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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

1b. Type of Well — DRILL [X] DEEPEN [ ] PLUG BACK [ ]
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. Name of Operator
Laguna Petroleum Corporation

3. Address of Operator
300 Energy Square, P.O. Drawer 2758 Midland, Texas 79702-2758

4. Location of Well
UNIT LETTER K LOCATED 1980 FEET FROM THE FNL LINE
AND 1980 FEET FROM THE FWL LINE OF SEC. 9 TWP. 17 RGE. 31-E NMPM

5A. Indicate Type of Lease — STATE [X] FEE [ ]

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
~~State~~ Moon State

9. Well No.
1

10. Field and Pool, or Wildcat
UNDESIGNATED Wildcat

12. County
Chaves

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
4700'	San Andres	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4345.8	one well plug bond	Sierra Drilling	1/30/82

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24#	1850'	800 sxs	circulate
7 7/8	4 1/2	11.6#	4800'	650 sxs	1800'

1. Spud 12 1/4" hole, drill to 1850' run 8 5/8" csg, cement with 600 sxs of Halliburton lite, containing 6# salt per sx, 5# Gilsonite per sx, follow w/200 sxs Class C containing 2% Calcuim Choride 100% excess designed to circulate, WOC 18 hrs, test csg to 1000# for 30 min.
2. Drill 7 7/8" hole to 4700', run 4 1/2 csg to TD, cement w/350 sxs Halliburton lite containing 6# salt per sx, 5# Gilsonite per sx, follow w/300 sxs Class C 50-50 Poz mix "A" containing 2% gel, 3/10% Halad 4, 3/10% CFR-2, 6# salt per sx, 1/4# Flocele per sx, cement designed to tie in to 8 5/8 csg w/50% excess, test 4 1/2 csg to 1500# for 30 mins.
3. Complete San Andres, treat, acid as needed. (BOP Diagram attached)

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 7/27/82
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed E.B. Pruitt Title Drilling Manager Date 12/29/81

(This space for State Use)

APPROVED BY Orig. Signed by Les Clements Oil & Gas Insp. TITLE DATE JAN 27 1982

CONDITIONS OF APPROVAL, IF ANY:

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	Lease	Well No.
Laguna Petroleum Co.	Moon State	1

Unit Letter	Section	Township	Range	County
F	9	7 South	31 East	Chaves

Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
4345.8'	San Andres		40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

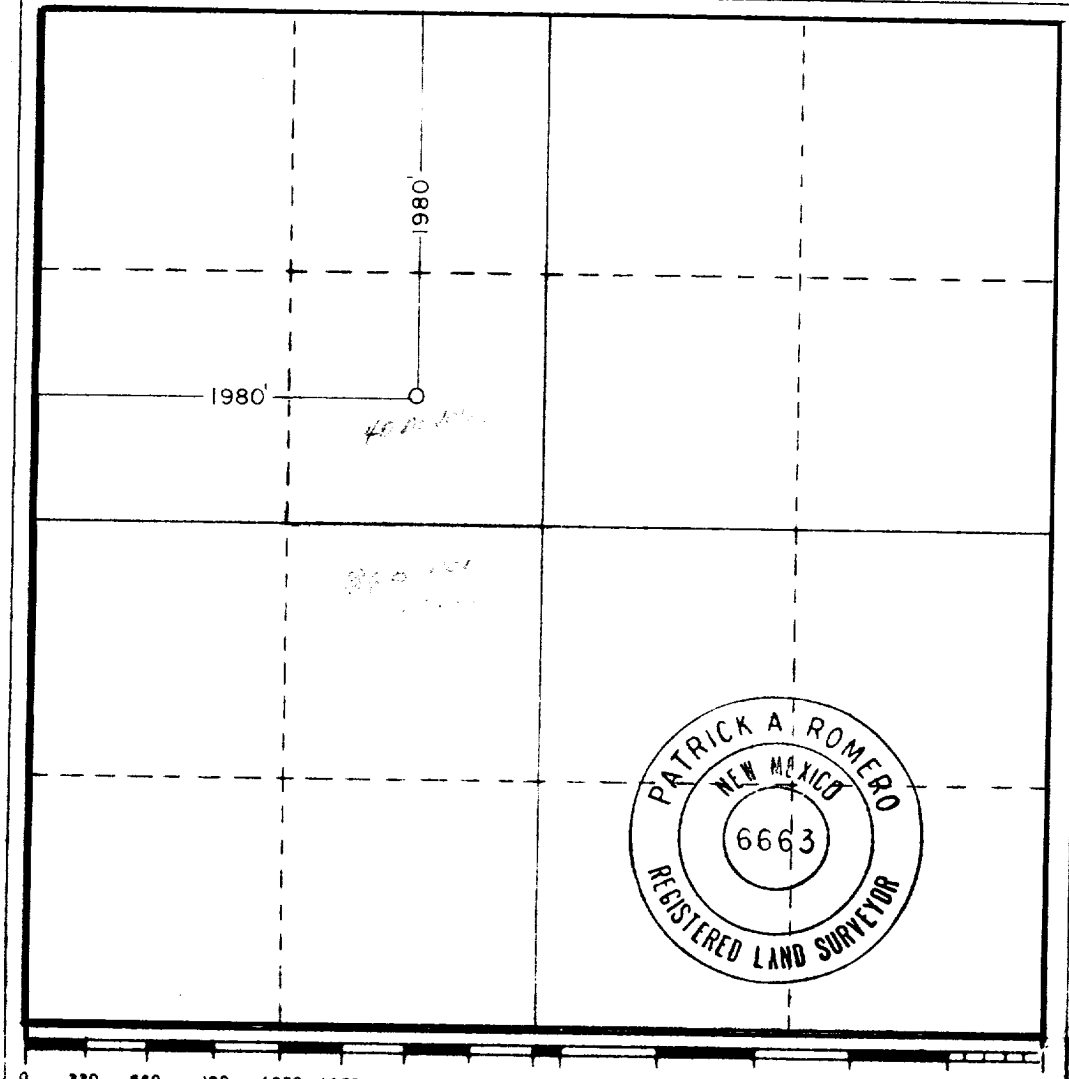
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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. (Use reverse side of this form if necessary.) Laguna Petroleum Corporation

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.

E.B. Pruitt

Name: E.B. Pruitt

Position: Drilling Manager

Company: Laguna Petroleum Corporation

Date: 12/29/81

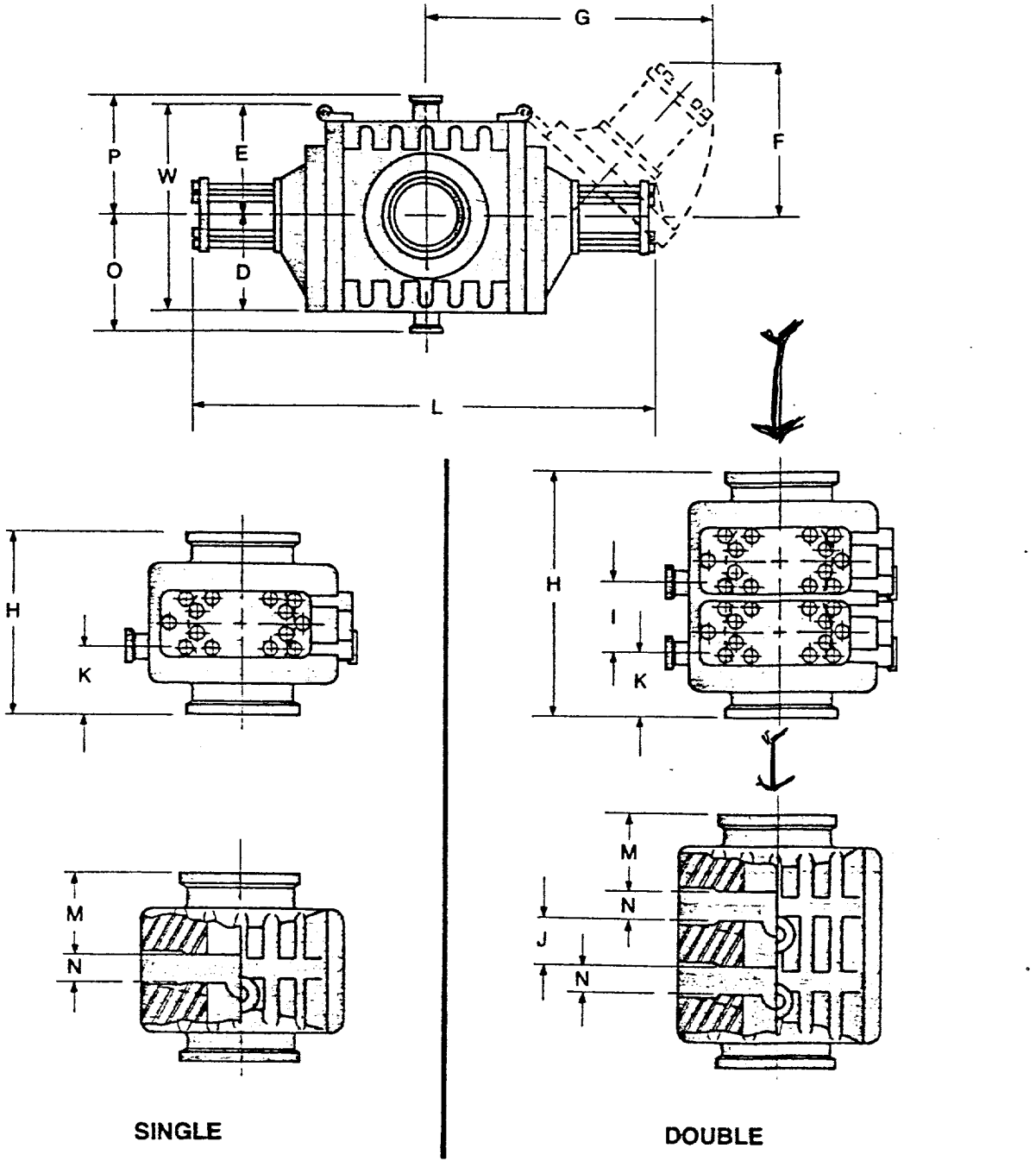
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: Dec. 17, 1981

Registered Professional Engineer and/or Land Surveyor

Patrick A. Romero

Certificate No JOHN W. WEST 676
PATRICK A. ROMERO 6663
Ronald J. Eidson 3239



B.O.P. Equipment

A. One (1) 11" 3000# W.P. Shaffer Type "LWS" hydraulic operated double B.O.P.

B. One (1) 5000# W.P. choke and kill manifold - Shaffer equipment for standard service
NOTE: Double ran B.O.P.'s have internal H_2S trim

C. One (1) 90-11S Melco closing unit, 90 gal., complete with accumulators and remote control units

CAPACITIES AND DIMENSIONS

MODEL LWS POSLOCK AND MANUAL-LOCK SPECIFICATIONS

Working Pressure (psi)			10,000		5,000				3,000				2,000		
Bore (in.)			7 1/16	4 1/16	11	9	7 1/16	4 1/16	20 3/4			11	21 1/4		
Model			LWS	LWS	LWS	LWS	LWS	LWS	LWS			LWS	LWS		
Piston Size (in.)			14	6	8 1/2	8 1/2	6 1/2	6	10	14	8 1/2	6 1/2	10	14	8 1/2
Poslock	L (Length, in.)		....	....	....	....	....	....	117 1/4	132 1/4	....	....	117 1/4	132 1/4	....
	F (in.)		....	....	....	....	....	....	41 1/8	48	....	....	41 1/8	48	....
	G (in.)		....	....	....	....	....	....	67 1/8	73 1/8	....	....	67 1/8	75 1/4	....
Manual-Lock	L (Length, in.)		74 3/4	42 1/4	89 1/4	78 1/8	58 1/4	42 1/4	....	....	127 1/2	72 1/4	....	....	127 1/2
	F (in.)		26 3/4	14 1/4	29 3/4	27 1/16	20 3/4	14 1/8	....	....	42	23 11/16	....	....	42
	G (in.)		43 3/4	23 5/16	46 9/16	46 9/16	32 1/2	23 5/16	....	....	67 3/8	39 27/32	....	....	67
W (Width, in.)			30 7/8	15 11/16	28 3/4	21 3/8	21 7/16	15 11/16	41 1/4	41 1/4	41 1/4	25 7/8	41 1/4	41 1/4	41 1/4
H (Height, in.)	Single:	Studded	23 1/4	15 3/4	19 1/2	14 1/2	15	15 3/4	23 1/8	23 1/8	23 1/8	14 1/2	23 1/8	23 1/8	23 1/8
		Flanged	39 7/8	20 3/4	37	30 1/8	26 1/4	20 3/4	41 1/8	41 1/8	41 1/8	27 1/8	37 3/8	37 3/8	37 3/8
		Hubbed	....	....	30 1/16	22	....	....	35 5/16	35 5/16	35 5/16	22	34 1/8	34 1/8	34 1/8
	Double:	Studded	43 1/2	....	33	29 1/2	26 3/4	....	49 1/4	49 1/4	49 1/4	29 7/8	49 1/4	49 1/4	49 1/4
		Flanged	59 5/8	....	50 1/2	45 7/16	40	....	67 3/4	67 3/4	67 3/4	42	63 1/4	63 1/4	63 1/4
		Hubbed	....	....	43 1/16	37 7/16	....	....	62	62	62	36 1/8	60 3/4	60 3/4	60 3/4
	Triple:	Flanged	....	....	....	....	....	....	....	....	....	....	....	....	....
		Hubbed	....	....	....	....	....	....	....	....	....	....	....	....	....
D (in.)			13 3/8	6 7/16	12 3/8	9 5/16	9 1/4	6 7/16	17 1/8	17 1/8	17 1/8	11 1/2	17 1/8	17 1/8	17 1/8
E (in.)			17 1/2	9 1/4	16 1/4	12 1/16	12 5/16	9 1/4	23 1/4	23 1/4	23 1/4	14 1/4	23 1/4	23 1/4	23 1/4
I (in.)			21 1/4	....	15 1/2	15 1/4	11 3/4	....	26 1/2	26 1/2	26 1/2	14	26 1/4	26 1/4	26 1/4
J (in.)			17 1/4	....	11	10 1/2	7 1/4	....	20 1/4	20 1/4	20 1/4	9 1/2	20 1/4	20 1/4	20 1/4
K (in.)	Single:	Studded	7 1/4	....	5 1/2	3 1/4	3 3/4	....	6	6	6	3 7/8	6	6	6
		Flanged	15 5/16	....	14 1/4	11 1/16	10 3/8	....	15 1/4	15 1/4	15 1/4	10 1/16	13 1/16	13 1/16	13 1/16
		Hubbed	....	....	10 25/32	7	....	....	....	....	....	7 1/8	11 1/4	11 1/4	11 1/4
	Double:	Studded	6 1/4	....	4 1/2	3 1/4	3 3/4	....	6	6	6	4 1/16	6	6	6
		Flanged	14 5/16	7 1/8	13 1/4	11 1/16	10 3/8	7 1/8	15 1/4	15 1/4	15 1/4	10 3/8	13 1/16	13 1/16	13 1/16
		Hubbed	....	....	9 25/32	7	....	....	....	....	....	8 1/16	11 1/4	11 1/4	11 1/4
	Triple:	Flanged	....	....	....	....	....	....	....	....	....	....	....	....	....
		Hubbed	....	....	....	....	....	....	....	....	....	....	....	....	....
M (in.)	Single:	Studded	9 1/8	3 7/8	7	5	5	3 7/8	7 1/4	7 1/8	7 1/4	4 1/8	7 1/8	7 1/8	7 1/8
		Flanged	17 7/16	8 7/8	15 1/8	12 5/16	11 1/8	8 7/8	18 1/8	18 1/8	18 1/8	10 11/16	15	15	15
		Hubbed	....	....	12 3/16	8 1/4	....	....	....	....	....	8 1/8	12 1/4	12 1/4	12 1/4
	Double:	Studded	8 1/8	....	6	5	5	....	....	....	....	4 5/16	7 1/8	7 1/8	7 1/8
		Flanged	16 7/16	....	14 1/8	12	11 1/8	....	18 1/8	18 1/8	18 1/8	11 1/8	15	15	15
		Hubbed	....	....	11 3/16	8 1/4	....	....	....	....	....	8 5/16	12 1/8	12 1/8	12 1/4
	Triple:	Flanged	....	....	....	....	....	....	....	....	....	....	....	....	....
		Hubbed	....	....	....	....	....	....	....	....	....	....	....	....	....
N (in.)			4 1/2	3	4 1/2	4 1/2	4 1/2	3	7	7	7	4 1/2	7	7	7
O (in.)*	2-inch		20 1/8	10 1/16	20 1/16	10 15/16	14 1/2	10 1/16	25 1/8	25 1/8	25 1/8	16 1/8	25 1/8	25 1/8	25 1/8
	3-inch		21 15/16	....	21 1/16	12 11/16	14 3/4	....	25 1/16	25 1/16	25 1/16	15 1/4	25 1/16	25 1/16	25 1/16
	4-inch		22 3/8	....	20 1/16	....	14 1/2	....	25 7/16	25 7/16	25 7/16	16 1/4	25 7/16	25 7/16	25 7/16
P (in.)*	2-inch		20 1/8	11 1/8	19 15/16	10 15/16	15 1/16	11 1/8	25 1/8	25 1/8	25 1/8	17 1/16	25 1/8	25 1/8	25 1/8
	3-inch		21 15/16	....	21 1/16	12 11/16	16 1/16	....	25 1/16	25 1/16	25 1/16	17 1/16	25 1/16	25 1/16	25 1/16
	4-inch		22 3/8	....	19 15/16	....	18 1/8	....	25 7/16	25 7/16	25 7/16	18	25 7/16	25 7/16	25 7/16
Weight (Total, lbs) Without Rams	Single:	Studded	6,130	830	4,150	2,870	1,385	830	7,810	10,068	7,448	2,116	7,647	9,905	7,285
		Flanged	6,665	975	4,820	3,230	1,585	975	8,912	11,170	8,550	2,580	8,347	10,605	7,985
		Hubbed	6,295	....	4,140	2,820	....	....	7,537	9,795	7,175	2,150	7,774	10,032	7,412
	Double:	Studded	11,905	....	7,725	5,750	2,504	....	15,338	19,854	14,615	4,096	15,180	19,700	14,455
		Flanged	12,435	....	8,385	6,110	2,706	....	16,440	20,955	15,715	4,560	15,880	20,400	15,155
		Hubbed	12,066	....	7,700	5,700	....	....	15,062	19,580	14,340	4,130	15,305	19,822	14,582
	One Ram Assembly with Holders		64	30	138	76	64	30	435	435	435	111	435	435	435
	Door Assembly (1 each)		1,854	200	946	785	301	200	1,756	2,885	1,575	490	1,756	2,885	1,575
Weight (Breakdown, lbs.)	Body: Single:	Studded	2,286	430	1,995	1,125	670	430	3,760	3,760	3,760	1,000	3,780	3,790	3,790
		Flanged	2,955	575	2,925	1,660	980	575	5,400	5,400	5,400	1,600	4,835	4,835	4,835
		Hubbed	2,586	....	2,245	1,250	....	....	4,025	4,025	4,025	1,170	4,262	4,262	4,262
	Body: Double:	Studded	4,350	....	3,674	2,436	1,190	....	7,776	7,776	7,776	2,000	7,810	7,810	7,810
		Flanged	5,018	....	4,600	2,970	1,502	....	9,415	9,415	9,415	2,600	8,855	8,855	8,855
		Hubbed	4,650	....	3,917	2,560	....	....	8,038	8,038	8,038	2,170	8,281	8,281	8,281
Closing Ratio			10.63	8.45	5.57	5.57	5.45	8.45	8.16	16.00	5.57	5.45	8.16	16.00	5.57
Opening Ratio			15.22	4.74	2.09	3.00	1.93	4.74	1.15	2.21	.78	1.16	1.15	2.21	.78
Volume to Close			5.18	.59	2.98	2.58	1.45	.59	7.80	14.50	5.07	1.74	7.80	14.50	5.07
Volume to Open			5.25	.52	2.62	2.27	1.18	.52	6.86	13.59	4.46	1.45	6.86	13.59	4.46
Maximum Ram Size (in.)			5 5/16	2 3/4	8 3/4	7	5 5/16	2 3/4	16	16	16	8 3/4	16	16	16
Door Screw	Across Flats (in.)		2 3/16	1 1/8	1 1/2	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8
	Torque (ft.-lb.)		3,100	500	1,500	1,500	910	500	1,200	1,200	1,200	910	1,200	1,200	1,200

DEC 31 1991