

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	✓
FILE	✓
U.S.G.S.	✓
LAND OFFICE	✓
OPERATOR	✓

O. C. D.
ARTESIA, OFFICE5A. Indicate Type of Lease
STATE ☐ FEDERAL ☒5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work DRILL <input type="checkbox"/> RE-ENTRY <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name -----
2. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Term or Lease Name LONG ARROYO
3. Name of Operator Hanagan Petroleum Corporation ✓		9. Well No. 2
4. Address of Operator P.O. Box 1737 - Roswell, NM 88202		10. Field and Pool, or Wildcat Wildcat-Devonian
5. Location of well UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE 2310 FEET FROM THE West LINE OF SEC. 33 TWP. 12S RGE. 28E NMPM		12. County Chaves
19. Proposed Depth PBTD 8364		19A. Formation Devonian
21A. Kind & Status Plug. Bond Statewide Bond		22. Approx. Date Work will start 4/3/89

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 & 28#	1900'	cmt. circ.	None
7 7/8"	5 1/2"	17#	8364	350	7000

Formerly: Estoril #1 Waller. (30-005-62523) P&A 9/29/87, TD 8501' - Plan to re-enter and drill out plugs down to the top of the bottom plug set 8465 to 8364', run approx. 2000' neutron-density log from PBTD & then run 5 1/2" csg. to plug back total depth and production test the Devonian through perforations.

POST ID-1
NL
3-31-89APPROVAL VALID FOR 180 DAYS
9/23/89
CULVERT 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 on this form is true and complete to the best of my knowledge and belief.

Signed Mike Williams Title Agent Date 3/23/89

(This space for State Use)

Original Signed By
Mike Williams

PROVED BY _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MAR 28 1989

N MEXICO OIL CONSERVATION COMMISS
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.

RE-ENTRY

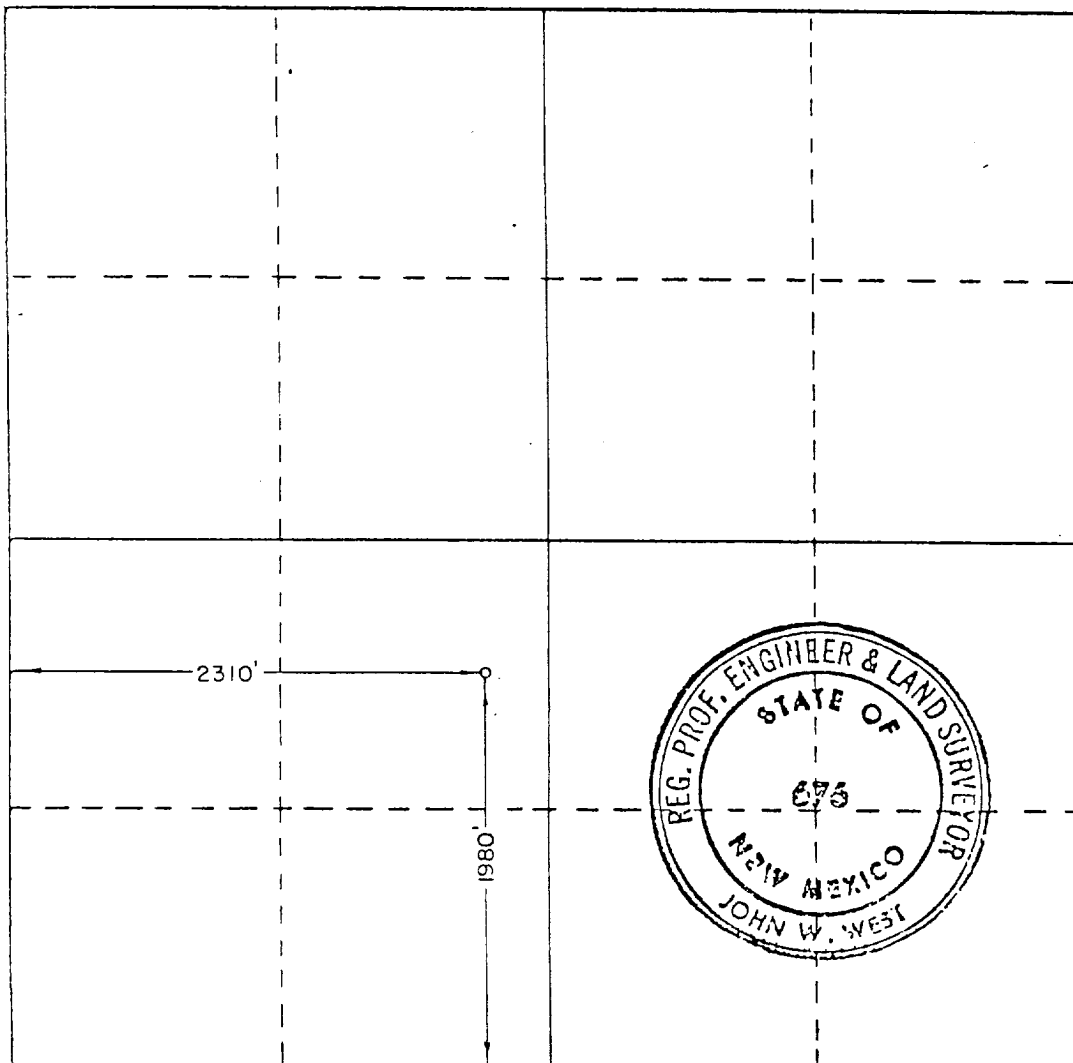
Operator Hanagan Petroleum Corporation Estoril-Producing Corp.		Lease Waller LONG ARROYO		Well No. 2 -L
Unit Letter K	Section 33	Township 12 South	Range 28 East	County Chaves County
Actual Footage Location of Well:				
1980 feet from the South line and		2310 feet from the West line		
Ground Level Elev. 3601.6	Producing Formation Devonian	Pool Wildcat <i>Permian</i>	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. (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.

Cliff Drescher
 Name _____

Cliff Drescher
 Position _____

V.P. - Engineering
 Company _____

Estoril Producing Corp.
 Date _____

July 21, 1987

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
July 15, 1987

Registered Professional Engineer
 and/or Land Surveyor

John W. West
 Certificate No. _____