

2/20/03	3/12/03	ENGINEER W V J	LOGGED IN KW	TYPE NSP	PKRVO305135145
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [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 - Simultaneous Dedication
☐ NSL ☒ NSP ☐ SD

Check One Only for [B] or [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

[D] Other: Specify _____

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Oil Conservation Division

[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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce
 Print or Type Name

Signature

Attorney for Applicant

Title

jamesbruc@aol.com

e-mail Address

Date

2/20/03

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (PHONE)
(505) 982-2151 (FAX)

jamesbruc@aol.com

February 20, 2003

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Oil Conservation Division

Hand Delivered

Michael E. Stogner
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

(30-025-26066)

Dear Mr. Stogner:

Pursuant to Division Order No. R-8170-P, Arch Petroleum Inc. ("Arch") applies for a 160 acre non-standard gas spacing and proration unit in the Jalmat Gas Pool for the following well:

<u>Well:</u>	C.E. Lamunyon Well No. 46
<u>Location:</u>	1780 feet FSL & 1880 feet FWL
<u>Well Unit:</u>	SW¼ S22, Township 23 South, Range 37 East, NMPM, Lea County, New Mexico

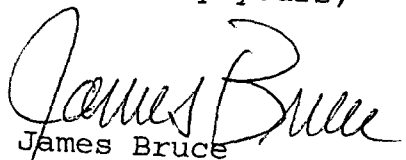
A standard well unit in the Jalmat Gas Pool is 640 acres.

The well was originally completed in the North Teague-Devonian Pool, and subsequently completed in the Imperial Tubb-Drinkard Pool. See Exhibit A. Arch plans to recomplete the well uphole in the Seven Rivers and Queen formations. Therefore, it will be completed in both the (Undesignated) Jalmat Gas Pool and the (Designated) Langlie-Mattix Pool. (The well unit in the Langlie-Mattix Pool will be the NE¼SW¼ of Section 22.)

Exhibit B outlines (in blue) the C.E. Lamunyon lease (Federal Lease LC 030187), which covers (among other acreage) the NW¼ and S½ of Section 22. Arch is the sole working interest owner in that lease. The only affected offsetting acreage is the NE¼ of Section 22. Pursuant to Order No. R-8170-P, all working interest owners in the NE¼ of Section 22 have been notified of this application. A copy of the notice letter is attached hereto as Exhibit C.

Please call me if you need anything further regarding this matter.

Very truly yours,

A handwritten signature in cursive script, appearing to read "James Bruce".

James Bruce

Attorney for Arch Petroleum Inc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR						3. ADDRESS OF OPERATOR	
Gulf Oil Corporation						Box 670, Hobbs, N.M. 88240	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						At surface 1780' FSL and 1880' FWL	
At top prod. interval reported below						At total depth	
14. PERMIT NO.						DATE ISSUED	
15. DATE SPUDDED						16. DATE T.D. REACHED	
10-19-78						11-4-78	
17. DATE COMPL. (Ready to prod.)						18. ELEVATIONS (DF, REB, RT, GR, ETC.)*	
11-14-78						3284' GL	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
7600'		7558'		Single		0-7600'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
7221 - 7369' - Devonian						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
Gamma Ray, Compensated Neutron-Compensated Density, Dual Laterolog						No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24#		1095'		12-1/4"	
5-1/2"		15.5 & 17#		7600'		7-7/8"	
						500 sacks - circulated	
						1900 sacks - circulated	
						DV Tool at 2883"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
						SCREEN (MD)	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-7/8"		7160'		7161'			
31. PERFORATION RECORD (Interval, size and number)							
7221-24', 7269-72', 7315-18', & 7366-69' with 2, 1/2" Burrless jet holes per foot							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
7221-7369'				1260 gallons 15% NE HCL acid			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-14-78		Flowing				Producing	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
11-15-78		24		24/64"		OIL—BBL. 281	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL. 281	
300		-		-		GAS—MCF. -	
						WATER—BBL. 29	
						OIL GRAVITY-API (CORR.) 35.7	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
Sold						E. L. Allen	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		N. P. Sikes, Jr.				TITLE	
						Area Engineer	
						DATE	
						11-17-78	

*(See Instructions and Spaces for Additional Data on Reverse Side)



**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

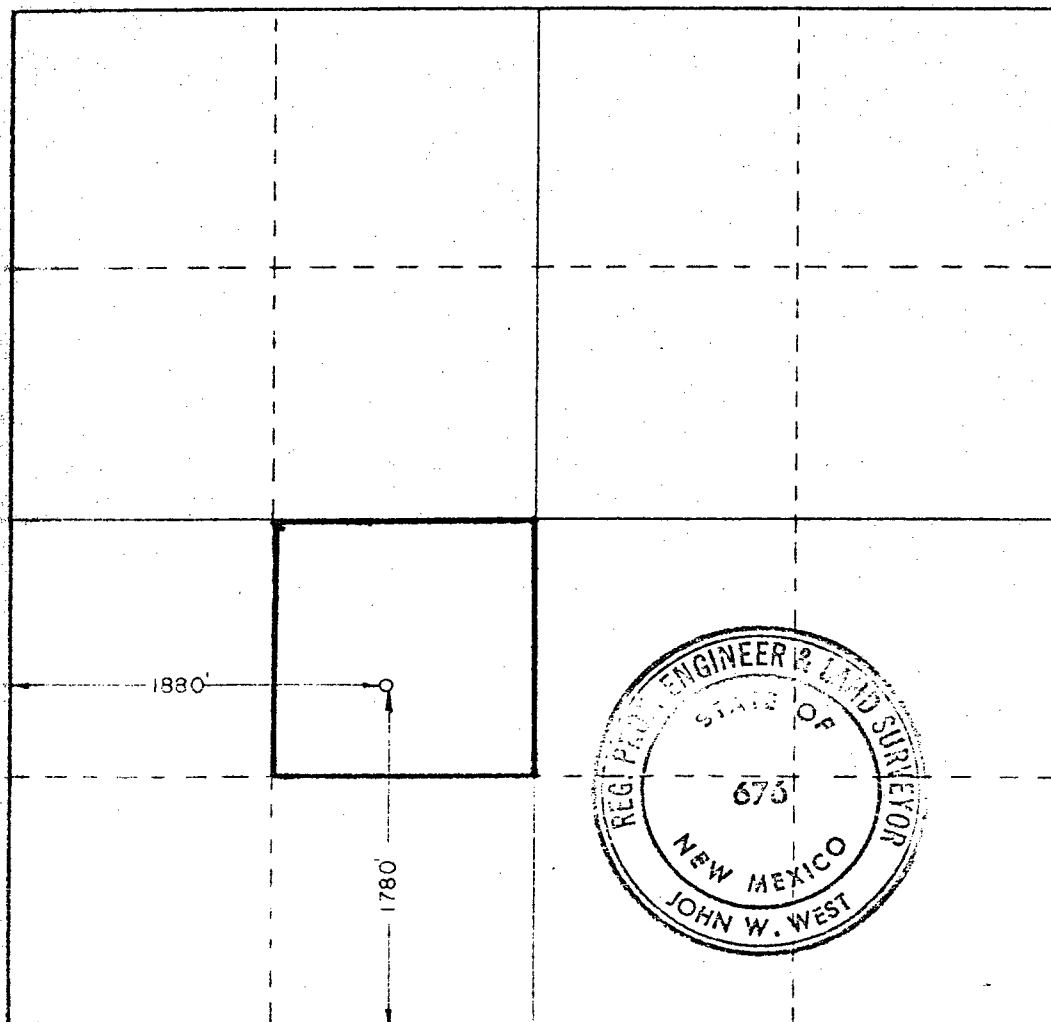
Operator Gulf Oil Corp.			Lease C. E. La Munyon		Well No. 46
Unit Letter K	Section 22	Township 23 South	Range 37 East	County Lea	
Actual Footage Location of Well: 1780 feet from the South line and 1880 feet from the West line					
Ground Surface Elev. 3284.5	Producing Formation Devonian		Pool North Teague Devonian		Dedicated Acreage 40 Acres

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 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.

C. D. Borland

Name
C. D. BORLAND

Position
Area Production Manager

Company
GULF OIL CORPORATION

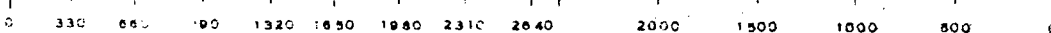
Date
June 26, 1978

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
Sept. 9, 1977

Registered Professional Engineer and/or Land Surveyor
John W. West

Certificate No. **675**



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input checked="" type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR GULF OIL CORPORATION						5. LEASE DESIGNATION AND SERIAL NO. LC-030187	
3. ADDRESS OF OPERATOR P.O. Box 670, Hobbs, NM 88240						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations) At surface 1780' FSL & 1880' FWL At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME	
14. PERMIT NO.						DATE ISSUED	
15. DATE SPUDDED 10-19-78						16. DATE T.D. REACHED 11-4-78	
17. DATE COMPL. (Ready to prod.) 8-7-79						18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3824' GL	
20. TOTAL DEPTH, MD & TVD 7600'						21. PLUG, BACK T.D., MD & TVD 6688'	
22. IF MULTIPLE COMPL., HOW MANY* Single						23. INTERVALS DRILLED BY ROTARY TOOLS 0-7600'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6389' - 6625' Tubb Drinkard						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN None						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24#		1095'		12 1/4"	
5 1/2"		15.5# & 17#		7600'		7-7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-7/8"		6387'					
31. PERFORATION RECORD (Interval, size and number)							
6389-93'; 6420-24'; 6446-50'; 6491-95'; 6583-87'; & 6621-25' w/(2) 1/2" burrless, zero-phased JHPF (48 holes)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
6389-6625'				1800 gal 15% NE inhbd, iron-stblzd HCl; 200 gal frac pad, 32,300 gal frac w/24,220# sd, 3,000 gal 15% NEFE acid & 49 RCN			
33. PRODUCTION							
DATE FIRST PRODUCTION 8-7-79		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump				WELL STATUS (Producing or shut-in) Prod.	
DATE OF TEST 8-30-79		HOURS TESTED 24		CHOKE SIZE -		PROD'N. FOR TEST PERIOD 52	
FLOW, TUBING PRESS. 50#		CASING PRESSURE 50#		CALCULATED 24-HOUR RATE 52		OIL—BBL. 132	
						GAS—MCF. 9	
						WATER—BBL. 2538	
						OIL GRAVITY-API (CORR.) 36.9°	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED N. B. Sikes, Jr.		TITLE Area Engineer				DATE 9-7-79	

*(See Instructions and Spaces for Additional Data on Reverse Side)

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-192
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Gulf Oil Corp.			Lease C. E. La Munyon		Well No. 46
Section Letter K	Section 22	Township 23 South	Range 37 East	County Lea	
Actual Footage Location of Well:					
1780	feet from the South line and	1880	feet from the West line		
Ground Level Elev. 3284.5	Producing Formation Drinkard	Pool FEDERAL TUBB-DRINKARD UNDESIGNATED	Dedicated Acreage: 40 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?

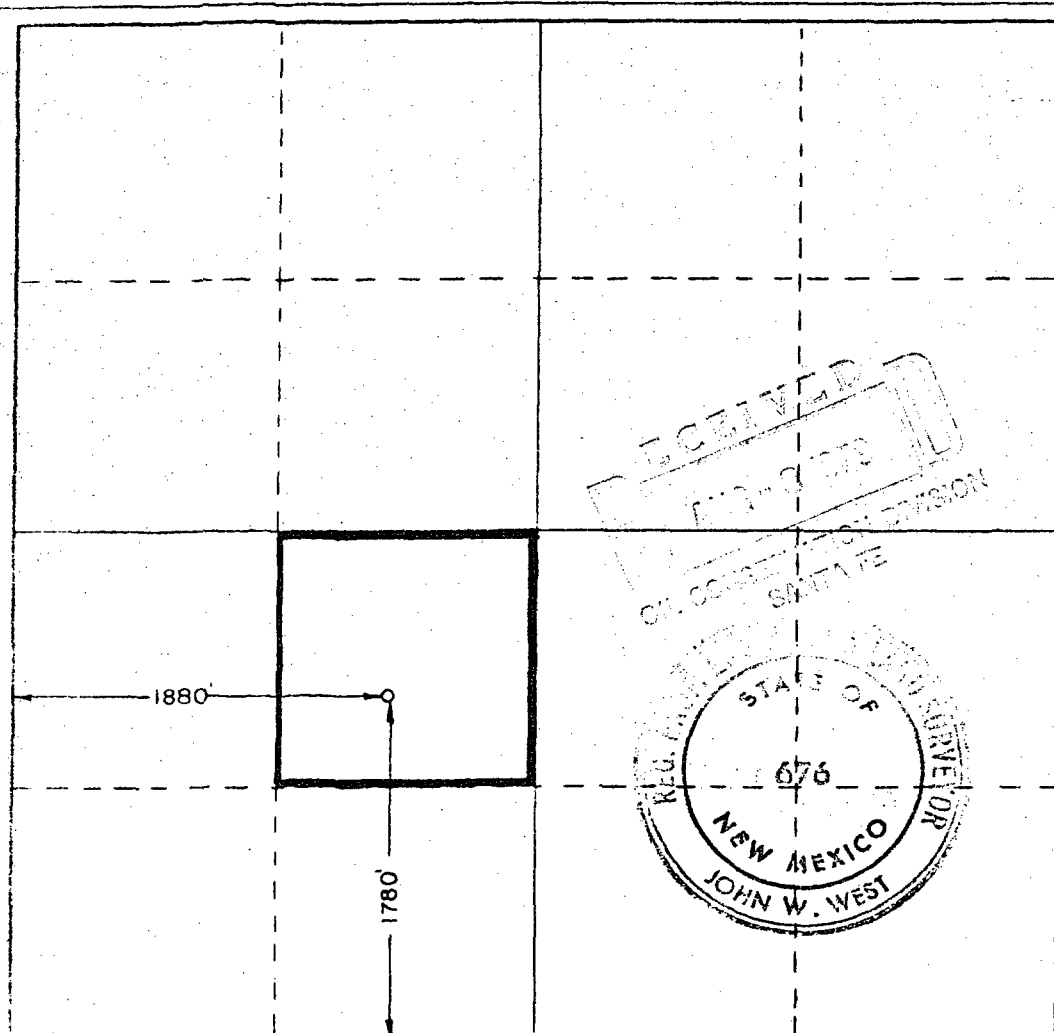
☐ Yes ☐ No If answer is "yes," type of consolidation _____

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

No allowable well 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.

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JUL 25 1979

U.S. GEOLOGICAL SURVEY
HOBBES, NEW MEXICO



CERTIFICATION

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

Glyn Stone

Name

Glyn Stone

Position

Area Engineer

Company

Gulf Oil Corporation

Date

7-24-79

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

Sept. 9, 1977

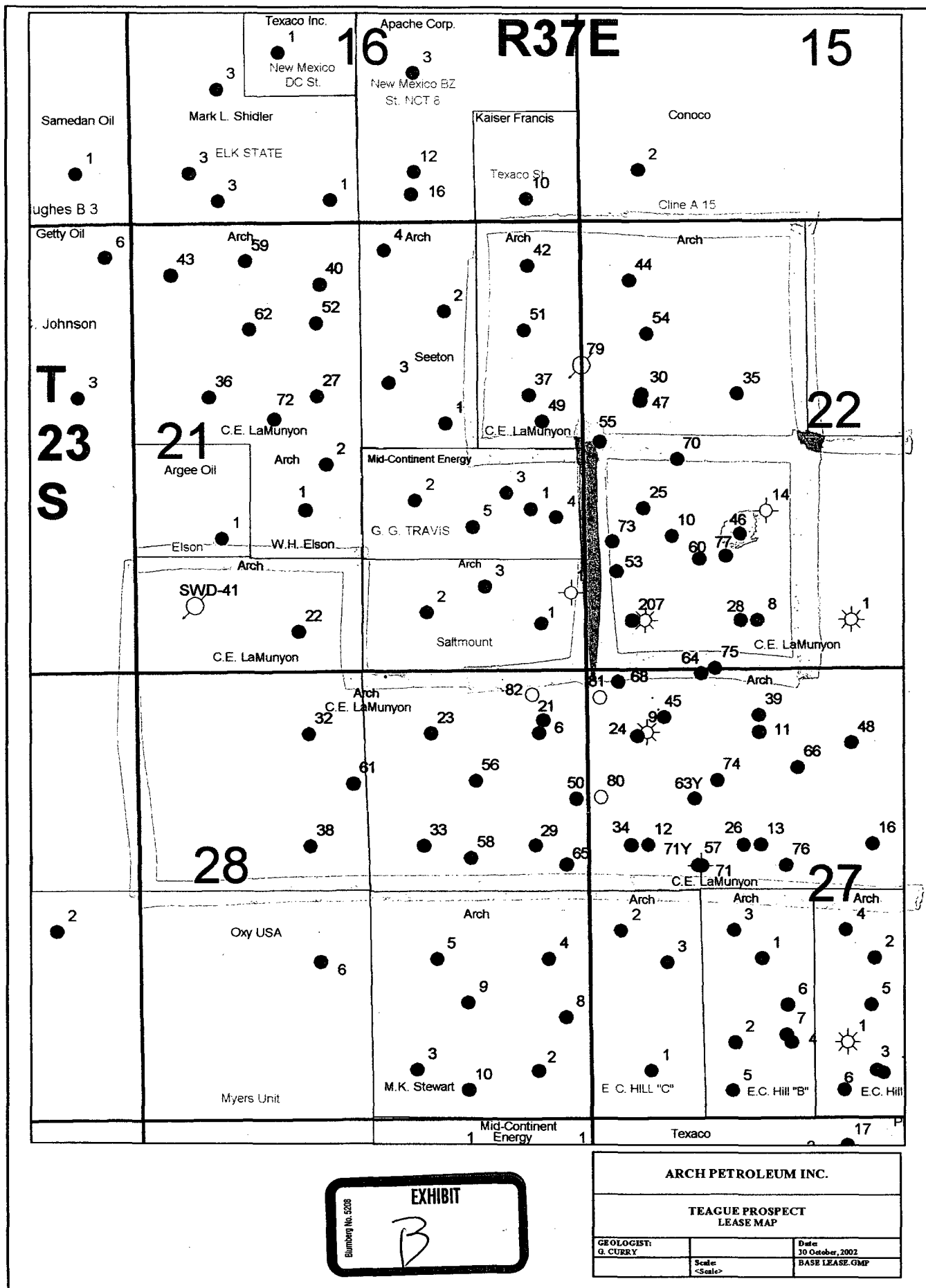
Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No.

676

530 660 90 1320 1680 1880 2310 2640 2000 1800 1000 800 0



JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (PHONE)
(505) 982-2151 (FAX)

jamesbruc@aol.com

February 20, 2003

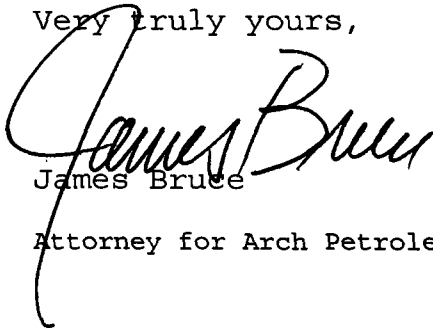
CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and Gentlemen:

Enclosed is a copy of an application for administrative approval of a non-standard gas spacing unit, filed with the New Mexico Oil Conservation Division by Arch Petroleum Inc., regarding the C.E. Lamunyon Well No. 46 and the SW¼ of Section 22, Township 23 South, Range 37 East, N.M.P.M., Lea County, New Mexico. If you object to the non-standard unit, you must notify the Division, in writing, no later than Wednesday, March 12, 2003 (1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,



James Bruce

Attorney for Arch Petroleum Inc.



EXHIBIT A

Apache Corporation
Suite 100
2000 Post Oak Boulevard
Houston, Texas 77056

Attention: Mario R. Moreno, Jr.

Bellwether Exploration Company
Suite 1600
1221 Lamar
Houston, Texas 77010

BP America Inc.
501 WestLake Park Boulevard
Houston, Texas 77079

Cameron Oil & Gas
P.O. Box 1455
Roswell, New Mexico 88202

ChevronTexaco Inc.
P.O. Box 1150
Midland, Texas 79702

Conoco Phillips Inc.
Suite 100W
10 Desta Drive
Midland, Texas 79705

Pure Energy Group, Inc.
Suite 1925
700 North St. Mary's Street
San Antonio, Texas 78205