-2
East Breaks 160 Field
Offshore, Texas



Mr. Regg:

Unocal respectfully requests a departure from the requirements of 30 CFR 250.87 on the OCS-G 2648 Well No. A-2 in the East Breaks 160 Field. Attached please find the following on the subject well:

- 1.) MMS Casing Pressure Evaluation Form.
- 2.) Pressure test data.
- 3.) Wellbore schematic.

Although sustained casing pressure is present, we feel that our current daily monitoring system allows Unocal to operate safely within the current mechanical design limits of the subject well.

Should further information be required, please contact the undersigned at (318) 295-6919.

Sincerely,

Union Oil Company of California

Kevin L. Berry
Senior Production Engineer

Attachments



U.S. DEPARTMENT OF THE INTERIOR

**INFORMATION NEEDED FOR EVALUATING
SUSTAINED CASING PRESSURE DEPARTURE REQUESTS**

WELL DATA

DATE: 3/6/85
BOTTOM-HOLE LOCATION - LEASE OCS-G: 2643 AREA: EAST BREAKS
BLOCK: 160 PLATFORM: "A" WELL NO.: A-1
DATE COMPLETED: 11/1/85 MILES TO SHORE: 85

WELL STATUS

PRODUCING	GAS LIFT	INJECTION WELL	SHUT-IN	TEMP. ABANDONED
PRESENT PRODUCTION:		BOPD		BWPD
813	MCF/D	700	FTP	SITP
			118	
			850	

FACILITY: MANNED UNMANNED SATELLITE

NO. OF PRODUCIBLE WELLS ON FACILITY: 13

CASING DATA

CASING STRING	SIZE	WEIGHT	GRADE	PUBLISHED M.L.Y.P.	CASING PRESSURE	PERCENT OF BURST
PRODUCTION	7"	29#	N-80	8160	840	10.4 (Gaslift)
INTERMEDIATE	9-5/8"	53.5#	N-80	7930	0	0.0
INTERMEDIATE	13-3/8"	68#	S-80	3450	810	23.5
SURFACE	20"	94#	J-55	2110	5	0.2
DRIVE	26"	5/8" W.T.	N/A	N/A	N/A	N/A

COMMENTS (NOT REQUIRED FOR VERY LOW PRESSURE)

1. DID TUBING AND/OR ADJACENT CASING PRESSURES CHANGE SIGNIFICANTLY
DURING BLEEDOFF OR BUILDUP? NO

2. ORIGIN OF PRESSURE, IF KNOWN UNKNOWN

3. STATE ANY KNOWN CASING DAMAGE OR WEAR UNKNOWN

4. CAN A SUBSURFACE SAFETY VALVE BE SET BELOW THE LEAK?
IF YES, STATE WHERE. N/A

5. REMARKS JUSTIFYING DEPARTURE PRESSURES ARE WITHIN SAFE
OPERATING LIMITS

OBTAIN SCHEMATIC FROM LEASE

IS PRESSURE THERMALLY INDUCED? SHOW DATA ON ATTACHMENTS (EITHER
PRESSURE DECLINES TO NEAR ZERO WHILE SHUT IN OR BLEED 20 PERCENT
WITH A 24 HOUR RECORDING OF ESSENTIALLY STABLE PRESSURE)

EAST BREAKS 160 WELL NO. A-2

SUSTAINED CASING HEAD PRESSURE REPORT

<u>DATE</u>	<u>TIME</u>	<u>CASING</u> <u>20"</u>	<u>CASING</u> <u>13-3/8"</u>	<u>CASING</u> <u>9-5/8"</u>	<u>CASING</u> <u>7"</u>	<u>TUBING</u> <u>2-7/8"</u>	<u>REMARKS</u>
3/6/95	0945	5	810	0	840	700	STARTED BLEEDING 20". DRY GAS.
	1000	0	810	0	840	700	20" AT ZERO. STARTED BLEEDING 13-3/8".
	1005	0	400	0	840	700	TRACE OF FLUID.
	1015	0	300	0	840	700	
	1030	0	140	0	840	700	TRACE OF OIL.
	1045	0	80	0	840	700	
	1100	0	<1	0	840	700	DRY GAS.
	1115	0	<1	0	840	700	DRY GAS.
	1130	0	<1	0	840	700	DRY GAS.
	1145	0	0	0	840	700	13-3/8" AT ZERO. 9-5/8" AT ZERO.
							7" ON GASLIFT
	1200	0	0	0	840	700	BEGAN 24 HR. BUILD-UP.
	1215	0	0	0	840	700	
	1230	0	0	0	840	700	
	1245	0	0	0	840	700	
	1300	0	10	0	840	700	
	1330	0	10	0	840	700	
	1400	0	20	0	840	700	
	1500	0	40	0	840	700	
	1600	0	50	0	840	700	
	1700	0	60	0	840	700	
	1800	0	70	0	840	700	
	1900	0	70	0	840	700	
	2000	0	75	0	840	700	
	2100	0	80	0	840	700	
	2200	0	80	0	840	700	
	2300	0	80	0	840	700	
3/7/95	0000	0	80	0	840	700	
	0100	0	80	0	840	700	
	0200	0	85	0	840	700	
	0300	0	85	0	840	700	
	0400	0	85	0	840	700	
	0500	0	90	0	840	700	
	0600	0	100	0	840	700	
	0700	0	100	0	840	700	
	0800	0	105	0	840	700	
	0900	0	105	0	840	700	
	1000	0	110	0	840	700	
	1100	0	120	0	840	700	
	1200	0	120	0	840	700	BUILD-UP COMPLETE.

ELEVATIONS:

TBG HEAD 49.66'

CSG HEAD 50.80'

RKB 116'

WD 935' MSL

GAS LIFT:2-7/8" MACCO KBMG GLM W/ CM1-BK
GLV & 2-BK LATCHES

1988'

3240'

4164'

5340'

2-7/8" MACCO KBMG GLM W/ DK DUMMY

6681'

PERFORATIONS:

PRODUCTION 7596'-7623'

ISOLATED 9712'-9790'

ANNULAR FLUID:

15.1 PPG CaZnBr FLUID

SQUEEZED 11028'-11030'

SQUEEZED 11032'-11120'

TUBING:

2-7/8" 6.5#/FT & 2-3/8" 4.7#/FT N-80

CS-CB INTERNALLY COATED

1336' 26" DRIVE PIPE

1642' 2-7/8" CAMCO SCSSV TYPE TRDP-

1A-SSA W/6' FC's ABV&BLW 2.313" ID

2450' 20" 133# 106.5# 94# J-55

4609' 2-7/8" R NIPPLE W/6' FLOW COUP-

LINGS ABOVE AND BELOW 2.188" ID

4724' 13-3/8" 68# S-80 & N-80

7451' 2-7/8" R NIPPLE W/6' FLOW COUP-

LINGS ABOVE AND BELOW 2.188" ID

7491' COMP SET II GP PACKER

3-1/2" 8 GAUGE SCREEN LINER

PACKED W/ 40-60 SAND

7640' TOP OF SAND PLUG

7643' ISOL PKR (TDT-M) W/ ISOL PLUG

7679' 7" TOL (TIED BACK TO SURFACE)

7983' 9-5/8" 53.5# N-80 LT&C

9489' GRAVEL PACK PACKER

9804' SUMP PACKER

10300' TOP OF CEMENT

10302' 7" EZSV

10368' 5" TOP OF LINER

10525' 7" 29# N-80 LT&C LINER

10873' TOP OF JUNK

11134' SUMP PACKER

11350' FLOAT COLLAR

11400' 5" 18#/FT S-95 LT&C LINER

11700' TD

7730' TVD

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INIT	DATE	PRESENT COMPLETION OCS-G 2648 WELL NO. A-2 EAST BREAKS 160 OFFSHORE, TEXAS LOUISIANA/GULF BUSINESS UNIT - WEST CENTRAL GULF	DRAWN: NTR APP'D: SCALE: NTS DATE: 5/25/94 FILE: EB160A2
WFB	3/20/94		